

# 2015

# RBWH Research Report







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**Design and Typesetting**

Clinical Multimedia  
Level 8, Block 8  
Royal Brisbane and Women's Hospital  
Butterfield St, Herston Q 4029

**Phone:** +61 7 3646 8111

**Web:** [www.health.qld.gov.au/rbwh](http://www.health.qld.gov.au/rbwh)

**Editor**

Dr Merrilyn Banks

**Photography**

Clinical Multimedia  
RBWH Communications and Engagement  
The University of Queensland  
Queensland University of Technology  
QIMR

**Produced by**

CPX Printing and Logistics  
Unit 4, 81 Bishop Street  
Kelvin Grove Q 4059  
Ph: +61 7 3221 1221  
E: [sales@cpx.com.au](mailto:sales@cpx.com.au)

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**RBWH**  
Royal Brisbane and  
Women's Hospital



# Executive Director's Report

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**Dr Amanda Dines**  
Executive Director  
RBWH

At Royal Brisbane and Women's Hospital (RBWH) research is the basis of excellence in clinical care. We are proud of the multidisciplinary research undertaken at RBWH with medical, nursing and allied health clinicians all contributing to an expansive body of work. In 2015, research by clinicians from over 42 RBWH departments was published in 728 articles in peer review journals and 44 book chapters.

Last year alone more than \$62 million in grant funding was awarded to RBWH clinicians to support clinical research activities on this campus. In the highly competitive research grant application process, this is an excellent reflection of the capability and expertise at our hospital.

Our research outcomes and achievements have been highlighted nationally and internationally with 748 presentations made at conferences and symposia around the world. Research undertaken at the hospital was also showcased at the 24<sup>th</sup> RBWH Healthcare Symposium; this annual event was established to provide our researchers an opportunity to share their knowledge and learn from others.

RBWH is among the largest research campuses in Australia. Our shared commitment and strong partnerships with other Metro North Hospital and Health Service providers, Queensland Institute of Medical Research Berghofer (QIMR Berghofer), The University of Queensland (UQ) and Queensland University of Technology (QUT) shape the Herston campus as a centre of excellence for research. The strategic alliance of our partners in developing the Herston Imaging Research Facility (HIRF) places Queensland at the forefront of human imaging for clinical and scientific research.

This strong research culture enables continuous service improvement and the delivery of evidence-based care leading to significant improvements in the quality of our health services.

I thank all staff who contributed to our research success in 2015 and acknowledge the RBWH Director of Research, Professor Lawrie Powell AC, and his team for the leadership role they have played in this achievement.

As our best and brightest researchers continue to engage in work that will benefit patient care as well as globally improve human health, I look forward to another year of research innovation at RBWH.

# RBWH Research Director Report 2015

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**Professor Lawrie Powell**  
Director  
Research



**Associate Professor Janet Davies**  
Senior Manager Research Strategy  
and Performance  
RBWH and MNHHS

In 2015 RBWH consolidated its impressive clinical research activity and broadened its research impact across the Herston campus as well as on the national and international stage. This year we continue to highlight the excellent research achievements of our clinical researchers and importantly, to consider how these research outcomes can be implemented into practice to improve patient care at RBWH.

We are pleased to be part of an increasing commitment to and growing recognition of the importance and benefits of embedding research as a core activity and key priority for clinical service within RBWH. This commitment to clinical research is facilitated by strong support of the RBWH Private Practice Trust Fund (PPTF) and the RBWH Foundation, which together allocated \$2.1 million in 2015 for peer-reviewed research including \$1,463,000 for clinical research project grants and \$437,000 in support of clinical research higher degree student scholarships. We congratulate the success of our RBWH researchers who contributed to applications that attracted over \$44 million dollars in funding for research. This included over \$19 million in funds for 2015 from prestigious nationally competitive schemes; one Australian Research Council Discovery Project and 42 grants from the National Health and Medical Research Council comprised of Fellowships, Projects and Centres for Research Excellence.

We are proud to share that the productivity of our RBWH researchers has been outstanding in 2015 with 1045 academic journal publications, 29 book chapters and five books reported. RBWH research was communicated via 672 conference presentations serving to showcase our latest research at local, national and international forums. We applaud the excellence of our clinical researchers who co-authored a significant body of work in high impact international journals including five publications in Nature, nine in Nature associated journals, three in The New England Journal of Medicine, nine in The Lancet and 10 in the broader Lancet family of journals.

The increasing focus on health service innovation and implementing research into clinical practice, is evident by multiple contributions to Cochrane systematic reviews of clinical research evidence and preparation of clinical guidelines that extend our reach beyond the RBWH. Teams of RBWH clinicians from within Allied Health, Critical Care and Clinical Support Services, Kidney Health Service, Metro North Mental Health and Women and Newborn Services prepared 11 clinical guidelines. Nursing and Midwifery contributed to 15 current Cochrane Collaborations.

RBWH offered education and training for clinical research including the introduction of the interactive research workshop format that provided a forum for gauging and improving the culture for clinical research at RBWH in conjunction with researchers at other Metro North Facilities and our academic partners. Currently, 211 postgraduate students supervised at RBWH are undertaking masters or doctoral level studies (PhD, Clinical Doctorate) via enrolments at our university partners; UQ, QUT and Griffith University, or interstate universities such as Monash University and University of New South Wales.

The annual RBWH Healthcare Symposium remained the major showcase for the hospital's clinical, educational and research activities with more than 1000 attendees and more than 100 staff, students and adjudicators in its planning and execution with statewide, national and international speakers.

The value RBWH places on research collaboration is evident by the breath of partnerships on this campus; The University of Queensland Faculties of Medical and Biomedical Sciences and Health and Behavioural Sciences; the Health Sciences building; UQCCR; QIMR Berghofer; and QUT. These partnerships encompass the Herston Imaging Research Facility (HIRF), the Australian Centre for Health Services Innovation (AushSI) and the Centre for Palliative Care Research and Education (CPCRE). RBWH has strengthened its engagement with the Brisbane Diamantina Health Partnership (BDHP). Indeed the RBWH continues to strongly support the establishment of BDHP as an Academic Health Research Training Centre with excellence in clinical care, teaching and research. It is widely recognised that such centres attract staff with enquiring minds, tenacity and a pursuit of excellence. Such staff themselves attract students and others of like mind. The end result is a higher quality of health care at a sustainable cost.



# RBWH Human Research Ethics Committee

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**Dr Conor Brophy**  
**Chair**  
Human Research Ethics Committee  
RBWH

The RBWH Human Research Ethics Committee (HREC) has the important duty of reviewing proposed research before it begins, in order to gauge whether the work will, to coin a phrase, 'do what it says on the box', and conforms to established ethical principles for research conduct. All research has a written plan detailing aims, how those aims will be achieved, and usually a plain language statement for participants so they can understand and decide for themselves whether they wish to take part in the work. The RBWH HREC itself follows strict rules of engagement and is made up of volunteers in categories specified in the Australian research ethics guidance document: the National Statement on Ethical Conduct in Human Research. Each month a group of scientists, practising health workers, lawyers, people with a pastoral care role in the community, and men and women who can be considered to represent the broader community come together to review submitted research. Each person must be prepared to leave their other affiliations at the door and instead consider each project in relation to four ethical principles: the merit of the research; possible harms and benefits to participants; the fairness of the research and the burden on participants and others; and respect for participant's values, beliefs, privacy, autonomy, and community.

The RBWH HREC is a busy committee, and the number of research studies reviewed increased to an all-time high of 227 in 2015, an approximately 30% increase from any previous year. Despite this the HREC and its secretariat maintained prompt review and approval times of 22 days for high risk research and 13 days for low risk studies: well within the national benchmark of 60 days. The types of research seen by the HREC have also expanded in recent years. In the past, we reviewed mainly studies on new drugs and medical devices. More recently, studies on health service processes and systems, patient quality of life, and life-style choices have been increasingly submitted. This change reflects recognition that people's well-being and care is dependent on a range of contributors which interact; that good health prior to disease has bearing on response to treatment; and also how critical the management of our health services is to health outcomes and efficient use of resources. I commend both the work of the HREC and also the research highlighted in this report as having increasing relevance to good health and the delivery of excellent health care to all.

# RBWH and RBWH Foundation Research Advisory Committee

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**Professor Gerard Byrne**  
Chair  
Research Advisory Committee

The Research Advisory Committee (RAC) is responsible for adjudicating applications for research Scholarship and Grant funding by the RBWH and by the RBWH Foundation. The RAC has a diverse membership of senior researchers and clinicians representing the medical, nursing and allied health streams. RAC members provide their services on an honorary basis.

In 2015 the RBWH Private Practice Trust Fund provided \$1,500,000 for competitive Scholarships and research Grants and the RBWH Foundation provided \$329,000 for competitive research Grants for the calendar year 2016. The RAC gives priority to Scholarships over Grants, and those postgraduate research students who obtain competitive external support (e.g. from NHMRC or ARC) are eligible for top-up funds.

The RAC received 19 applications for postgraduate Scholarships, of which 15 were successful (79% success rate). Scholarships were awarded to both MPhil and PhD students. Four of the 15 scholars were enrolled part-time. Students were enrolled at the UQ, QUT and Griffith University. Their clinical disciplines included nursing, allied health and medicine. The total value of Scholarships was \$402,766.

In addition, the RAC received 124 applications for research Grants, of which 36 were successful (29% success rate). Nine research Grants were supported by funds from the RBWH Foundation and 27 research Grants were supported by funds from the RBWH Private Practice Trust Fund. The total value of research Grants was \$1,363,817. The disciplines represented among successful grantees included medicine, surgery, psychiatry, imaging, nursing, allied health and technical support.

I thank the RBWH Private Practice Trust Fund and the RBWH Foundation for their continuing support of research on campus.

I thank Prof Lawrie Powell AC for his tireless work as Director of Research and for his essential contributions to the RAC over many years. In addition, I thank retiring RAC members Dr Peter Roeser and Prof Ronald Dickinson. Finally, I would like to thank Anitha Dinesh, Maxine Goulston and Jacqueline Robinson for the excellent support they have provided to the RAC.



## 2015 RAC Membership:

**Dr Roger Allison** MBBS, D Obst, MRCP, FRCR, FRACR, FACHPM  
*Director of Oncology*  
Cancer Care Services, RBWH

**Ms Kaelah Bosanquet** BBus, Grad Cert (Bus Admin)  
*CFO*  
RBWH Foundation

**Professor Gerard Byrne** MBBS, BSc (Med), PhD, FRANZCP  
*Head, Academic Discipline of Psychiatry*  
UQ and Director of Geriatric Psychiatry  
RBWH

**Adjunct Associate Professor Ian Coombes**  
BPharm, MSc, PhD  
*Director of Pharmacy*  
RBWH

**Associate Professor Janet Davies** BSc, PhD  
QUT Institute of Health and Biomedical Innovation

**Professor Ronald Dickinson** BSc, PhD  
*Professorial Research Fellow and Director*  
Centre for Studies in Drug Disposition, UQ

**Adjunct Associate Professor Robyn Fox**  
RN, RM, BEd, MNL, PhD, FACN  
*Nursing and Midwifery Director of Education*  
RBWH

**Professor Murray Mitchell DPhil** DSc, FRSNZ  
*Director*  
UQ Centre for Clinical Research

**Professor Lawrie Powell** AC, MD, PhD, DUniv (Griff), FRACP,  
FRCP (London), FRCPT  
*Director of Research*  
RBWH

**Professor Grant Ramm** BSc, PhD  
*Group Leader*  
Hepatic Fibrosis Laboratory, QIMR Berghofer

**Professor Claire Rickard**  
RN, BN, GradDip (CritCare), PhD, FAAHMS, FACN  
*NHMRC Centre of Research Excellence in Nursing Interventions*  
Griffith Health Institute Centre for Health Practice  
Innovation

**Dr Peter Roeser** MD, FRACP, FRCP  
Retired Physician, RBWH

**Professor Jenny Strong** PhD, MOccThy, BOccThy  
Former Head of the Department of Occupational Therapy  
UQ and Professor Emeritus UQ

**Professor Robert Tindle** BSc, PhD  
*Retired Director*  
Sir Albert Sakzewski Virus Research Centre  
RCH and Clinical Medical Virology and Professor Emeritus  
UQ

**Mr Peter Treseder** AM, KSJ, CCEO, FAICD, FAIM, FIIDM, CFRE, MBA  
*CEO*  
RBWH Foundation

**Dr Jacobus Ungerer** MBChB, MMed (Chem. Path.), MBL, FRCPA  
*Director*  
Chemical Pathology, Pathology Queensland

**Professor Joan Webster** RN, RM, BA, PhD  
*Director of Nursing Research*  
RBWH

**Dr Ian Wilkey** MBBS, BSc, LLB, FRCPA, FAFPHM  
*Former Medical Superintendent*  
RBWH

**Ms Julie Wright**  
*Finance Manager*  
RBWH Foundation

# Brisbane Diamantina Health Partners

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**Ms Areti Gavrilidis**  
General Manager  
Brisbane Diamantina Health Partners

Brisbane Diamantina Health Partners is unique in Queensland. It is an academic health science system, which is a partnership between universities, research institutions and healthcare providers that focuses on research, clinical care, and education.

We have eight partners, all of them leading hospital and health services, universities and research institutes based in south-east Queensland. Our aim is to integrate innovative research, training and clinical practice to deliver the highest quality healthcare to our community.

The Brisbane Diamantina Health Partner members are Metro North Hospital and Health Service, Metro South Hospital and Health Service, Children's Health Queensland Hospital and Health Service, Mater Health Services, UQ, QUT, Translational Research Institute, and QIMR Berghofer.

As part of Metro North Hospital and Health Service, the RBWH plays an important role in Brisbane Diamantina Health Partners. The hospital is providing quality research that is contributing to the strategic objectives of the partnership.

Brisbane Diamantina Health Partners has seven key focus areas where the translation of innovative research into clinical practice is leading to better healthcare for Queenslanders. These areas are:

- Brain and mental health
- Immunity, inflammation, infection
- Trauma, critical care and recovery
- Chronic disease and ageing
- Maternal and child health
- Cancer
- Evidence and innovation in clinical care.

BDHP General Manager Areti Gavrilidis said RBWH, together with the BDHP member organisations, were searching for solutions to health issues affecting up to 3 million Queenslanders.

"Our focus is on bringing innovative research from the laboratory to patients as efficiently and effectively as possible," she said.

Researchers and clinicians from RBWH were among those awarded grants under BDHP's inaugural Strategic Initiative Grant Scheme to facilitate collaboration on projects that will lead to better health outcomes.



# Griffith University

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**Professor Sheena Reilly**  
**Director**  
Menzies Health Institute Queensland  
Griffith University

Over the past year Griffith University has continued to work closely with the RBWH through clinical trial collaborations, research partnerships and staff placements.

Griffith's Menzies Health Institute Queensland (HIQ) currently has two joint appointments with many more MenziesHIQ researchers and PhD candidates working in collaboration with medical professionals and clinicians at RBWH. A number of Griffith University MenziesHIQ researchers hold Visiting Fellow appointments with RBWH fostering close ties and partnerships with clinical staff at the hospital.

The continued collaboration between MenziesHIQ and RBWH provides an ideal environment for research contributing to genuine positive impacts on health outcomes. This is clearly demonstrated in the work being undertaken by Professor Claire Rickard and colleagues in the Alliance for Vascular Access Teaching And Research (AVATAR) group. The work of this group aims to eliminate ineffective vascular access practices and replace them with innovative solutions, providing patients with a better healthcare experience, and saving global healthcare providers substantial funds.

The AVATAR group is a multidisciplinary group containing pathologists, nurses, health economists, microbiologists, haematologists, anaesthetists, and infectious disease physicians. The team includes a joint appointment between RBWH and MenziesHIQ for Nicole Marsh, a nurse researcher with 25 years' experience and specialist qualifications in Neurosurgical Nursing.

Since 2007, Nicole has been a Project Manager on a number of single and multi-centre clinical trials. In this role, Nicole has helped to formulate collaborative research partnerships in hospitals across three Australian States. Nicole is currently enrolled in her PhD at Griffith University with a research focus on preventing peripheral intravenous catheter complications.

Other collaborations between RBWH and MenziesHIQ include the joint appointment of Professor Jenny Paratz as a Principal Research Fellow. Professor Paratz is an internationally renowned researcher in intensive care and burns research. The recipient of an RBWH scholarship, Kate Murphy, working under the supervision of Prof Amanda Wheeler, is undertaking a PhD entitled *"Clozapine and concomitant medications: Assessing the completeness and accuracy of medication records for people prescribed clozapine under shared care arrangements"*.

The MenziesHIQ at Griffith University is committed to working in partnership with the RBWH to develop healthy communities through exceptional health and medical research to contribute to improved health outcomes for patients.

# Pathology Queensland

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**Dr Jacobus Ungerer**  
Director  
Chemical Pathology  
Pathology Queensland

The Pathology Queensland Chemical Pathology Research and Development Unit is involved with both laboratory and clinical research through its Chemical Pathology Central Laboratory and the Conjoint Internal Medicine Laboratory (CIML) located at QIMR Berghofer. The Unit aims to establish collaborative scientific and research activities that will benefit patient healthcare and advance laboratory medicine.

The Chemical Pathology Laboratory located on site at RBWH has many years of experience in testing, data acquisition and specimen banking facilities as well as the development of new methodology including mass spectrometry assays for a range of biomarkers. At the same time innovative, contemporary translational and investigative research is undertaken in the Chemical Pathology's CIML facility by researchers currently in the fields of kidney, gastrointestinal and endocrine disease.

Through a collaborative process we continue to develop new laboratory and clinical collaborations with different groups including:

- Clinical staff at RBWH, The Prince Charles Hospital (TPCH) and PAH
- Researchers in Australia and overseas
- Industry (diagnostic manufacturers)

In 2015 Chemical Pathology collaborated closely with the RBWH Intensive Care Services (Dr Jeff Lipman), Emergency Medicine (Dr Louise Cullen) and Cardiology (Dr William Parsonage) on several clinical projects.

Clinicians directly involved with the CIML are Dr Michael D'Emden (Endocrinology), Dr Barbara Leggett (Gastroenterology), and Dr Helen Healy (Renal Medicine). These research units were awarded research grants in 2015 to continue with their investigative work within Chemical Pathology. Current areas of research include:

- Uptake of serum hormone binding proteins and effects on intracellular hormone metabolism and action
- Novel strategies for precision medicine in colorectal cancer
- Identifying molecular drivers of colorectal tumorigenesis
- Risk factors for serrated neoplasia
- Urinary exosomes as biomarkers of proximal tubular dysfunction.

Chemical Pathology, through its Central and CIML laboratories, continued to publish both laboratory- and clinically-focused papers in high-profile, peer-reviewed journals.



# QIMR Berghofer Medical Research Institute



**Professor Frank Gannon**  
Director and Chief Executive Officer  
QIMR Berghofer  
Medical Research Institute

These are exciting times for the Herston Precinct. With the RBWH at its core, the neighborhood also includes multiple activities from UQ and QUT, QIMR Berghofer and HIRF, in which all four partners are working in an alliance.

Plans for the development of Herston have evolved rapidly in the past year and we are very pleased to be a core component of them. When realized, we are sure that Herston will be an extremely strong health precinct. The question marks over the future of the former Children's Hospital and related areas (known as the Herston Quarter) will be clarified in the next months, and then a fully integrated plan can be put in place.

Our engagement with the RBWH is stronger and more significant every year. The leaders of three of our four research programs are active clinicians, and other key researchers here also engage in the delivery of services at RBWH. This, in turn, informs our research activities such that our work is directly relevant towards addressing the clinical needs of the community. QGen Cell Therapeutics, the GMP cell manufacture facility at QIMR Berghofer continues to generate increasing numbers of cellular products for clinical use. This now includes gene modified T cells that are being utilized in the bone marrow transplant program at RBWH.

It has been an important year for the Herston community to have the HIRF fully functioning and generating exciting data. This will facilitate new research and clinical approaches with those on the Herston precinct being best placed to benefit from them. While focusing on the Herston precinct, we are very aware of our engagement and commitment to the Brisbane-wide community through the Brisbane Diamantina Health Partners (BDHP). The activities of the BDHP are increasing rapidly and with greater inter-institutional cooperation becoming apparent. When one combines the new strength and dynamism of the RBWH and Metro North with the greater commitment to collaboration, it should ensure that health outcomes improve constantly. This is the aim of QIMR Berghofer, and we will continue with our engagement and commitment to our neighbors, in particular, to delivering this goal.

# Queensland University of Technology

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**Professor Ross Young**  
Executive Dean  
Faculty of Health  
QUT

QUT has continued to build on a long standing partnership with the RBWH in 2015. QUT's involvement is largely through our Faculty of Health, the Science and Engineering Faculty and the Institute of Health and Biomedical Innovation (IHBI) and is based on active collaboration.

The new HIRF opened at the end of 2015. HIRF is a joint venture between UQ, Metro North Hospital and Health Service through the RBWH, QUT and QIMR Berghofer. QUT is progressing new appointments, including joint appointments, to build our strength in imaging, and researchers are using the technology to facilitate our understanding in the diagnosis and treatment of cancers, psychological disorders, cardiovascular disease, neurological disease and injury.

Two NHMRC Centres of Research Excellence bring together QUT and RBWH researchers. The QUT based CRE in End-of-Life Care is helping Australians engage in vitally important discussions about our clinical, humanitarian and workforce issues in this vital but often neglected area. The project is being delivered across three key programs and outputs included publications in highly ranked journals including, *"Journal of Medical Ethics"* and *"Palliative Medicine"*. Commencing in 2015, the Chronic Kidney Disease CRE involves investigators and collaborators from across Australia and is led by UQ with QUT, Queensland Health, RBWH and James Cook University the other key state partners. The project team was also successful in securing grant funding through the Australian Centre for Health Services Innovation (AusHSI). Early research outcomes have featured in the *"Renal Society of Australasia Journal"*.

AusHSI is a collaboration between QUT, UQ and MNHHS and the Department of Health. The Centre continued to be at the forefront of health services research, training and advisory services. In 2015, the centre awarded Implementation grants to Queensland-based health services groups to support clinician-led research teams evaluating quality of care, and provided training courses to researchers, students, clinicians and health managers on cost-effectiveness analysis, statistical analysis and research translation and implementation. A tailored Clinical Redesign Workshop was delivered for the Clinical Operations Strategic Implementation (COSI) unit. AusHSI senior academics also provided methodological guidance and protocol development for a number of significant clinical innovations at the RBWH, including the 24/7 project, and the REACH project (Reviewing Equitable Access to Care outside of Hours).

Several longstanding partnerships and collaborations in nursing research and training continued in 2015. The QUT/RBWH Cancer Nursing Professorial Precinct team secured an RBWH Foundation Grant to develop and evaluate a telehealth nurse-led intervention to improve the outcomes of patients who completed treatment for lymphoma. Researchers from QUT and RBWH collaborated on new grants in the areas of cancer, chronic kidney disease, infection control, child health and aged care. Publications continue to demonstrate productive links between academic staff, clinicians and students in the emergency medicine, health services, palliative care, nursing practice, renal health, nutrition and exercise and cancer. Outputs in international journals, such as *'Emergency Medicine Journal'* and *'European Journal of Oncology Nursing'* show the worldwide significance of our joint research.

We have also begun exploring the opportunities offered by other areas of strength at QUT, including regenerative medicine which focuses on the development of artificial tissues, body structures or organs. QUT looks forward to continuing its strong relationship with the RBWH and furthering accomplishments in health-related research, education and training.



# RBWH Foundation

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**Mr Peter Treseder**  
Chief Executive Officer  
RBWH Foundation

As the charity arm of RBWH, we are in the privileged position of not only working directly with many researchers across the campus to help them achieve their goals, but we have the responsibility of engaging with the corporate and general community in order to raise both awareness for the outstanding work undertaken at RBWH as well as the funds needed to make the research possible.

In the 2015/16 financial year, the support we received through donations, sponsorships, bequests and participation at our various events, enabled RBWH Foundation to distribute \$4.5 million to a range of different research and patient care initiatives at the hospital.

Through our annual Research Grant program, we provide 'seed funding' to a number of researchers as recommended by the Research Advisory Committee. Our mission is to provide the funds needed for fledgling projects so preliminary data can be gathered that will substantiate the value of the project when applying for more significant grants from larger funding bodies, most notably the NHMRC.

We are very proud that two projects which received such 'seed funding' from RBWH Foundation were successful in obtaining significant grants from NHMRC in November 2015.

Professor Jason Roberts received over \$2 million for his study into antibiotic resistance. Professor Roberts' first grant, funded by RBWH Foundation, allowed him to buy catheters in order to determine the most effective way to administer antibiotics to seriously-ill patients in RBWH's Intensive Care Unit. From this small beginning, Professor Roberts is now leading a multi-million dollar program of research at the hospital-based Burns, Trauma and Critical Care Centre.

Grants from RBWH Foundation in 2014 and 2015 also enabled RBWH Nephrologist Dr Andrew Mallett to obtain preliminary data and recruit families for an investigation into inherited kidney disease. Dr Mallett is now one of the Chief Investigators on a multi-centre research team that received over \$1.2 million from NHMRC.

RBWH Foundation is also an official administering institute of NHMRC, the only official administering body for the hospital. This means the Foundation can manage any grants received from NHMRC on the researcher's behalf, for a zero to minimal administrative fee. As part of this service, you would receive full financial support, monthly reporting on request and full visibility of your account.

A similar service is also provided for a number of 'tied' funds managed by the Foundation on behalf of researchers. These tied funds are typically comprised of donations instigated by the particular department that established the fund as well as proceeds from fundraising events, bequests or other activities. These 'tied' funds are simply administered by the Foundation with the department having access to the money when required.

RBWH Foundation's support for researchers at the hospital is therefore not just monetary. We also strive to assist in the journey of discovery by enabling them to focus on what they do best without having to worry about the financial reporting and other administrative details.

Our Foundation may be small when compared to other national charities; however, our cause is great. We are committed to continuing to build awareness for the incredible work done by researchers and clinical staff at RBWH and, of course, continuing to grow our support.

# The University of Queensland



**Professor Melissa Brown**  
Deputy Executive Dean and  
Associate Dean (Research)  
Faculty of Medicine and Biomedical Sciences  
UQ

The UQ Health Faculties, Medicine and Biomedical Sciences (M+BS) and Health and Behavioural Sciences (HaBS), highly value hospital-university partnerships and have a strong engagement with RBWH on the Herston campus, involving collaboration across research, teaching and clinical service delivery.

The Schools of Medicine, Dentistry, and Public Health, and UQCCR have a presence on the Herston campus, including a number of UQ-RBWH collaborative research centres: the Burns, Trauma and Critical Care Research Centre (BTCCRC), directed by Professor Jeffrey Lipman; the Perinatal Research Centre led by Professor Paul Colditz; and the Centre for Youth Substance Abuse Research (CYSAR), funded by philanthropy from the Graeme Wood Foundation and directed by Professor Wayne Hall.

Exciting changes for UQ on the Herston Campus over the past year include the co-location of the Brisbane Dental Hospital with the UQ School of Dentistry in the purpose-built UQ Oral Health Centre, and the identification of UQ as an academic partner with Metro North in the development of a Specialised Rehabilitation and Ambulatory Care Centre. We were delighted to welcome a new Director, Professor Mick Sullivan, to the Recovery Injury Research Centre (previously the Centre of National Research on Disability and Rehabilitation Medicine (CONROD)), who brings exciting innovations in physical and psychological rehabilitation from his previous positions in Canada. We also welcomed Professor Hayden Homer to UQCCR, as the inaugural Christopher Chen Chair of Reproductive Medicine, from the generous support (\$10.5M) of a distinguished UQ alumnus and renowned clinician-researcher, Professor Christopher Chen. We were also pleased to celebrate the success of the UQ-RBWH collaborative research program 'Redefining Antimicrobial Use to Reduce Resistance (REDUCE)', led by Professor Jason Roberts (M+BS-HaBS joint appointee), which was awarded a \$2.5M NHMRC Centre for Research Excellence.

UQ is excited to be one of the partners of HIRF, which was opened by the Premier Anastacia Palacszuk, joined by three State Ministers, in December 2015. We are also pleased to continue working collaboratively with RBWH in the city-wide Brisbane Diamantina Health Partners.

The University looks forward to continuing to strengthen its relationship with RBWH, with the aspiration of working collaboratively with the hospital to achieve improved healthcare delivery for the benefit of Queensland patients.



**Professor Christina Lee**  
Associate Dean (Research)  
Faculty of Health and Behavioural Sciences  
UQ



# The University of Queensland Centre for Clinical Research



**Professor Gregory Rice**  
Acting Director  
UQCCR

In 2015, Professor David Paterson was appointed Acting Director of UQCCR and continued the great work of his predecessor Professor Murray Mitchell. The ongoing research collaboration with RBWH remains one of the most significant drivers of UQCCR clinical research translation activities. Further enabled by the opening of the Herston Imaging Research Facility and the restructuring of the School of Medicine, it is anticipated that the UQCCR-RBWH clinical research enterprise will continue to increase rapidly in future years.

UQCCR was established on the RBWH campus to achieve improvements in patient care and healthcare delivery, derived through the clinical application of biomedical innovations. It is a purpose-built translational research facility that achieves its objectives through healthcare practitioners, research scientists and students working collaboratively to deliver changes in healthcare practice and policy and new clinical applications that target patient and community needs. A feature that uniquely positions UQCCR as a translational hub is that it already bridges a gap between university and end-users (both healthcare providers and industry) in that research and development activities comply with international industry standards and are accredited by NATA (as exemplified by the UQCCR Centres: Centre for Integrated Preclinical Drug Development, and Centre for Clinical Diagnostics).

Consistent with this mission, UQCCR's four thematic clinical research programs are co-led by RBWH-based clinicians and UQ scientists. This structure has not only effectively informed the Centre's research priorities but has also resulted in significant achievements and advancement in healthcare. Since commencing operations, 124 members of UQCCR have published > 2300 peer-reviewed research manuscripts that have received > 49,800 citations. In our publications, RBWH remains the Centre's most frequent national collaborating organisation.

In 2015 and through the efforts of our research teams, the Centre attracted support from new and existing collaboration partners in Australia and around the world. This includes funding of more than \$15.6 million from the National Health and Medical Research Council and other funding bodies. This includes more than \$300,000 from the RBWH Foundation has enabled important collaborative research projects to advance. In 2015, 25 of our Research Higher Degree students completed their degrees, within a cohort of 115 students working in the Centre.

The Centre's researchers continue to strive for research excellence and translation and have received the highest levels of peer recognition for their efforts, including: Professor Sunil Lakhani being awarded a Distinguished Pathologist Award at the Asia Pacific International Academy of Pathology Congress; Professor Pam McCombe receiving an ANZAN medal from the Australian and New Zealand Association of Neurologists; Professor Murray Mitchell receiving a Fellow of the Royal College of Obstetricians and Gynaecologists ad eundem; Dr Peter Simpson being awarded a Fellow of the Faculty of Science by the Royal College of Pathologists of Australasia; Professor David Paterson being honoured on the 2015 Thomson Reuters Highly Cited Researcher list and Dr Minyon Avent being credentialed as an Advanced Practice Pharmacist by the Australian Pharmacy Council (APC).

As the current Acting Director of UQCCR, I thank and acknowledge Professor Paterson for his leadership of the Centre in 2015 and am pleased that David continues his research activities within the Centre. I thank and acknowledge the work of our clinicians, healthcare practitioners, scientists and students in striving for excellence in research and their commitment to improving community health and well-being. The Centre looks forward to further expanding the collaborative clinical research engagement with RBWH, the continued development of evidence-based practice and the training of a new generation clinical researchers.

## PhD experiences at RBWH

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Dr Matthew Hyett

I was fortunate to conduct a large proportion of my PhD research in the Systems Neuroscience Group at QIMR Berghofer under Professor Michael Breakspear. Professor Breakspear currently holds the position of Chair of Research (Mental Health) at RBWH/QIMR Berghofer. The group's affiliation with RBWH hence provides a unique opportunity for enhancing translation of research to the clinical environment. Prior to arriving in Brisbane, Professor Breakspear and I worked at the Black Dog Institute, a research centre affiliated with the School of Psychiatry at the University of New South Wales. Whilst there I coordinated a large study – on which Professor Breakspear was an investigator – examining neurobiological changes across different depressive disorders (i.e., melancholic and non-melancholic depression – the former long-thought to be more ‘biological’ in origin). Data collection for this study ended in 2012, by which time Professor Breakspear had taken up the position of Group Leader at QIMR Berghofer. I made the decision to move to QIMR Berghofer in April 2012, and was immediately enamoured with “computational psychiatry” (i.e., seeking to understand mental disorders by applying computational models over multiple levels of analysis, such as cognitive/neurobiological function). My colleagues included physicists, mathematicians, engineers, computer scientists, psychiatrists, and psychologists – all of whom were aiming to address questions about the nature of the brain in health and illness. The group, and indeed the wider research and clinical community at RBWH, were unbelievably supportive, and their combined knowledge was unparalleled.

My PhD investigated cognitive mechanisms and brain connectivity disturbances underlying deficits in attention in depression. Previous research had shown that a particular type of attention was disrupted in melancholia (namely, the ability to effectively redirect attention), but research to date had not clarified its cognitive and neural mechanisms. I hypothesised that this may be a function of persistent focus on dysphoric internal states, and hence undertook three analyses to test this theory. The first was a cognitive study that showed those with melancholia had difficulty in distinguishing between different emotional stimuli; the second revealed that brain networks underlying interoception (the awareness of internal states) and attention were ‘disconnected’ at rest in melancholia; and finally, the third indicated that a sub-network of such brain regions increased in connectivity strength in melancholia when shifting from resting state to viewing emotional movies, potentially indicating deficits in neuronal adaptation during attentional shifts to emotional information in this disorder. The findings of my PhD ultimately assisted in helping clarify the pathophysiology of subtypes of depression, which has been a goal in psychiatry for several decades. The second study was published in the leading journal *JAMA Psychiatry*.<sup>1</sup> Other studies from the group have since showed a range of other brain regions may also underpin melancholia. Together, these findings may help emerging efforts that aim to diagnose mental disorders with pathophysiological signs. I returned to Sydney in 2015, and then relocated to Perth in February 2016 where I am currently a Research Fellow in the School of Psychology at Curtin University.

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<sup>1</sup>Hyett MP, Breakspear MJ, Friston KJ, Guo CC, Parker GB. Disrupted effective connectivity of cortical systems supporting attention and interoception in melancholia. *JAMA Psychiatry* 2015; 72: 350–58





**Dr Nicole Andrews**

My PhD project focused on understanding the relationship between activity, daily function and pain in individuals suffering from chronic pain and improving interventions aimed at modulating an individual's activity level. My research has provided the first body of evidence that supports overactivity (i.e. activity engagement that severely exacerbates pain) as a legitimate construct in chronic pain and value of activity pacing as an intervention. When I look back at my PhD experience there was a mix of highs and lows but I have no regrets. I am still amazed every time I discover how someone on the other side of the world has changed or improved their clinical practice based on my PhD findings. Being able to facilitate change at a global level is a pretty incredible feeling. I am very excited to be working on developing a mobile health platform with CSIRO in 2017 that is being supported through the Metro North Hospital and Health Service LINK funding scheme. The mobile health platform will allow remote monitoring and integration of objective activity data (from a fitbit like device), pain ratings and self-reported activity engagement. This will then enable clinicians to provide feedback to individuals with chronic pain concerning what activities have contributed to a severe pain aggravation and how they could pace their daily activities more effectively. It is expected that this technology will assist individuals to engage in more valued activities, increase their productivity levels and improve their quality of life. I would like to thank everyone who has assisted me on my PhD journey, especially the individuals with chronic pain who gave up their time to help others even though they themselves are suffering. Every contribution towards research, no matter how small, can make a difference.





# Allied Health Professionals



**Peter Buttrum**  
Executive Director  
Allied Health Professions

The Allied Health Professions (AHP) service line comprises the professions of Audiology, Nutrition and Dietetics, Occupational Therapy, Orthotics and Prosthetics, Physiotherapy, Psychology, Rehabilitation Engineering, Social Work and Speech Pathology. The professions support RBWH clinical services lines within multiprofessional teams and aim to provide high quality and evidence based services across the continuum of care.

Aligned to the RBWH vision of being a world class academic health centre, Allied Health is committed to strengthening and facilitating the integration of research with clinical care. This research investment, along with ongoing education, underpins the evidence base, effectiveness, and efficiency of our service delivery, and the outcomes are aimed at transforming clinical service delivery within rapidly changing healthcare environments. Indeed, key achievements of 2015 include the integration of a research program into the evaluation of new innovative models of care within Allied Health (e.g., first contact Allied Health clinics).

A new model for developing AHP research was piloted in 2015 with appointment of a half time Director, Research AHP and a half time Research Co-ordinator. This model has enabled increased research capacity building and research support with a number of exciting new developments. Firstly, the development of training and mentoring programs as well as wider support for facilitating the application of research into practice. Furthermore, 2015 saw further growth within the Metro North Collaborative for Allied Health Research Learning and Innovation (CAHRLI) with the launch of the inaugural CAHRLI forum and the pre-PhD funding program

which facilitates Allied Health Professionals to progress to enrolment in a research higher degree.

Throughout 2015, Allied Health clinicians have continued to build on previous success in research outcomes. AHP staff were successful in authoring 60 publications in high quality peer reviewed journals, and attracting over a million dollars in external grant funding. Additionally staff presented over 77 invited presentations or posters at national and international conferences. There were also 11 Allied Health Professionals (AHPs) undertaking higher research degrees at RBWH while an additional 24 RHD students were supervised by RBWH AHPs.

Outstanding Allied Health research achievements for 2015 included Teresa Brown (Advanced Dietitian) being announced as the winner of the Sir Robert Menzies Memorial Research Scholarship in the Allied Health Sciences. Teresa's PhD research is the first study of its kind in Australia that examines the benefit of providing early nutrition support to patients with Head and Neck Cancer. Other outstanding achievements included Associate Professor Jennifer Paratz (Principal Research Fellow, Physiotherapy) being awarded the RBWH Distinguished Research Medal in 2016 for her long standing contribution to multidisciplinary research at RBWH. In addition, Dr Nicole Andrews (Occupational Therapy) was awarded her PhD and Clare Burns (Speech Pathology) was recognised at the Metro North Staff Excellence Awards for her pioneering research in telehealth models of care in Head and Neck Cancer.

We are extremely proud of our ongoing commitment to high quality research. We also appreciate and thank the contribution of our several University partners, without whom this level of research success would not be possible, and look forward to their ongoing collaboration. Finally, and most importantly, sincere thanks and congratulations are extended to all the Allied Health staff for their dedicated efforts and achievements in 2015.



**Teresa Brown**



**Dr Nicole Andrews**



**Assoc Prof Jenny Paratz**



**Clare Burns**



## Centre for Allied Health Research

The Centre for Allied Health Research (CAHR) is a network of Allied Health clinician researchers with a vision to build research capacity and to facilitate research advances which translate into real benefits for patients. CAHR currently comprises Allied Health researchers who are funded from RBWH as well as a research position which is funded by Metro North Hospital and Health Service. In 2015, there was a pilot of a new model of a half time Research Director Allied Health and half time Research Co-ordinator to facilitate research capacity building. Results of this pilot included the development of new training and mentoring programs culminating in significant growth in research activity and engagement of Allied Health Clinicians in the vision of research as core business for Allied Health.

Key activities of researchers within CAHR in 2015 included the evaluation of new innovative models of care (i.e., Allied Health first contact clinics) and supporting novice clinician researchers progress their innovative ideas into research programs. We are particularly proud of the significant number of Allied Health clinicians who disseminated their research outcomes in peer reviewed journals and conference abstracts for the first time in 2015. The research agenda of CAHR is wide ranging and encompasses collaborations with diverse group of university partners and other health services. One exemplar of the collaborative multidisciplinary research involving CAHR is the Quantitative Electroencephalography in Stroke (QuEST) research team. The QuEST study is a multi-disciplinary collaboration including Allied Health (i.e. Dr Simon Finnigan, Tennille Rowland), Neurology (i.e., Dr Andrew Wong), and the UQ Centre for Clinical Research (UQCCR). The broad aims of this team and study are to improve early prognostication of functional outcomes from stroke, using a combination of routine clinical assessments and innovative methods for assessing brain dysfunction. In 2015, research outcomes from this multidisciplinary collaborative included publications and presentations (e.g., Annual Scientific Meeting of the Stroke Society of Australasia, Australasian Nursing and Allied Health Stroke Conference).

### Supervised Post-Graduate Research Students

Name	Current Studies University (duration)	Research Project Title	Supervisors (RBWH staff in bold)
Lachlan Standfield	PhD, Griffith University (2012–2016)	Discrete event simulation modelling in capacity constrained health services	Paul Scuffham, <b>Tracy Comans</b>
Erin Pitt	PhD, Griffith University (2012–2017)	Dietary patterns of children in Australia	<b>Tracy Comans</b> , Cate Cameron, Danielle Gallageos; Lukar Thornton
Darryn Marks	PhD, Griffith University (2014–2018)	A randomised controlled trial of an advanced physiotherapist injecting trial for shoulder pain	Paul Scuffham, <b>Tracy Comans</b> ; Leanne Bissett
Michelle Periera	PhD, UQ (2013–2017)	Economic evaluation of a neck pain intervention in office workers	Venerina Johnson; <b>Tracy Comans</b>
Ian Parker	PhD, ACU (2014–2020)	Evaluation of an allied health led dizziness clinic	Nancy Low Choy; <b>Tracy Comans</b> ; Ann Rahmann
Li Li	PhD, Griffith University (2016–2019)	Quality of life for people with dementia	<b>Tracy Comans</b> , Kim Huong Nguyen
Miia Rahja	PhD, Flinders University (2016–2019)	Interventions to support carers of people with dementia – the COPE study	Kate Laver; Lindy Clemson; Maria Crotty; <b>Tracy Comans</b>
Kathleen Hall	MPhil, ACU (2016–2018)	Model of care for people with Cystic Fibrosis	Suzanne Kuys, <b>Tracy Comans</b>
Emma Schleiger	PhD (UQ) (2013–2016)	Investigating the ability of post-stroke EEG measures of brain dysfunction to inform early prediction of cognitive impairment or depression outcomes	<b>Simon Finnigan</b> , <b>Andrew Wong</b> , Stephen Read

### Research Fellows

Name	Type of Fellowship	Research Program	University (years)
Tracy Comans	Conjoint Fellow	Health Economics and Health services research	Griffith University (2015–2017)

## Centre for Allied Health Research *(cont)*

### Current RBWH Led Research Activity

RBWH Lead Researchers	Collaborative Researchers <i>(RBWH staff in bold)</i>	Research Project Title
Tracy Comans	Veronika Schoeb; Petrea Cornwell; Louise Gustafsson	Discharge planning in Australia and Hong Kong
Michelle Stute	<b>Merrilyn Banks, Peter Buttrum, Simon Finnigan, Marita Plunkett, Tracy Comans</b>	Evaluation of first contact allied health clinics

### Other Current Collaborative Research Activity

Collaborative Lead Researchers	RBWH Researchers	Research Project Title
Greta Hollis, Jack Bell	Tracy Comans	Effect of very low calorie diet prior to elective general surgery for obese patients
Ansuyah Padayachee	Tracy Comans	Kilcoy Connect – using capacity in a regional hospital for geriatric rehabilitation
Kathleen Hall, Scott Bell, Suzanne Kuys, Nicole Bellet, Mark Roll, Robyn Cobb, Trent Donneley	Tracy Comans	Evaluation of the utilization of an allied health assistant within an adult Cystic Fibrosis Centre.
James Walsh	Jenny Paratz, Tracy Comans	Pulmonary rehabilitation

### Research Awards and Achievements

Recipient	Award	Event
Marita Plunkett, Peter Buttrum, Merrilyn Banks	Professor William Egerton Award for Medical Research	RBWH Healthcare Symposium October 2015





# Department of Nutrition and Dietetics

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## Research vision

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Our research vision is to be leaders in dietetic research, with the overall aim of providing excellent and evidence-based nutrition and dietetic services for inpatients and outpatients of the RBWH. This is achieved through developing capacity within the department to support all dietitians to engage in research at all levels of the process (i.e. research consumers, participants and generators) and building strong relationships and research networks with researchers across RBWH, MN and universities.

## Benefits for patients

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Our research agenda is based on improving the nutrition and health of our patients through knowledge generation and knowledge translation to ensure we are delivering evidence based dietetic care. Specifically our research has led to enhanced prevention and treatment of malnutrition and pressure injuries through supportive meal time environments, appropriate provision of hospital foodservices and medical nutrition therapy, and the implementation of post discharge procedures. For patients with a diagnosis of cancer, appropriate treatment with early supportive enteral nutrition prevents nutritional decline, improves recovery and patient outcomes. Through a greater understanding of factors impacting on excess weight in pregnancy, appropriate health services can be delivery to prevent and manage excess weight which is associated with chronic disease in women and children throughout the life course.

## Achievements

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2015 has been another successful year for research in Nutrition and Dietetics. As a department (and in collaboration with our research partnerships), we have been awarded funding in excess of \$2.6mill in competitive national and local research grants, and have published a further 17 peer-reviewed research papers and 16 oral research presentations at national and international conferences. Three of our clinicians are completing research higher degrees, with a further five PhD students supervised by researchers in our department. Members of our department have been awarded three prestigious national awards, including the Sir Robert Menzies Memorial Research Scholarship in Allied Health Science awarded to Teresa Brown.

## Research collaborations

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Our department has strong research networks within RBWH, Metro North HHS and beyond. Locally, we collaborate with Internal Medicine, Cancer Care, Gastroenterology and Hepatology, Women's and Newborn, and Nursing and Midwifery Services at RBWH. We partner with a number of universities to conduct research and supervise research students (undergraduate, Masters and PhD). Academic partners include QUT; UQ; Griffith University; University of Sunshine Coast (USC), Australian Catholic University (ACU) and QIMR. State-wide, national and international networks include: Australasian Society of Parental and Enteral Nutrition (AuSPEN); European Society of Clinical Nutrition and Metabolism (ESPEN), Academy of Nutrition and Dietetics, Australian and New Zealand Intensive Care Research Centre (ANZIC-RC); as well as Nursing Research Centre of Excellence, and collaborations with other hospitals, including PAH and TPCH.

## Department of Nutrition and Dietetics *(cont)*

### Supervised Post-Graduate Research Students

Name	Current Studies University <i>(duration)</i>	Research Project Title	Supervisors <i>(RBWH staff in bold)</i>
Teresa Brown	PhD, (UQ) (2011–16)	Does early commencement of nutrition support in patients with head and neck cancer improve outcomes?	Judy Bauer, <b>Merrilyn Banks, Brett Hughes</b>
Skye Marshall	PhD, Bond University (2012–16)	Malnutrition in the Australian Rural Rehabilitation Community	Elisabeth Isenring, <b>Adrienne Young</b>
Angela Byrnes	PhD, UQ (2015–18)	Eat Walk Engage: nutritional outcomes in older surgical patients	Judy Bauer, <b>Adrienne Young, Merrilyn Banks, Alison Mudge</b>
Sarah Andersen	MPhil, UQ (2015–16)	Does early proactive enteral nutrition improve outcomes post allogeneic stem cell transplantation – A randomized comparison to standard care	Judy Bauer, <b>Merrilyn Banks</b>
Nerida Hart	PhD, Queensland University of Technology (QUT) (2015–18)	Determining the quality attributes of acute care hospital food services systems	<b>Mary Hannan-Jones, Merrilyn Banks</b>
Claire Nelson	PhD, QUT (2014–16)	Investigation of nutrition status of community adults with lower leg wounds	<b>Merrilyn Banks, Mary Hannan-Jones, Kathleen Findlayson</b>
Quoc Quong Tran	PhD, QUT (2014–17)	Nutritional status of patients in Vietnamese hospitals	Daniell Gallegos, <b>Merrilyn Banks, Mary Hannan-Jones</b>
Shelley Roberts	PhD, Griffith University (2011–15)	Nutrition in prevention of pressure ulcers in hospitalised patients	Wendy Chaboyer, Ben Desbrow, <b>Merrilyn Banks</b>

### Research Fellows

Name	Type of Fellowship	Research Program	University <i>(years)</i>
Merrilyn Banks	NHMRC Health Professional Research Training Fellowship	Efficacy and cost effectiveness of nutrition in healing pressure ulcers	Queensland University of Technology (QUT) (2012-2015)
Adrienne Young	Research Coordinator	Nutrition in Older Adults	QUT (2013 – current)
Susie de Jersey	Research Coordinator	Nutrition in Obstetric patients	QUT (2013 – current)
Lynda Ross	Visiting Fellow	Healthy Eating and Lifestyle Program (HELP) intervention evaluation and follow up	Griffith University (2014-current)
Mary Hannan-Jones	Honorary Research Fellow	Improving quality of Food Services	Senior Lecturer, QUT (2014 – current)

### Current RBWH Led Research Activity

RBWH Lead Researchers	Collaborative Researchers <i>(RBWH staff in bold)</i>	Research Project Title
Paula MacDermott	Chris Chapman-Kiddell, Lynda Ross (Griffith), Anita Pelecanos (QIMR Berghofer), <b>Graham Radford-Smith (Gastroenterology)</b>	Is there any correlation between dietary patterns in Inflammatory Bowel Disorder and genetics pre-diagnosis?
Teresa Brown	<b>Merrilyn Banks (Nutrition and Dietetics), Brett Hughes (Cancer Care), Charles Lin (Cancer Care), Liz Kenny (Cancer Care), Judy Bauer (UQ)</b>	A randomized comparison of early prophylactic feeding via gastrostomy versus standard care in high risk patients with head and neck cancer (2012-current)
Teresa Brown	<b>Merrilyn Banks (Nutrition and Dietetics), Brett Hughes (Cancer Care), Charles Lin (Cancer Care), Liz Kenny (Cancer Care), Judy Bauer (UQ)</b>	Impact of non-adherence to swallow and nutrition guidelines for head and neck cancer
Teresa Brown	<b>Merrilyn Banks (Nutrition and Dietetics), Brett Hughes (Cancer Care), Charles Lin (Cancer Care), Liz Kenny (Cancer Care), Judy Bauer (UQ)</b>	Investigation of p16 (HPV) status, chemotherapy regimen and other nutrition markers for predicting gastrostomy in patients with head and neck cancer



## Department of Nutrition and Dietetics *(cont)*

### Current RBWH Led Research Activity *(cont)*

RBWH Lead Researchers	Collaborative Researchers <i>(RBWH staff in bold)</i>	Research Project Title
Claire Blake	<b>Teresa Brown (Nutrition and Dietetics)</b> , Rainbow Lai (UQ), <b>Laura Moroney (SP)</b> , <b>Jennifer Helios (SP)</b> , <b>Brett Hughes (Cancer Care)</b> , <b>Liz Kenny (Cancer Care)</b> , Anita Pelecanos (QIMR Berghofer)	Nutrition outcomes and toxicities from tomotherapy in head and neck cancer patients
Teresa Brown	Aaron Chan (UQ), <b>Kathleen Dwyer (Nutrition and Dietetics)</b> , <b>Merrilyn Banks (Nutrition and Dietetics)</b> , <b>Brett Hughes (Cancer Care)</b> , Judy Bauer (UQ), <b>Charles Lin (Cancer Care)</b> , <b>Liz Kenny (Cancer Care)</b> , <b>Jane Crombie (Speech Path)</b> , <b>Ann-Louise Spurgin (Speech Path)</b>	Revalidation of swallow and nutrition guidelines in tomotherapy
Sarah Andersen	<b>Merrilyn Banks (Nutrition and Dietetics)</b> , <b>Glen Kennedy (Cancer Care)</b> , <b>Teresa Brown (Nutrition and Dietetics)</b> , <b>Nicholas Weber (Cancer Care)</b> , <b>Geoff Hill (Cancer Care)</b> , Judy Bauer (UQ)	Does early proactive enteral nutrition improve outcomes post allogeneic stem cell transplantation - A randomized comparison to standard care (2015-current)
Susie de Jersey	<b>A/Prof Leonie Callaway (UQ, IMS)</b> , Dr Lynda Ross (Griffith Uni), <b>Taylor Guthrie (Nutrition and Dietetics)</b> , <b>Jeanette Tyler (Women's and Newborn)</b> , <b>Nickie Moreton (Women's and Newborn)</b> , <b>Dr Karen New (UQ, Women's and Newborn)</b> , <b>Janelle Laws (Women's and Newborn)</b>	Evaluation of workforce training to support Healthy Pregnancy Healthy Baby
Susie de Jersey	<b>A/Prof Leonie Callaway (UQ, IMS)</b> , <b>Taylor Guthrie (Nutrition and Dietetics)</b> , <b>Jeanette Tyler (Women's and Newborn)</b> , <b>Nickie Moreton (Women's and Newborn)</b> , <b>Dr Karen New (UQ, Women's and Newborn)</b>	Efficacy of a low intensity consumer held pregnancy weight monitoring tool to prevent excess gestational weight gain
Angela Byrnes	<b>Adrienne Young (Nutrition and Dietetics)</b> , <b>Merrilyn Banks (Nutrition and Dietetics)</b> , <b>Alison Mudge (IMS)</b> , Judy Bauer (UQ)	Investigating the nutritional status and care of older ( $\geq 65$ years) patients on two general surgical wards: A multiphase, action research study
Adrienne Young	<b>Merrilyn Banks (Nutrition and Dietetics)</b> , <b>Jo Roddick (Nutrition and Dietetics)</b> , <b>Kate Morgan (Nutrition and Dietetics)</b> , <b>Tayla Robertson (Nutrition and Dietetics)</b> , Danielle Gallegos (QUT)	Nutritional care in hospital: <i>What is the patient experience?</i>
Claire Blake	<b>Merrilyn Banks (Nutrition and Dietetics)</b> , <b>Mark Appleyard (Gastroenterology)</b>	Cost effectiveness of Dietitian-led PEG service
Merrilyn Banks	<b>Joan Webster</b> , <b>Kathleen Dwyer</b> , Sandra Capra (UQ), Judy Bauer (UQ), Melanie Bannister (Wesley), Donna Hickling (TPCH), Amy Nevin (PAH)	Healing Pressure Ulcers: <i>Efficacy and cost effectiveness of nutrition</i> (Phase II)
Melissa Eastgate (Cancer Care)	<b>David Wyld (Cancer Care)</b> , <b>Teresa Brown (Nutrition and Dietetics)</b>	Patient perceptions of diet and cancer – Survey of cancer care patients
Alison Mudge (IMS)	<b>Merrilyn Banks (Nutrition and Dietetics)</b> , <b>Prue McRae (IMS)</b> , <b>Adrienne Young (Nutrition and Dietetics)</b> , <b>Adrian Barnett (QUT)</b> , Irene Blackberry (Latrobe), Ann Chang (QUT), Nick Graves (QUT), Ruth Hubbard (UQ), Sharon Inouye (Harvard), Sue Kurrle (Uni of Sydney), Kwan Lim (Uni of Melbourne), Nancy Peel (UQ)	CHERISH Collaborative for Hospitalised Elders: <i>Reducing the Impact of Stays in Hospital</i>
Priya Cherien (Medical Imaging)	<b>Claire Blake (Nutrition and Dietetics)</b> , <b>Mark Appleyard (Gastro)</b>	Radiologically inserted gastrostomy (RIG) an Interventional Radiology Procedure that promotes high value healthcare

## Department of Nutrition and Dietetics *(cont)*

### Other Current Collaborative Research Activity

Collaborative Lead Researchers	RBWH Researchers	Research Project Title
Louise Cooney (PAH)	Teresa Brown (Nutrition and Dietetics), Eliza Kern (Nutrition and Dietetics), Suzie Ahern (Nutrition and Dietetics), Liz Kenny (Cancer Care), Brett Hughes (Cancer Care)	Comparison of nutrition and clinical outcomes in HandN cancer patients following reactive and proactive nutrition support approaches
Loris Pironi (Home Artificial Nutrition Group, ESPEN)	Emma Osland (Nutrition and Dietetics)	International benchmarking of Home Parenteral Nutrition service provision and validation of ESPEN chronic intestinal failure classifications.
Cristal Newman (South West HHS)	Adrienne Young (Nutrition and Dietetics)	Can an AHA deliver the SGA with the same reliability and confidence as an APD?
Lynda Ross (Griffith)	Robin Hay (Nutrition and Dietetics)	Healthy Eating and Lifestyle Program (HELP) intervention evaluation and follow up
Wendy Chaboyer (Griffith)	Merrilyn Banks (Nutrition and Dietetics), Joan Webster (Nursing and Midwifery)	INTACT trial: Care bundle to prevent pressure injuries
Rosa Hand (Academy of Nutrition and Dietetics, USA)	Merrilyn Banks, Adrienne Young (Nutrition and Dietetics)	Validation of the adult malnutrition clinical characteristics (MCC)
Judy Bauer (UQ)	Teresa Brown (Nutrition and Dietetics), Merrilyn Banks (Nutrition and Dietetics), Brett Hughes (Cancer Care), Charles Lin (Cancer care), Liz Kenny (Cancer Care), Louise Campbell (Qld PET Service)	Comparison of body composition methods in head and neck cancer patients undergoing chemoradiotherapy – PET-CT vs BIA
Gary Slater, Jude Maher (USC)	Susan de Jersey (Nutrition and Dietetics)	The CHANGE study (body Composition, pHysical Activity, pregNancy, enerGy metabolism, diEt); Investigating womens' body composition change during pregnancy
Jude Maher, Lauren Hurst (USC)	Susan de Jersey (Nutrition and Dietetics)	Health priorities of women during pregnancy: <i>A discrete choice experiment</i>

### Research Awards and Achievements

Recipient	Award	Event
Dept of Nutrition and Dietetics	PEN Evidence Based Practice Prize, highly commended; Dietitians Association of Australia	N/A
Posthauer, Mary Ellen Banks, Merrilyn Dorner, Becky Schols, Jos M. G. A.	2015 Roberta S. Abruzzese Publishing Award	Clinical Symposium on Advances in Skin and Wound Care
Teresa Brown	Sir Robert Menzies Memorial Research Scholarship in Allied Health Sciences	N/A



## Department of Occupational Therapy

Occupational Therapy, RBWH aims to use research and evidence in daily practice to maximise patient outcomes. Occupational Therapy works collaboratively with health care consumers, internal and external stakeholders through local and service-wide networks. The Occupational Therapy service has recently introduced local clinical networks, “lunch and learn sessions” to facilitate the development of knowledge and skills and the independent application of these skills to clinical practice. We aim to influence the knowledge base applied to Occupational Therapy practice, practice guidelines and service developments.

The clinical benefits of the 2015 research projects include:

1. Identifying factors which predict adherence to pressure garments for patients with burns.
2. Evaluation of the effectiveness of conservative management of carpal tunnel syndrome as an alternative pathway of care.
3. Development of tools and training methods to support the development of Occupational Therapy.
4. Application of activity pacing as a treatment strategy to reduce the development of habitual overactive behaviour in patients with chronic pain.

The Queensland Allied Health Profession's Office funds HP Research Grants on an annual basis and Kirsten Cook, Advanced Occupational Therapist, Hand Therapy was successful in 2015 to investigate the impact of this service on the waiting times for treatment for carpal tunnel syndrome and the cost effectiveness of Primary Contact Occupational Therapy services. Dr Nicole Andrews et al 2015, “It's very hard to change yourself: an exploration of overactivity in people with chronic pain using interpretative phenomenological analysis” was nominated as the most cited article in PAIN Journal.

Occupational Therapy partners with UQCCR, University of Queensland Medical School, the RBWH departments of Neurology and the Professor Cramond Multi Disciplinary Pain clinic with this year's current research projects.

Investing new models of care is a priority for the ongoing care of Queenslanders and the conservative management of patients with carpal tunnel syndrome has been newly introduced and is being evaluated. A patient experience of this pathway is as follows;



“ After living with constant pain, anxiety and depression associated with having no use of my hands, due to having carpal tunnel. I was referred to a occupational therapist. I went with a heavy heart, not expecting much. But after being seen by an OT given exercises, advice, and a whole lot more, my life has improved so much. After my second visit, I can now do all activities that I couldn't do before. I now jump out of bed and look forward to my day. Can't wait until my next visit. Occupational therapy rules. ”

Evaluation of these clinics is being expanded to include nine other sites around the state of Queensland.

## Department of Occupational Therapy *(cont)*

### Supervised Post-Graduate Research Students

Name	Current Studies University <i>(duration)</i>	Research Project Title	Supervisors <i>(RBWH staff in bold)</i>
Nicole Coghlan	MPhil	Factors affecting adherence to compression garments in an adult burns population	<b>Sue Laracy</b> , Jenny Strong, Jodie Copely, Tammy Aplin
Michelle Donovan	MPhil (2010–2016)	Improving donor site epithelisation and scar maturation times following split skin grafting in Burns patients: <i>A novel research study using compression therapy</i>	<b>Michael Muller</b> , <b>Jennifer Paratz</b> , Zephania Tyack.
Sarah Kekki	Masters in Clinical Rehabilitation Flinders University	Intensity of UL practice in occupational therapy treatment in adult stroke population.	<b>Sue Laracy</b> , Chris Barr, <b>Giovanna Tornatore</b>

### Research Fellows

Name	Type of Fellowship	Research Program	University <i>(years)</i>
Nicole Coghlan	Crammond Fellow In Pain Management	M Phil	UQ





## Department of Occupational Therapy *(cont)*

### Current RBWH Led Research Activity

RBWH Lead Researchers	Collaborative Researchers <i>(RBWH staff in bold)</i>	Research Project Title
Kirsten Cook	<b>Sue Laracy</b> , <b>Shireen Senewiratne</b>	Occupational Therapy in the Treatment of Carpal Tunnel Syndrome for Patients Referred for Surgical Opinion in an Australian Public Hospital
Tennille Rowland	<b>Sue Laracy</b> , <b>Giovanna Tornatore</b> , <b>Beverley Lewis</b> , Simon Finnigan	Occupational therapy stroke audit: Measuring compliance of occupational therapy practice with evidence-based guidelines
Sue Laracy	Cate Fitzgerald, <b>Bev Lewis</b>	Supporting the transition to practice of new graduate occupational therapist using a clinical education framework.
Nicole Andrews	Jenny Strong, Pamela Meredith, <b>Julia Fleming</b> , Kellie Gordon, Karl Bagraith, Genevieve Donohue, Rachel D'Arrigo	An Exploration of Overactivity in Chronic Pain
Robyn Scheer	<b>Emma Foley</b> , <b>Nicole Andrews</b> , <b>Sue Laracy</b>	The effect of limb position on leg circumference measurements in patients diagnosed with lower limb lymphoedema.



### Other Current Collaborative Research Activity

Collaborative Lead Researchers	RBWH Researchers	Research Project Title
Emma Schleiger (UQCCR)	<b>Tennille Rowland (Occ Therapy)</b> , Simon Finnigan (UQCCR), <b>Andrew Wong (Neurology)</b>	Quantitative EEG in Stroke: Role of quantitative EEG in diagnosis, prognostication and management of acute stroke.

### Research Awards and Achievements

Recipient	Award	Event
Nicole Andrews, Jenny Strong, Pamela Meredith, Kellie Gordon, Karl Bagraith	PAIN's 2015 most cited paper award	-

## Department of Physiotherapy

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The Department of Physiotherapy provides clinical services to both inpatients and outpatients of RBWH who have, or potentially have, an underlying movement dysfunction resulting from injury, disease or life changes. RBWH physiotherapists provide a wide range of clinical services across a variety of quaternary, tertiary and secondary services including medicine, surgery, neurosurgery, orthopaedics, critical care, burns, rehabilitation, trauma services, oncology, obstetrics, gynaecology, neonatology and other musculoskeletal, neurological and cardiorespiratory specialties.

2015 was another outstanding year for the Department of Physiotherapy with 22 peer reviewed publications, one book chapter, 16 conference presentations and over \$700,000 in research grants. A large contributing factor to the ongoing high level of research output, was the continuation of conjoint Research Fellow appointments with both UQ's School of Health and Rehabilitation Sciences and Griffith University's School of Allied Health Sciences. The department was very fortunate to retain Dr Shaun O'Leary for a further 3 years in the UQ conjoint Research Fellow position and Dr Jennifer Paratz continued to excel in the GU conjoint Research Fellow position, winning the 2015 Distinguished Research Medal at the RBWH Symposium. Further recognition for research achievement was attained by Dr Peter Thomas and Ms Julie Adsett, who received awards at the National Allied Health Conference, and the Australian Physiotherapy Association National Conference respectively.

In addition to the conjoint Research Fellow partnerships, the Physiotherapy Department continued to build research collaborations with a wide range of academic partners locally, nationally and internationally, as well as other clinical service providers within RBWH, and externally with health service providers and professional associations on a national level.

The continued involvement of both dedicated research staff and clinical staff in the department's research program has ensured that research benefits are directly transferrable into clinical practice. The key areas of research focus for 2015 have been musculoskeletal conditions, acute and chronic respiratory conditions, critical care, burns, persistent pain, vestibular rehabilitation, pelvic floor dysfunction, telerehabilitation and physiotherapy prescribing. As a point of focus, many of these areas of research have supported the development of expanded primary contact physiotherapy practice, which has delivered improved access for consumers to high quality and efficient care.





## Department of Physiotherapy *(cont)*

### Supervised Post-Graduate Research Students

Name	Current Studies University <i>(duration)</i>	Research Project Title	Supervisors <i>(RBWH staff in bold)</i>
Julie Adsett	PhD, Griffith University (2012–2018)	Aquatic versus land based exercise training for people with stable heart failure	Norm Morris, <b>Jennifer Paratz</b>
Ian Parker	PhD, ACU (2013–2018)	Clinical and Cost effectiveness analysis of the RBWH Vestibular Screening and Rehabilitation Service model of care	Nancy Low Choy
Peter Window	PhD, UQ (2014–2017)	Can Kinematic based measures of the lumbo-pelvic-hip complex detect differences in motor function in individuals with chronic low back pain and healthy controls?	<b>Shaun O’Leary</b> , Kylie Tucker, Paul Hodges
Sonia Sam	PhD, UQ (2011–TBC)	Cardiovascular Function in Preterm Infants and relationship to developmental outcome	Barbara Lingwood
Orlando Flores	PhD, UQ (2014–2018)	Metabolism in Burn Survivors	<b>Jennifer Paratz</b> , Zehpanie Tyack (UQ), Kellie Stockton (LCCH)
Lauren O’Connor	MPhil, Griffith University (2015–2017)	The passey –Muir Valve, acute effects	Norm Morris, <b>Jennifer Paratz</b>
Maureen Peasy	MPhil (TPCH) (2014–2016)		Norm Morris, <b>Jennifer Paratz</b>
Jemima Boyd	MMedSc (Griffith) (2016–2018)	Cardio output during exercise on vasopressor support	<b>Jennifer Paratz</b> , James Walsh
Bernie Bissett	PhD (UQ) (2102–2015)	Respiratory muscle training in intubated patients	<b>Jennifer Paratz</b> , <b>Rob Boots</b> , Anne Ledesike
Michelle Spermon	MPhil (2012–2105)	Pressure support to donor sites	<b>Jennifer Paratz</b> , <b>Michael Muller</b> , Zephania Tyack
Judith Bellapart	PhD (2013–2017)	Anaemia in head injury	<b>Jennifer Partaz</b> , <b>Rob Boots</b> , John Fraser
Jennifer Sanderson	MPhil, Griffith University, (2014–2016)	Evaluating the effect of applying sustained thumb pressure to lymphoedema tissue using ultrasound: A review of the pitting test.	<b>Hildegard</b> , <b>Reul-Hirche</b>

### Research Fellows

Name	Type of Fellowship	Research Program	University <i>(years)</i>
Jennifer Paratz	Conjoint Fellow	TBC	Griffith University
Shaun O’Leary	Conjoint Fellow	Investigating management strategies for the management of musculoskeletal disorders	UQ

### Current RBWH Led Research Activity

RBWH Lead Researchers	Collaborative Researchers <i>(RBWH staff in bold)</i>	Research Project Title
Mark Cruickshank	Mark Nelson (QEII), Tania Cavanagh (Cairns Hospital), <b>Maree Raymer</b> , Rod Ellem (Robina Hospital), Nicole Bellet (TPCH), Cherie Hearn (PAH), Dean Blond (GCUH), Lisa Nissen (QUT)	Physiotherapy Defined Scope of Practice (Prescribing) Trial
Jennifer Paratz	<b>Anita Plaza (Physiotherapy)</b> , <b>Michael Muller (Surgery)</b> , Justin Kenardy (UQ), Orlando Flores (UQ)	IMPACT – Burns the physical and psychological effects of exercise in burn survivors: an RCT
Michael Muller	<b>Jennifer Paratz</b> , Jason Roberts (UQ), Orlando Flores (UQ)	Adrenergic blockade in burns

## Department of Physiotherapy (cont)

### Current RBWH Led Research Activity (cont)

RBWH Lead Researchers	Collaborative Researchers (RBWH staff in bold)	Research Project Title
Jennifer Paratz	<b>Michael Muller (Surgery)</b> , Sanjoy Paul (QIMR Berghofer), <b>John Younger (Cardiology)</b>	Cardiovascular risk in Burns
Jennifer Paratz	<b>Rob Boots (RBWH, Thoracic medicine)</b> , Geetha Kayambu (NUH, Singapore)	i-Perform Early rehabilitation in critically ill Sepsis patients
Jennifer Paratz	<b>Rob Boots (Thoracic Medicine)</b> , Justin Kenardy (UQ), Fiona Coyer (QUT), <b>Peter Thomas (RBWH)</b> , <b>Sonia Sam (RBWH)</b> , Sunil Singh (Bundaberg Hospital)	IMPOSE – Follow up clinic of critically ill patients post sepsis
Michael Muller	<b>Jennifer Paratz (RBWH)</b> , Hana Burianova (UQ), David Reutens (UQ), <b>Joel Dulhunty (RBWH)</b>	Prevention of Burns fMRI investigation of optimal media messages
Jennifer Paratz	<b>Peter Thomas (RBWH)</b> , Kellie Stockton (LCCH)	Saline installation in intubated patients
Jennifer Paratz	<b>Rob Boots (RBWH)</b> , <b>Michael Muller (Surgery)</b>	Inhalation and right heart failure in burns
Jennifer Paratz	Kellie Stockton (LCCH), <b>Rob Boots (RBWH)</b>	Exercise testing in the chronically critically ill patient
Jennifer Paratz	<b>Peter Thomas (RBWH)</b> , George Ntoumenopolous (SUT), Alice Jones (Griffith), Antonio Torres (University of Barcelona), Gianluigi Li Bassi (University of Barcelona)	Waveform detection of secretion retention in intubated patients
Shaun O'Leary	Stephen McPhail, Tracey Comans, <b>Marie Raymer</b> , A. Khan.	Optimising patient selection and resource utilization for the non-surgical management of common orthopaedic conditions
Shaun O'Leary	Stephen McPhail, V. Kuipers, Megan Dalton.	Do clinicians have the necessary skills to facilitate optimal utilisation of health services by patients with chronic musculoskeletal disorders?
Shaun O'Leary	Gwen Jull, Stephen McPhail, <b>Glen Volker</b> , Peter Tonks	Physical Therapy for Neck Pain – Are we moving in the right direction?
Peter Window	<b>Shaun O'Leary</b> , Tucker, Paul Hodges	Can Kinematic based measures of the lumbo-pelvic-hip complex detect differences in motor function in individuals with chronic low back pain and healthy controls?
Charlotte Hockey	<b>Jenny Paratz</b> , Andre Van Zundert,	Does objective measurement of tracheal tube cuff pressures minimise adverse effects and maintain accurate cuff pressures? A systematic review and meta-analysis.
Fiona Coyer (RBWH ICU, QUT), Anthony Holley (RBWH ICU), Peter Thomas (RBWH Physiotherapy), Greg McNamara (RBWH ICU)	Jessica Ingleman (QUT), Christina Parker (QUT) Chris Edwards (QUT), Mohsina Khatun (UQ)	Critically ill patient tissue reperfusion in two body positions and varied timed periods of load: EXTREME pressure 2 study



## Department of Physiotherapy *(cont)*

### Other Current Collaborative Research Activity

Collaborative Lead Researchers	RBWH Researchers	Research Project Title
Sandra Brauer (UWQ)	Jennifer Paratz (RBWH)	Treadmill training in the stroke patient
Sue Berney (Austin Hospital)	Jennifer Paratz (RBWH)	e-stimcycle – early rehabilitation in the sepsis patient
Simon Miller, Allison Mandrusiak	Julie Adsett	Getting to the heart of the matter: What is the landscape of exercise rehabilitation for people with heart failure in Australia?
Elise Gane	Shaun O'Leary	Identifying risk factors for poor functional recovery of the neck and shoulder after neck dissection surgery in patients with head and neck cancer
Deokhoon Jun	Shaun O'Leary	A longitudinal study of risk factors for neck pain in office workers
Tracy Comans	Shaun O'Leary, Maree Raymer	Are physiotherapy led screening clinics cost effective in improving orthopaedic outpatient services?
Venerina Johnston	Shaun O'Leary	A workplace-based exercise intervention to prevent and reduce the economic and personal burden of non-specific neck pain in the office personnel
Yaheli Bet-Or	Shaun O'Leary	Is there a difference in scapular kinematics between healthy controls and people with chronic neck pain?
Khalid Jaber	Shaun O'Leary	Pain sensory and psychological predictors of response to total knee replacement:
Xiaoqi Chen	Shaun O'Leary	Prevention and reduction of neck pain in office workers and the effect of a workplace- based intervention
Olivia Galea	Shaun O'Leary	The role of cervical musculoskeletal impairment in concussion
Michelle Cottrell	Shaun O'Leary	Evaluating the impact of a telerehabilitation model of care in an orthopedic screening and multidisciplinary service
Hyunmi Kim	Shaun O'Leary	The Relationship between Neck Posture, Motor Control and Neck Muscle Performance in Patients with Chronic Neck Pain
Yuan Qi Lim	Shaun O'Leary	Does flexibility influence posture and symptom severity in neck pain patients?
Matthew Linnane (TPCH), Amanda Corley (TPCH), Amy Spooner (TPCH), Lawrence Caruana (TPCH), Oystein Tronstad (TPCH), James Walsh (TPCH), John Fraser (TPCH)	Peter Thomas (Physiotherapy)	A comparison of the effects of manual hyperinflation and ventilator hyperinflation on restoring end expiratory lung volume after airway suctioning.

### Research Awards and Achievements

Recipient	Award	Event
Jennifer Paratz	Distinguished Research Medal	RBWH Symposium 2015
Julie Adsett	Best e-poster (Cardiorespiratory category)	Australian Physiotherapy Association National Conference Oct 2015
Elizabeth Skinner, Julie Reeve, Peter Thomas (RBWH Physiotherapy), Shane Patman	Best Oral Presentation	National Allied Health Conference Melbourne, 2015.

## Department of Rehabilitation Engineering

2015 saw the start of two new collaborative research ventures for Rehabilitation Engineering. Rehabilitation Engineering took part in the Extreme Pressure study in the Intensive Care Unit (ICU) led by Professor Fiona Coyer from the QUT School of Nursing. The aims of this pilot study were to investigate and understand the relationships between healthy and unwell subjects across a number of parameters. Rehabilitation Engineering contributed expertise in the measurement and interpretation of interface pressure data. Interface pressure mapping has been used for designing custom wheelchair cushions for many years at the RBWH. In this study, pressure mapping was used to confirm “at risk” skin areas in a number of common nursing positions used in ICU. It is hoped that Rehabilitation Engineering can continue to participate in future work with this project.

In June 2015, Rehabilitation Engineering partnered with Children’s Health Queensland through the Queensland Paediatric Rehabilitation Service at the Lady Cilento Children’s Hospital, to investigate the use of tele-health to provide remote assessment of assistive technology needs. This project is working towards developing training resources as well as trailing and evaluating the possibilities of remote assessment and manufacture. Results are planned to be presented in two national conferences in 2016.

Rehabilitation Engineering has also continued working with the Spinal Outreach Team as part of the State wide spinal cord injury service. Following on from the collaborative research project published in 2014, the research group continued to collect data through 2015.

The strong links with the QUT have also remained with the continuation of the Adjunct Associate Professor role in the Science and Engineering Faculty. The aim of this role is to develop the design course for the medical engineering degree.

### Other Current Collaborative Research Activity

Collaborative Lead Researchers	RBWH Researchers	Research Project Title
Fiona Coyer (QUT)	Peter Slattery (Rehabilitation Engineering)	Extreme Pressure Study
Shailendra Maharaj (CHQ)	Peter Slattery (Rehabilitation Engineering)	Tele-rehabilitation: Measuring from a Distance





## Department of Social Work and Psychology

The Department of Social Work Services has an increased focus on developing the capacity and capability of social workers at RBWH to engage in research activity. In 2015, a survey was conducted in Social Work to ascertain levels of confidence and training needs of social workers to engage in research. Overall responses showed staff had very low confidence to undertake research activity. Results of the survey also evidenced a need for staff to have training opportunities and education in the fundamentals of how to conceptualise research as part of everyday social work practice. That has provided a platform for the research direction of the Social Work Department moving forward into 2016.

In an increasingly complex and challenging health environment, patients benefit from our research as it provides a solid foundation upon which to base social work interventions. A research framework also allows us to embed evaluation into new programs and projects, so providing data upon which to base improvements in caring for patients and their families.

### Current RBWH Led Research Activity

RBWH Lead Researchers	Collaborative Researchers (RBWH staff in bold)	Research Project Title
Angela O'Malia, Suzette Fox, Amanda Masters		Social Work at The Coal Face in Management of Disaster Recover Work: Ravenshoe
Dr Charan Bale, Dr Dwarakanathan Ranganathan, Sonny Huynh, Linh Pham		Social Issues identified in CKD patients at a tertiary health centre in Australia
Elisabeth Hamernik	RBWH psychology staff	Clinical utility of the DSM-5 cross-cutting measure in a medical setting

### Other Current Collaborative Research Activity

Collaborative Lead Researchers	RBWH Researchers	Research Project Title
Dr Stefan Blum (Mater and UQCCR)	Kate Thompson (Psychology), James Scott (Mental Health), Dr Donna Spooner (Psychology)	Anti-NMDA-receptor encephalitis: An Australian case series examining patterns and predictors of cognitive outcomes.



# Department of Speech Pathology and Audiology

The Speech Pathology and Audiology Department provides tertiary and quaternary level clinical services to adult inpatients and outpatients with swallowing and/or communication disorders of varying complexity and aetiology as well as providing audiology services to patients with otologic conditions. Services are provided at the RBWH Acute Hospital, the Geriatric Evaluation and Management Unit, and the Geriatric Assessment and Rehabilitation Unit, Rosemount.

The Department participates in a range of specialist multidisciplinary teams and has a strong commitment to clinical research and student education. In particular, the Speech Pathology and Audiology Department has established key research partnerships with the UQ Centre for Clinical Research and School of Health and Rehabilitation Sciences resulting in ongoing collaborative research projects and publications.

Key research areas include:

- Head and Neck Cancer – intervention, models of care and outcomes of patients following surgery and/or chemotherapy/radiotherapy
- Stroke- assessment of aphasia, intensity of aphasia rehabilitation
- Dysphagia – dysphagia screening, instrumental assessment, swallowing rehabilitation
- Telehealth and telerehabilitation
- Tracheostomy – simulated training
- Cochlear implant



In 2015 the research achievements in Speech Pathology and Audiology continued to thrive. This was achieved through extensive existing collaborations and the committed clinicians engaged in research across all of our teams. The overall research outputs for Speech Pathology and Audiology in 2015 were 7 peer reviewed publications in high impact journals, 13 oral conference presentations and 6 poster presentations.

Highlights included numerous awards recognising Clare Burns' research investigating innovative telehealth models of care in Head and Neck Cancer. In 2015, Clare's innovative research was disseminated in peer reviewed publications and at international conferences. Furthermore, Clare won the 2015 AHP Research Award at the RBWH Research Symposium as well as being highly commended for innovation at the inaugural MNHHS Excellence Awards.

We are particularly proud of the growth in the research capacity across all our teams and the number of novice researchers publishing in peer reviewed journals and presenting their research findings at international conferences for the first time in 2015. We are committed to the further development of our "clinician researchers of the future" in Speech Pathology and Audiology.

We have a clear vision to undertake research which translates into real benefits for our consumers and we are committed to rigorous evaluation of new innovative models of care (e.g., telehealth models of care in Head and neck Cancer, aphasia rehabilitation models). We look forward to building on the achievements of 2015 in the coming years.

## Supervised Post-graduate Research Students

Name	Current Studies University (duration)	Research Project Title	Supervisors (RBWH staff in bold)
Clare Burns	PhD, UQ (2013–2016)	Telehealth and Speech Pathology Management of Head and Neck Cancer	Liz Ward, Annie Hill
Laura Moroney	MPhil, UQ (2015–2018)	Dysphagia and related toxicities in head and neck patients undergoing Helical Intensity Modulated Radiotherapy (H-IMRT) +/- chemotherapy	Liz Ward, <b>Jane Crombie</b>
Alexia Rohde	PhD, UQ (2012–2016)	Evidence-based identification of aphasia using a rational clinical examination approach	Linda Worrall, Robyn O'Halloran, Erin Godecke, <b>Anna Farrell</b>
Leisa Turkington	PhD, UQ (2013–2019)	Neurogenic dysphagia and sensory enhancement strategies	Liz Ward, <b>Anna Farrell</b>



## Department of Speech Pathology and Audiology (cont)

### Current RBWH Led Research Activity

RBWH Lead Researchers	Collaborative Researchers (RBWH staff in bold)	Research Project Title
Clare Burns	Liz Ward, Annie Hill, Lynell Bassett, <b>Liz Kenny</b> , Karen Malcolm, Franco del Rosso, Phil Greenup	Randomised Controlled Trial to evaluate a Speech Pathology telehealth service to support Head and Neck Cancer patients
Clare Burns	Liz Ward, Anne Hill, Ben Keir	Conducting instrumental assessments of adult dysphagia via telehealth
Clare Burns	Liz Ward, Annie Hill, Robyn Saxon, Brooke Cowie, Amy Gray	Development, implementation and evaluation of a Queensland Health telepractice model for the clinical assessment of adult dysphagia
Clare Burns and Shana Taubert	Liz Ward, Kelly McCarthy	Evaluating an e-Learning program for training in Adult MBS assessment
Alexia Rohde	Linda Worrall, Erin Godecke, Robyn O'Halloran, <b>Anna Farrell, Penni Burfein, Andrew Wong, Genevieve Skinner</b>	Evidence-based identification of aphasia using a rational clinical examination approach
Dr Anna Farrell	Anna Rumbach, Stacey Verner-Wren, Rebecca Nund, Nerina Scarinci, <b>Nicole Hutchinson, Robert Henderson, Pamela McCombe</b>	Patient and family carer experiences of dysphagia in Motor Neurone Disease: Determining speech pathology service needs for those living in rural and remote locations
Leisa Turkington	Liz Ward, <b>Anna Farrell</b>	Neurogenic dysphagia and sensory enhancement strategies
Laura Moroney	<b>Jane Crombie, Jennifer Helios, Clare Burns, Ann-Louise Spurgin, Liz Kenny, Brett Hughes, Clare Blake</b>	Dysphagia and related toxicities in head and neck patients undergoing Helical Intensity Modulated Radiotherapy (H-IMRT) +/- chemotherapy
Belinda Lehn, Sarah Wilson	<b>Clare Burns, Ann-Louise Spurgin, Robert Hodge, Martin Batstone</b>	Evaluation of speech and swallowing outcomes following total laryngectomy and pharyngolaryngectomy
Jane Crombie, Ann-Louise Spurgin	<b>Clare Burns</b> , Liz Ward, Stephanie Ng, <b>Teresa Brown, Liz Kenny, Brett Hughes, Lee Tripcony, Jaqueline Wells</b>	RBWH Swallowing and Nutrition Guidelines for Head and Neck Cancer patients
Rebecca Cremer	Anna Rumbach	Dysphagia outcomes following caustic ingestion

### Other Current Collaborative Research Activity

Collaborative Lead Researchers	RBWH Researchers	Research Project Title
Georgia Thomas (UQ) David Copland (UQ)	<b>Nadia Borgna, Sarah Heaton, Anna Farrell, Lindy Jefree</b>	The use of functional magnetic resonance imaging and MRI diffusion tractography for pre-surgical mapping and investigation of neuroplasticity in adults with a brain tumour
Linda Worrall (UQ), David Copland (UQ), Melissa Lawrie (Gold Coast HHS), Liz Ward (UQ), Moya Pattie (Wesley)	<b>Penni Burfein, Anna Farrell</b>	Can a new, intensive model of aphasia rehabilitation achieve better outcomes than usual care?

### Research Awards and Achievements

Recipient	Award	Event
Clare Burns	The Allied Health Professionals Research Award	RBWH Research Symposium October 2015
Clare Burns	Highly Commended Award for Innovation	MNHHS Excellence Awards Ceremony November 2015
Clare Burns	RBWH Post graduate Research Scholarship	RBWH Foundation Research Awards 2015
Clare Burns	PhD top up grant -AusHSI	Australian Centre for Health Services Innovation (AusHSI)
Alexia Rohde	RBWH Post graduate Research Scholarship	RBWH Foundation Research Awards 2015

# Cancer Care Services

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**Assoc. Prof. Glen Kennedy**  
Executive Director  
Cancer Care Services

Cancer Care Services (CCS) at RBWH provides expert, highly skilled, evidence-based care to patients affected by cancer and non-malignant haematological conditions, including haemophilia. As a service committed to striving for excellence, our multidisciplinary research team is an integral part of ensuring the provision of cutting edge treatment to our patients. The Cancer Care research team includes the Cancer Nursing Professorial Precinct, Medical Oncology, Radiation Oncology, and Haematology, including the Haemophilia Centre and Bone Marrow Transplant Unit. Research is considered core business within Cancer Care, and a vehicle to the facilitation of progressive treatment for our patients.

2015 represented another year of fantastic achievement in research for Cancer Care. The annual CCS Research Retreat brought together investigators from CCS and senior hospital and district executives to enable planning to ensure that research remains at the forefront of our service both now and into the future. The 2<sup>nd</sup> Biennial Research Excellence in Cancer involved leading cancer researchers from across South-east QLD presenting local achievements and developments in cancer research. A highlight from the event was keynote speaker Professor Ian Frazer AC discussing the role of our skin immune system in cancer prevention.

The Cancer Nursing Professorial Precinct is a strategic initiative of CCS, RBWH and the School of Nursing, QUT. Through strong collaboration with QUT and other research partners, the precinct seeks to further improve outcomes for people affected by cancer through high quality clinical research and the delivery of evidence-based nursing care. Nursing researchers worked to secure over 15 different SEED, travel and top up grants to a value in excess of \$600,000 in 2015. The Central Venous Access Device registry and DEM Avoidance project both received SEED Innovation funding with a combined value of over \$100,000.

The CCS Medical oncology department has an ongoing, active clinical research program and acts as a major tertiary referral centre in QLD. In 2015, medical oncology had 94 clinical trials open including 14 new studies resulting in 616 patients on study. RBWH foundation grants were received for the Neuroendocrine Tumour (NET) Survivorship project, a rare tumour. Collaborative research is ongoing with other RBWH departments such as qualitative research links to the School of Social Sciences at the University of NSW.

The Radiation Oncology research program in 2015 was particularly active in areas of head and neck cancer, skin cancer and brain metastases. The installation of new modern radiotherapy technology provided a platform for expanded physics research, and many investigator initiated projects have been developed. Strong research partnerships with our allied health team, especially in areas of diet and nutrition, continue to be forged.

The Haematology and Bone Marrow Transplant Clinical Research Unit provide an exceptional research program for complex haematological malignancies including clinical, translational and basic science research in leukaemia, lymphoma, myeloma and transplant immunology. In 2015 the team continued to secure several prestigious NHMRC grants, and presented preliminary findings from the haploidentical transplant study with gene-modified donor T cell add back at both national and international meetings. This phase 1 study is a collaboration between the QIMR Berghofer and RBWH bringing cutting edge technology to our patient population.

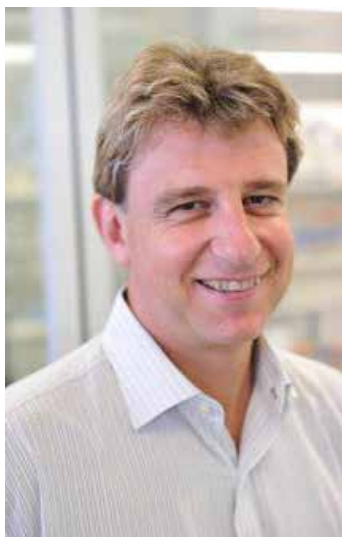
The Haemophilia Unit was also busy in 2015, launching a national patient “app” called “myABDR”. This app includes a patient treatment diary and is anticipated that aggregated de-identified data generated by the app will give a better picture of how further assistance can be given to patients with inherited bleeding disorders.

As we look forward to 2016 we continue to strive to further expand and embed research within CCS across all patient and disease groups, incorporating new and novel approaches to care within clinical, translational and basic science research programmes and partnerships, aiming to constantly improve clinical outcomes for our patients.



**Gillian Nasato**  
Nursing Director  
Cancer Care Services





**Prof. Geoff Hill**  
Research Director  
Cancer Care Services

The achievements of academic Haematologists at RBWH undertaking discovery and translational science across both QIMR Berghofer and RBWH include:

Prof Geoff Hill was an NHMRC Australia fellow and was awarded a subsequent NHMRC Senior Principal Research Fellowship in 2015. He published 18 articles in 2015 including papers in JEM, JCI, PNAS and Blood. Primary papers, with accompanying commentaries, defined new paradigms of acute lung injury and new pathogenic T cell subsets after transplant. A landmark study in JEM defined how a donor dendritic cell subset in the colon dictates transplant lethality. These studies define new therapeutic strategies to improve transplant outcome. Clinical trials, based on preclinical discovery, continue on inflammatory cytokine inhibition to prevent graft-versus-host disease (GVHD) and interferon based cytokines to prevent leukaemia relapse. New funding from the Wellcome Trust and Cancer Council Queensland was awarded to generate and study small molecule inhibitors of T cell differentiation. Prof Hill continued to serve on the editorial board of Blood and was inducted as a Fellow to the Australian Academy of Health and Medical Sciences.

A/Prof Steve Lane is a clinical NHMRC Career Development Fellow, focussing on the mechanisms of malignant transformation within haematopoiesis. He published 6 papers in 2015, including two in Nature and additional works in Blood and FASEB. Consistent with the impact of this work, he was awarded two large NHMRC project grants in 2015 as CIA that will define the ability to target leukaemia stem cells by telomerase inhibition and a study of the evolution of AML via in vitro transformation. The telomerase work follows a landmark recent publication in Cell Stem Cell and has led to a new clinical study of telomerase inhibition in AML with novel small molecule inhibitors. Dr Lane is the coordinator of haematology research at RBWH.

Dr Siok Tey is an NHMRC Early Career Fellow, focusing on cell therapy and transplantation. A particular emphasis is on engineering gene-modified T cells to more safely target pathogen and leukaemia-specific T cell responses. Dr Tey was awarded a NHMRC project grant in 2015 as CIA to study CMV responses after transplant. She published three articles in 2015 and has developed extensive collaborative ties with the biotechnology industry in Houston, USA to continue the translation of her research into patients at RBWH.

Dr Kate Markey is post MBBS/PhD and an advanced trainee in Haematology. She was awarded an inaugural QLD Health Junior Research Fellowship to develop novel molecular assays of sepsis in high risk patients and investigate relationships to patient microbiome signatures using sequencing approaches. She was one of only 20 trainee Haematologists selected worldwide to attend a Translational Research Training in Haematology workshop in Milan, run by the European Haematology Association and American Society of Hematology.

Dr Andrea Hendon is a Haematologist and Leukaemia Foundation of Australia PhD scholar, defining the role of new interferons on transplant outcome in both preclinical and clinical studies, publishing an initial review on the subject.

# Haematology, Bone Marrow Transplant and Haemophilia

The Haematology and Bone Marrow Transplant Clinical Research Unit provides a comprehensive research program for patients with complex haematological malignancies including leukaemia, lymphoma and myeloma. As the Clinical Haematology Referral Centre for the Central Zone, and the Bone Marrow Transplant Referral Centre for Queensland, this team communicates, collaborates and contributes to state and international bodies to improve treatment, outcomes and patient care.

In addition to achieving FACT accreditation again this year, research staff involvement across the department of Haematology and Bone Marrow Transplant, has been highlighted with several poster and podium presentations at well attended National and International meetings.

The unit conducts a wide range of innovative trials, Phase I to Phase IV, in the area of haematological malignancies. These trials include the testing of new therapeutic agents for the treatment of leukaemia, lymphoma and myeloma as well as improvements in the outcome of bone marrow transplantation and ongoing participation in the development of novel treatments.

There is an ongoing collaboration between departmental clinical staff and the QIMR Berghofer which corresponds to an improved ability to develop and participate in translational research programs. Preclinical models are used to dissect the immunological mechanisms of transplant rejection and the cellular mechanisms of leukemogenesis, with the aim of developing targeted therapies to improve patient outcomes.

The Queensland Haemophilia Centre is a state-wide service based at RBWH. The centre provides comprehensive care for those with haemophilia and other inherited bleeding disorders. Designated staff provide medical, nursing, physiotherapy and psychosocial input into patient care. This includes specialised support including diagnosis, factor replacement therapy, musculoskeletal and orthopaedic assessment, management, care and support in relation to blood borne viruses, genetic counselling and psychosocial support.

## Supervised Post-graduate Research Students

Name	Current Studies University <i>(duration)</i>	Research Project Title	Supervisors <i>(RBWH staff in bold)</i>
Nienke Zomerdijk	PhD, School of Medicine, UQ	The psychosocial impact of allogeneic stem cell donation on adult sibling donors	<b>Jane Turner, Geoff Hill</b>
Andrea Henden	PhD – UQ	Interferon in BMT	<b>Geoff Hill, Steven Lane</b>
Rebecca Austin	PhD	Immune responses in AML	<b>Steven Lane, Mark Smyth</b> (QIMR Berghofer)
Therese Vu	PhD	Jak2 V617F driven MPN	<b>Steven Lane, Geoff Hill</b>
Olivia Hollingdrake	Masters Public Health	Haemophilia and age-related comorbidities: Do men with haemophilia consult a General Practitioner for men's health checks?	Lisa Fitzgerald

## Research Fellows

Name	Type of Fellowship	Research Program	University <i>(years)</i>
Geoff Hill	Qld Health Senior Clinical Research Fellow; NHMRC Australia Fellow; NHMRC Senior Principal Research Fellow; NHMRC Honorary Practitioner Research Fellow, Clinical Director, Qgen Cell Therapeutics Coordinator, Cancer Program, QIMR Berghofer, Laboratory Head, Senior Scientist, QIMR Berghofer	Transplant immunology	2011–2020
Steven Lane	NHMRC Career Development Fellow, Clinical Grade	Preclinical development of novel treatments for patients with blood cancer	2014–2017
Fraser Wright	Clinical Fellowship in Haematology/BMT	Departmental clinical research projects	



## Haematology, Bone Marrow Transplant and Haemophilia *(cont)*

### Current RBWH Led Research Activity

RBWH Lead Researchers	Collaborative Researchers <i>(RBWH staff in bold)</i>	Research Project Title
Geoff Hill, Glen Kennedy	QIMR Berghofer, Royal Melbourne Hospital, Westmead Hospital, St Vincent's Hospital, Royal Perth Hospital	A phase III randomized study of humanized anti-IL-6 receptor antibody Tocilizumab (TCZ) to prevent development of acute graft versus host disease (GVHD) post HLA-matched allogeneic haematopoietic progenitor cell transplantation (HPCT)
Siok Tey, Geoff Hill	QIMR Berghofer	A phase I study of haploidentical haematopoietic stem cell transplantation with gene-modified T cell addback
Nick Weber, Glen Kennedy, Jeffrey Lipman, Jason Roberts, Brett McWhinney, Jacobus Ungerer	UQ	Evaluation of pharmacokinetic and clinical outcomes with standard empiric beta-lactam antibiotic dosing strategies in patients with febrile neutropenia being treated with intensive chemotherapy for haematological malignancies, including assessment of alterations in renal clearance in the setting of sepsis
Midori Nakagaki, Michael Barras, Cameron Curley, Glen Kennedy		A randomised trial of olanzapine and palonosetron versus infused ondansetron for the treatment of chemotherapy-induced nausea and vomiting (CINV) in patients undergoing haematopoietic stem cell transplantation (HSCT)
Sarah Andersen, Nick Weber, Marilyn Banks, Glen Kennedy	Geoff Hill, QIMR Berghofer	A randomised controlled comparison of enteral versus parenteral nutritional support post allogeneic haematopoietic cell transplantation
Geoff Hill, Glen Kennedy		A phase I/II study of pegylated-Interferon-2alpha for relapsed haematological malignancy after allogeneic haematopoietic progenitor cell transplantation (HPCT)
Geoff Hill	QIMR Berghofer	Observational study of IL-17-related cytokines in stem cell transplantation
Geoff Hill, Siok Tey, Glen Kennedy	QIMR Berghofer	Observational study of immune reconstitution following stem cell transplantation
Geoff Hill, Siok Tey	QIMR Berghofer	Developing a method to generate regulatory T cells from healthy donors
Emma Taylor, Kirk Morris Glen Kennedy		Institutional review of FLT3-ITD+ AML : the role of FLT3 allelic ratio and allogeneic transplantation
Heshani Mediwake, Kirk Morris, Glen Kennedy		Evaluation of the use of brentuximab vedotin as bridge to stem cell transplantation for patients with relapsed / refractory CD30+ Hodgkin lymphoma and anaplastic large cell lymphoma
Ashleigh Scott, Kirk Morris, Glen Kennedy	Anthony Mills, PAH	Treatment of aplastic anaemia with lower dose anti-thymocyte globulin (ATGAM) produces similar response rates and survival as per standard dose ATGAM schedules
Mimi Yue, Joel Collins, Elango Subramoniapillai, Kirk Morris, Glen Kennedy		Use of oseltamivir in managing a nosocomial outbreak of influenza A in a haematology and allogeneic stem cell transplant unit
Joel Collins, Cameron Curley, Kirk Morris K, Glen Kennedy		Hodgkin lymphoma: outcome of a total lymphoid irradiation, cyclophosphamide and etoposide based autologous stem cell transplant regimen in primary refractory/early relapsed disease

## Haematology, Bone Marrow Transplant and Haemophilia (cont)

### Other Current Collaborative Research Activity

Collaborative Lead Researchers	RBWH Researchers	Research Project Title
Andrew Wei (The Alfred Hospital, Melbourne)	Glen Kennedy	Australasian Leukaemia and Lymphoma Group National Blood Cancer Registry
Andrew Wei (The Alfred Hospital, Melbourne)	Glen Kennedy	Sorafenib in Combination with Intensive Chemotherapy for Previously Untreated Adult FLT3-ITD Positive AML: A Phase 2 Randomised Double-Blind Placebo Controlled Multi-Centre Study
Simon Fleming (The Alfred Hospital, Melbourne)	Glen Kennedy	Clinical relevance of partial response in the marrow (PRm) after failure of induction chemotherapy for adults with acute myeloid leukemia (AML)
Ashish Bajel (Royal Melbourne Hospital)	Glen Kennedy	Outcomes of allogeneic stem cell transplantation for chronic myeloid leukemia in Australia – a national multicentre collaboration
C Chuea (Peter MacCallum Cancer Centre, Melbourne)	Glen Kennedy	Use of high dose methotrexate to prevent CNS relapse of diffuse large B-cell lymphoma
Peter Mollee (PAH)	Kirk Morris	“Real World” review of efficacy and safety of pomalidomide in Australian patients with relapsed refractory myeloma

### Research Awards and Achievements

Recipient	Award	Event
Geoff Hill – Director of Research RBWH	Fellow Australian Academy of Health and Medical Science	
Steven Lane – Clinical Haematologist, RBWH	2015 Mercator Fellow	Otto Von-Guerike University Hospital, Magdeburg, Germany
Steven Lane – Clinical Haematologist, RBWH	Bupa research award, finalist	



## Medical Oncology



**Dr David Wyld**  
Director  
Medical Oncology

The Cancer Care Services Medical Oncology (MO) Department, as well as providing clinical services to the Metro North HHS district, acts as a major tertiary referral centre in Queensland. It has an ongoing, active clinical research program, which continues to expand and develop each year. The unit's research program has a number of different components, each of which has progressed in 2015, only a few of which I can highlight in this summary

Firstly the MO clinical trials unit, which is widely recognized as a service that conducts exceptionally high quality clinical research, is resulting in the unit collaborating in an increasing number of studies in 2015. 18 new studies commenced in 2015, 12 studies were completed and archived, and there were a total of 96 studies active, with 621 patients managed on a clinical trial protocol in 2015. That the unit could undertake this number of clinical trials, and conduct them at such a high standard, is directly related to the quality of the staff involved at all levels, particularly the clinical trials research staff and the Medical Oncologists involved. Many of these trials offer our patients access to new therapies not otherwise available, and all help advance knowledge to help improve outcomes for patients in the future.

Dr Elizabeth Ahern, who completed her Medical oncology training in the department at RBWH in 2014, commenced her PhD at QIMR Berghofer in 2015, under the supervision of Dr Mark Smyth and Dr Michele Teng. Her research focuses on the rapidly expanding field of immunotherapy in solid organ malignancies, and has helped enhance links between the MO unit at RBWH and QIMR Berghofer, particularly in the field of Immunology in cancer.

The final results of a major RBWH based project, led by Dr Matthew Burge, assessing the utility of FDG PET scanning in the preoperative staging of potentially operable pancreatic cancer, was published in 2015. Not only did the study provide clear evidence for the benefit to patients of performing such imaging, but it demonstrated the ability of RBWH researchers in a variety of different departments to undertake a significant collaborative research project together. The prospective study was led by the Medical Oncology research unit, in close collaboration with the Hepatobiliary Surgical Unit and the Nuclear Medicine Department.

In addition, in 2015 the unit has, in collaboration with sociology colleagues at the University of NSW, led by Professor Alex Broom, developed a new qualitative research program within our Service. Projects to date include a study aiming to provide a better understanding of and assist in improving social support amongst women with cancer, an ongoing study investigating the changing landscapes of survivorship in cancer patients- a sociological study of cancer, and a separate qualitative study of neuroendocrine patients' experiences of living with rare tumours. In November Dr Zarnie Lwin and Dr David Wyld represented RBWH as invited speakers at a UNSW conference – Cancer and Palliative Care: Suffering, Hope, Survivorship.

Even just these few examples show the ongoing expansion of the CCS Medical Oncology department's research work, and demonstrate the potential for further future expansion of the unit's research efforts with new partners, both within the Herston precinct and beyond.

## Medical Oncology (cont)

### Supervised Post-graduate Research Students

Name	Current Studies University <i>duration</i>	Research Project Title	Supervisors ( <i>RBWH staff in bold</i> )
Elizabeth Ahern	PhD UQ (2015–)	Targeting RANK/RANKL in combination immunotherapy using murine and translational models of melanoma, prostate and other solid organ malignancies	Mark Smyth, Michele Teng, <b>David Wyld</b>
Teresa Brown	PhD UQ	A randomised comparison of early prophylactic feeding via gastrostomy versus standard care in high risk patients with head and neck cancer	<b>Brett Hughes, Merrilyn Banks</b> , Judy Bauer

### Current RBWH Led Research Activity

RBWH Lead Researchers	Collaborative Researchers ( <i>RBWH staff in bold</i> )	Research Project Title
Brett Hughes	<b>Rahul Ladwa, Wen Xu, Zarnie Lwin, Alexander Ritchie, Karin Steinke, Sandro Porceddu, Daniel Thani</b>	Adherence to follow up of solitary pulmonary nodules in newly diagnosed head and neck malignancies treated with curative intent
David Wyld	<b>Matte Burge, Zarnie Lwin</b> , Alex Broom (UQ), <b>Stephanie Plage</b> , Emma Kirby (UQ), <b>Helen McDade, Annette Cubitt</b> ,	NET: Cancer on the margins: <i>A qualitative study of neuroendocrine patients' experiences of living with rare tumours</i>
Zarnie Lwin	<b>David Wyld, Annette Cubitt</b> , Alex Broom (UQ), Emily Stephens (UQ), Emma Kirby (UQ), Jon Adams (Univ. Sydney)	Understanding and improving social support amongst women with cancer: a qualitative study
Zarnie Lwin	<b>David Wyld, Stefanie Plage</b> , Katherine Kenny (Univ. NSW), Alex Broom (UQ) Emma Kirby (UQ)	The changing landscapes of survivorship: A sociological study of cancer
Matt Burge	<b>Melissa Eastgate, Jeffrey Goh, Alison Hadley, Kathleen Houston, Amit Sharma, David Wyld</b>	TRACC (Biogrid): Study of Clinical Outcomes and Analysis of Bevacizumab use in Metastatic Colorectal Cancer
Matt Burge	<b>Barbara Leggett, Vicki Whithall, David Wyld, Melissa Eastgate, Zarnie Lwin, Jeffrey Goh, Alison Hadley, Brett Hughes, Po-Ling Inglis</b> , Sudhakar Reddy (Rockhampton) Vemula, Bahran Forouzesh (Rockhampton)	The Royal Brisbane and Women's Hospital and TPCB metastatic Colorectal Cancer database: <i>A prospective observational cohort study examining clinical and molecular biomarkers</i>
Teresa Brown	<b>Brett Hughes, Merrilyn Banks, Elizabeth Kenny, Charles Lin</b>	PEG Study — A randomized comparison of early prophylactic feeding via gastrostomy versus standard care in high risk patients with head and neck cancer
Michelle Nottage	<b>Alessandra Francesconi, Kathleen Houston, Brett Hughes, Lizbeth Kenny, Charles Lin</b>	CRUST — A prospective study investigating the impact of the definitive chemoradiation in locally and/or regionally advanced squamous cell carcinoma of the skin
Raymond Chan	<b>Sarah Northfield, Emily Larsen</b> , Gabor Mihala, Amanda Ullman, <b>Nicole Marsh, Peter Hancock, David Wyld, Anthony Allworth</b> , Nahid Choudhury, Claire Rickard	The effectiveness of dressing and securement devices for peripherally inserted central catheters in an acute care setting: a pilot multi-arm randomised controlled trial. (the CASCADE Trial)
Elise Button	<b>Gillian Nasato, David Wyld, Patsy Yates, Eileen Fennelly, Danielle Johanson, Jenni Leutenegger, Erin Downs, Rae Blades, Jadwiga Chabrowska, Michael Smith, Sarah Northfield, Nicole Gavin, Sally Jones</b>	RBWH Cancer Care Services model of care: working to reduce avoidable emergency presentations and hospitalisations
Raymond Chan	<b>Patsy Yates</b> , Jane Turner (UQ), <b>Brett Hughes</b>	Development and evaluation of a tailored fatigue self-management behavioural intervention for patients with advanced cancer
Nicole Gavin	<b>Gillian Nasato, Nicole Marsh, Emily Larsen, Sarah Northfield, Glen Kennedy, David Wyld, Michael Smith, Krispin Hajkowicz, Trent Atkinson, Barbara Hewer, Fiona Coyer, Alison Alexander, Patsy Yates</b> , Peter Mollee	Central Venous Access Device Registry
Sue Patterson	<b>Raymond Chan, David Wyld</b>	Optimising recruitment into Randomised controlled trials in Mental health and cancer care
Ben Chua	<b>Po Inglis, Zarnie Lwin, Lindy Jeffree</b>	Retrospective analysis of FDG-PET in glioma

Medical Oncology (cont)

Other Current Collaborative Research Activity

Collaborative Lead Researchers	RBWH Researchers	Research Project Title
Rachel Neale (QIMR Berghofer)	David Wyld	Describing patterns of care in pancreatic cancer – <i>A population-based study</i>
Jane Turner (UQ)	Patsy Yates, Liz Kenny, Brett Hughes, Raymond Chan	Improving quality of life in high-risk cancer populations: a randomised trial of a structured intervention for head and neck cancer survivors
Jane Turner (UQ)	Brett Hughes	Enhances Study: <i>Enhancing Head And Neck Cancer Patient's Experiences of Survivorship</i>
Debra Anderson (QUT)	Patsy Yates, Raymond Chan, Jeffrey Goh, Po-Ling Inglis	Younger women’s wellness after cancer program
Esther Sim (PAH)	Jeff Goh, Philip Chan, Lee Tripcony	Multi-institutional retrospective analysis of high-intermediate and high-risk endometrial cancer treated with chemo-radiotherapy versus radiotherapy alone





# Radiation Oncology

It has been a productive year for cancer research in Radiation Oncology at RBWH.

The Radiation Oncology Department provides radiotherapy services for patients from a wide geographic area. In addition to patients from Metro North, we service outreach clinics at Rockhampton, Longreach, Hervey Bay, TPCB, Redcliffe and Caboolture Hospitals. Although several rural centres have now opened radiotherapy departments, we continue to provide tertiary care for patients in these areas and at Lady Cilento Children's hospital. Our philosophy includes collaborative research and high quality assurance standards via investigator initiated projects.

The installation of modern radiotherapy technology has provided a platform for physics research, and many investigator initiated projects have been developed. Our brachytherapy service has been expanded to include paediatric patients.

Our therapy team have implemented patient education and radiation oncology information using electronic tablets. In 2015 we saw the introduction of new radiation treatment techniques including IMRT and VMAT that spare critical normal tissues and deliver high doses of radiation treatment. These require high level process planning and quality assurance activities.

We are proud to be able to collaborate widely with local, national and international organisations. These include QUT, Princess Alexandra Hospital (PAH) and Mater Radiation Oncology Centre (Metro South), Genesis Cancer Care Queensland, Chris O'Brien Lifehouse, William Buckland Radiation Oncology (Alfred Hospital), RMIT University and University of Sydney.

We are grateful for our donors including the Cancer Council of Queensland who continue to make funds available to support our work. We are particularly proud of our success in highly competitive National Health and Medical Research Council (NHMRC) grants.

## Supervised Post-graduate Research Students

Name	Current Studies University (duration)	Research Project Title	Supervisors (RBWH staff in bold)
Andre Asena	PhD, QUT (2013–2016)	Dose distributions in the vicinity of high-density materials in radiotherapy	<b>Scott Crowe</b> , Tanya Kairn, Jamie Trapp
Diana Binny	PhD, QUT (2015–2021)	Optimizing patient plan deliveries by characterizing treatment planning systems in radiotherapy	<b>Scott Crowe</b> , Tanya Kairn, Jamie Trapp
Orrie Dancewicz	PhD, QUT (2014–2018)	Development and verification of a novel 3D dosimetry technique for tomotherapy	<b>Scott Crowe</b> , Tim Markwell, Jamie Trapp
Craig Lancaster	Masters, QUT (2015)	Clinical implementation of a gel dosimetry system	<b>Steven Sylvander</b>
Timothy Liu	MPhil	Oral Squamous Cell Carcinoma with intermediate risk factors	<b>Ben Chua</b>
Samuel Peet	Masters, QUT (2015–2016)	Estimating dose to cardiac pacemakers and cardioverter-defibrillators in radiation oncology patients	<b>Phil Back</b> , <b>Scott Crowe</b> , Tanya Kairn, <b>Rachael Wilks</b>
Benjamin Perrett	Masters, QUT (2015)	3D printing of air slab caps for correction free small field diode measurements	Paul Charles, <b>Scott Crowe</b> , Tim Markwell
Zac Pross	Masters, QUT (2015–2016)	Monte Carlo simulation of radiological properties of Fricotan moulding material for brachytherapy	<b>Scott Crowe</b> , <b>Craig Lancaster</b> , <b>Sanna Nilsson</b>
Johnny Morales	PhD, QUT (2011–2017)	Independent Monte Carlo analysis for stereotactic radiosurgery treatments	<b>Scott Crowe</b> , Jamie Trapp
Shaun Smith	PhD, QUT (2013–2016)	Development of three-dimensional dosimetry for radiotherapy	<b>Scott Crowe</b> , Kye-Simeon Masters, Jamie Trapp
Patrick Stevenson	Masters, QUT (2015)	Measuring small field output factors	<b>Diana Binny</b> , <b>Scott Crowe</b> , <b>Steven Sylvander</b>

## Radiation Oncology (cont)

### Current RBWH Led Research Activity

RBWH Lead Researchers	Collaborative Researchers (RBWH staff in bold)	Research Project Title
Roger Allison	<b>Robin Mortimer, Donald McLeod</b>	Multidisciplinary thyroid cancer clinic. 6 <sup>th</sup> Multidisciplinary update on thyroid and parathyroid surgery
Phil Back, Craig Lancaster, Zoë Moutrie, Sanna Nilsson	Zac Pross (QUT)	Developing an applicator for gynaecological brachytherapy treatments
Catherine Bettington	<b>Michelle Grogan</b>	A single arm prospective study of the effect of preoperative chemoradiotherapy on sexual dysfunction in men with locally advanced rectal cancer
Jemma Blyth, Kurt Burrows, Martin Seng		Development of the digital information package for the Head and Neck Patient Education: IPAD patient information kiosk – <i>Bridging patient education through visual applications</i>
Jemma Blyth, Ben Chua, Julie-Anne Outhwaite, Diane Ost, Lee Heseltine, Daniel Bryant	<b>Greg Rattray, Nick Golusin, Steve Sylvander, Rob McDowall, Craig Lancaster, Philip Chan, Gary Pratt, Catherine Bettington, Graeme Dickie</b>	Implementation of SABR lung @ CCS RBWH
Jemma Blyth, Anthony Pagidas, Alice Grigg, Adrian Celati, Kim Pidcock, Jemma Devereaux	<b>Allison Dry</b>	Development and implementation of DIBH (Deep Inspiration Breath Hold) @ CCS RBWH
Jemma Blyth, Joshua Runham	<b>Kurt Burrows, Martin Seng</b>	Radiation Oncology Information Patient Education: <i>Utilising iPads for patient information and communication</i>
Jemma Blyth, Christopher Walsh, Michelle Grogan	<b>Christopher Ahern</b>	Dosimetric impact caused by change in breast patient contour during Radiation Therapy
Philip Chan	<b>Paul Thomas, Graeme Dickie, Gary Pratt, Robyn Cheuk, Aravind Ravi Kumar, Jye Smith, Stephen Taylor</b>	Prognostic Value of Assessing Hypoxia in Tumours Using 18FMISO PET During a Course of Radiation Therapy – Proof of Concept Study
Ben Chua	<b>Hon Trinh, Laura Moroney, Jane Crombie</b> , Elizabeth Ward (UQ), <b>Lee Tripcony, Kevina Choma, Graeme Dickie</b>	Retrospective analysis of survival and swallowing outcomes in hypopharyngeal cancer treated with IMRT
Ben Chua	Po Inglis, Zarnie Lwin, Lindy Jeffree	Retrospective analysis of FDG-PET in glioma
Scott Crowe	Tanya Kairn (Genesis Cancer Care)	Women in the medical physics workforce
Scott Crowe, Sanna Nilsson, Steven Sylvander	Tim Markwell (Mater Centre), Tanya Kairn (Genesis Cancer Care), Benjamin Perrett (PAH), Ben Harris (PAH)	Women in the medical physics workforce
Scott Crowe, Rachael Wilks, Steven Sylvander	Venkata Seshadri (PAH), Tanya Kairn (Genesis Cancer Care), Bess Sutherland (Genesis Cancer Care)	Investigation of relationship between radiotherapy treatment complexity and accurate delivery
Jemma Devereaux	<b>Jemma Blyth</b> , Elena Blyth (UQ), Cathy Hargrave (Mater), <b>Jacqui Keller, Raymond Chan</b> , Radiation Oncologist TBD	DIBH-BEST (Deep Inspiration Breath Hold Breath-hold Endurance Spirometer Trial)
Graeme Dickie	Jonathon Askew, <b>Lee Tripcony, Tuan Ha</b>	Stage 1 glottic cancer treated with radiotherapy
Graeme Dickie, Paul Thomas	<b>Olivia Bennett, Lesli Kudge</b>	PSMA PET – Impact of PSMA PET on radiotherapy planning in high risk prostate cancer
Yovanna Durga	<b>Selina Harris, Shayne Etherton</b>	Tomotherapy Head and Neck Adaptive Radiotherapy Study

## Radiation Oncology *(cont)*

### Current RBWH Led Research Activity *(cont)*

RBWH Lead Researchers	Collaborative Researchers <i>(RBWH staff in bold)</i>	Research Project Title
Shayne Etherton Selina Harris	<b>Yovanna Durga, Greg Rattray,</b> Cathy Hargrave (Mater)	Tomotherapy Planned Head and Neck Adaptive Study
Chloe Hoffman	<b>Allison Dry</b>	RION: Radiation Induced Optic Neuropathy
Chloe Hoffman	<b>Allison Dry</b>	The use of HDR Brachytherapy in a Paediatric Peri-Anal Rhabdomyosarcoma
Adam Husak	<b>Allison Dry</b>	Respiratory Monitoring and control in the thorax: what is out there?
Lindy Jeffree Michael Fay	Jennifer Martin (University of Newcastle), <b>Alan Coulthard,</b> <b>Paul Thomas,</b> Stephen Rose (CSIRO)	Evaluation of the role of valproate in the treatment of high grade glioma
Marika Lathouras	<b>Greg Rattray, Selina Harris</b>	Shaped Breast and Chest Wall Treatments on Tomotherapy
Laura Moroney	<b>Ben Chua</b>	Swallowing outcomes for parotid and skin cancer patients
Laura Moroney, Jane Crombie	<b>Ben Chua</b>	Swallowing outcomes of patients treated with helical IMRT compared to 3DCRT
Julie-Anne Outhwaite, Brianna McCoola, Marika Lathouras		An Evaluation of the Radiation Oncology Paediatric Group and the Standard of Care provided during Radiation Therapy: Does the RBWH Cancer Care Services provide appropriate care for Paediatric patients in preparation for Radiation Therapy?
Julie-Anne Outhwaite, Debra Vincent		PDR Brachytherapy (Pulse Dose Rate) Recoding in Mosaic (incl prescription treatment and summary)
Luke Smith		Comparison of techniques limiting treated rectal volumes during external beam radiotherapy for prostate cancer: a feasibility study of Hydrogel in reducing incidence and severity of rectal toxicities
Kate Stewart	<b>Greg Rattray</b>	Five years of Tomotherapy at Royal Brisbane: <i>A review</i>
Kate Stewart, Lizbeth Kenny, Greg Rattray	<b>Rob McDowall, Vicky Lightfoot,</b> <b>Craig Lancaster</b>	MIM- Medical Imaging Information system – <i>Implementation of Deformable Registration</i>
Steven Sylvander	<b>Rob McDowall, Vicky Lightfoot,</b> <b>Craig Lancaster</b>	Comparison of image quality for radiochromic and radiographic film. Engineering and Physical Sciences in Medicine
Steven Sylvander	<b>Craig Lancaster, Scott Crowe</b>	Initial results from testing TruView radiochromic gel. Engineering and Physical Sciences in Medicine

### Other Current Collaborative Research Activity

Collaborative Lead Researchers	RBWH Researchers	Research Project Title
Elizabeth Brown (PAH)	Selina Harris	Multi-centre Study of Potential Triggers that identify the need for Adaptive Radiotherapy for Head and Neck Patients: Tomotherapy and VMAT
Elizabeth Brown (PAH), Sandro Porceddu (PAH)	Charles Lin	Predicting the need for adaptive radiotherapy in head and neck cancer
Paul Christie (University of Newcastle)	Philip Chan	OPAL A randomised controlled trial of online versus telephone-based information and support: Can electronic platforms deliver effective care for lung cancer patients?
Samuel Douthwaite (CGUH hospital)	Ben Chua	Primary trans-oral surgical management of early tonsillar squamous cell carcinoma followed by risk-adapted radiotherapy
Gerald Fogarty (St Vincent's Hospital)	Roger Allison	WBRT – ANZMTG 01/07 TROG 08.05 Whole Brain Radiotherapy following local treatment of intracranial metastases of melanoma – <i>A randomised phase III trial</i>
Soumya Ghose (CSIRO), Jason Dowling	Philip Chan	A review of segmentation and deformable registration methods applied to adaptive cervical cancer radiation therapy treatment planning



## Radiation Oncology (cont)

### Other Current Collaborative Research Activity (cont)

Collaborative Lead Researchers	RBWH Researchers	Research Project Title
Esther Sim (PAH)	Jeff Goh, Philip Chan, Lee Tripcony	Multi-institutional retrospective analysis of high-intermediate and high-risk endometrial cancer treated with chemo-radiotherapy versus radiotherapy alone
Kumar Gogna (RO Services – Mater Centre)	Catherine Bettington	A single arm, prospective Phase II study of Split-Course Pelvic Radiotherapy for Locally Progressive, Castrate Resistant Prostate Cancer
Peter Gorayski (ROC), Michael Poulsen (RO Services – Mater Centre)	Lee Tripcony	Chemotherapy compliance in high-risk Merkel cell carcinoma treated with chemoradiotherapy
Peter Graham (St George Hospital)	Robyn Cheuk	STARS - TROG 08.06 A randomised comparison of anastrozole commenced before and continued during adjuvant radiotherapy for breast cancer versus anastrozole and subsequent anti-oestrogen therapy delayed until after radiotherapy
Tanya Kairn (Genesis Cancer Care), Paul Charles (PAH), Johnny Morales (Chris O'Brien Lifehouse), Jamie Trapp (QUT)	Scott Crowe	Small field radiotherapy dose measurements
Pearly Khaw (PMCC)	Robyn Cheuk	TROG 08.04 ANZGOG PORTEC-3 STUDY - A Randomised phase III trial comparing concurrent chemoradiation and adjuvant chemotherapy with pelvic radiation alone in high risk and advanced stage endometrial carcinoma
David Lamb (Wellington Hospital, New Zealand)	Lizbeth Kenny	TROG 03.04 – A Randomised Trial Investigating the Effect on Biochemical (PSA) Control and Survival of Different Durations of Adjuvant Androgen Deprivation in Association with Definitive Radiation Treatment for Localised Carcinoma of the Prostate (RADAR)
Margot Lehman (PAH)	Philip Chan	P LUNG - TROG 11.03 A randomised phase III trial of High Dose Palliative Radiotherapy (HDPRT) versus concurrent Chemotherapy HDPRT (C-HDPRT) in patients with good performance status, locally advanced / small volume metastatic NSCLC not suitable for radical chemo-radiotherapy
Karen Lim (Liverpool Hospital)	Philip Chan	Developing methods to allow adaptive radiotherapy for gynaecological cancers with MRI (cervix)
Michael MacManus (PMCC)	Gary Pratt	TROG 05.02 A prospective single arm trial of involved field radiotherapy alone for stage I-II low grade non-gastric marginal zone lymphoma
Sandro Porceddu (PAH)	Lizbeth Kenny	TROG 14.03 (1219-ROG-HNCG) A blind randomized multicenter study of accelerated fractionated chemo-radiotherapy with or without the hypoxic cell radiosensitizer nimorazole (Nimoral), using a 15 gene signature for hypoxia in the treatment of squamous cell carcinoma of the head and neck
Michael Poulsen (RO Services – Mater Centre)	Graeme Dickie	MP3 – TROG 09.03 A Phase II Efficacy Study of Chemo-radiotherapy in PET Stage II and III Merkel Cell Carcinoma of the Skin TARGET 38/50
Nirmala Pandeya (QIMR Berghofer)	Roger Allison	Increasing thyroid cancer incidence in Queensland, Australia 1982 – 2008
Chamindie Punyaderra (QUT)	Lizbeth Kenny, Graeme Dickie, Benjamin Chua, Charles Lin	A simple saliva test to diagnose head and neck cancer at an early stage – <i>head and neck cancer detection is a spitting distance away (TARGET 20)</i>
Danny Rischin (PMCC)	Lizbeth Kenny	TROG 12.01 A randomised trial of Weekly Cetuximab And Radiation Versus Weekly Cisplatin and Radiation in Good Prognosis Locoregionally Advanced HPV-Associated Oropharyngeal Squamous Cell Carcinoma (TARGET 200)
Gail Ryan (PMCC)	Roger Allison	TROG 06.01 Primary chemotherapy with Temozolomide vs. Radiotherapy in patients with Low Grade Gliomas after stratification for genetic 1P loss: <i>A phase III Study</i>
Penny Schofield (PMCC)	Robyn Cheuk	PeNTAGOn Peer and Nurse support Trial to Assist women in Gynaecological Oncology

## Radiation Oncology *(cont)*

### Current RBWH Led Research Activity *(cont)*

RBWH Lead Researchers	Collaborative Researchers <i>(RBWH staff in bold)</i>	Research Project Title
Esther Sim (PAH)	Jeff Goh, Philip Chan, Lee Tripcony	Multi-institutional retrospective analysis of high-intermediate and high-risk endometrial cancer treated with chemo-radiotherapy versus radiotherapy alone
Jamie Trapp (QUT), Andre Asena (QUT), Shaun Smith (QUT), Tanya Kairn (Genesis Cancer Care)	Scott Crowe, Craig Lancaster	Gel dosimetry in radiation therapy
Shalini Vinod (Liverpool Hospital)	Philip Chan	Dosimetric Consequences of Uncertainties in High-Risk CTV (HR CTV) Delineation for Cervical Cancer Brachytherapy
Scott Williams (PMCC)	Philip Chan	ENZARAD: Randomised phase 3 trial of enzalutamide in androgen deprivation therapy with radiation therapy for high risk, clinically localised, prostate cancer

### Research Awards and Achievements

Recipient	Award	Event
Collaboration including Scott Crowe	Highest impact paper funded by Wesley Medical Research in 2015	Wesley Medical Research Annual Achievements Function, 24 <sup>th</sup> February 2016
Lizbeth Kenny	Adjunct Professor	School of medicine, UQ
The Bob Fitchew Award	ACPSEM-Q	Award named after Robert Fitchew – Physics achievements



## Cancer Nursing Professorial Precinct

The nursing team comprises of 257 nursing staff, providing quality nursing care across the Departments of Clinical Haematology and Bone Marrow Transplantation, Medical Oncology and Radiation Oncology, and the Queensland Haemophilia Centre. The growing demand for cancer care has presented a challenge for the nursing profession in its workload, workforce issues, and most importantly the need to provide innovative and cost-effective cancer care. Cancer nurses play an important and unique role in responding to the needs of people affected by cancer throughout the continuum of care, from prevention to survivorship, end-of-life care and bereavement. The cancer nursing research team was established in 2008 to provide an infrastructure for research and innovation and to ensure that our nursing care is world-class. In 2013, the Cancer Nursing Professorial Precinct was established, which is a strategic initiative of Cancer Care Services, RBWH and the School of Nursing, QUT. Through our strong collaboration with QUT and other research partners, the Precinct seeks to further improve outcomes for people affected by cancer through high quality clinical research and the delivery of evidence-based nursing care.

Cancer nurses at the RBWH are involved in research in a range of areas including intravenous access devices, prevention of blood stream infections, management of treatment induced short- and long- term toxicities, survivorship care and palliative care. The team is involved in national and international supportive cancer care research including a number of NHMRC funded projects. Cancer Care Services has a strong culture of nurses pursuing post-graduate study and research higher degree, enabling excellence in delivery of nursing care. Each research project is patient-centred and seeks to improve the care of patients in clinical practice. The impact of the team can be demonstrated by the number of publications in prestigious multidisciplinary and nursing journals such as the European Journal of Cancer, Endocrine-related Cancer, Cochrane Database of Systematic Reviews, Cancer Nursing and International Journal of Nursing Studies.

During the year, several nurses commenced research higher degree courses and were awarded competitive scholarships. Other highlights include the commencement of quality improvement projects driven by the needs of the service line, such as the Central Venous Access Device (CVAD) Registry project and the Department of Emergency Medicine (DEM) Avoidance project. In addition, a randomised controlled trial (RCT), testing the feasibility of four dressing and securement methods to prevent peripherally inserted central catheter (PICC) failure (*entitled Central venous catheter Securement And Dressing Evaluation: The CASCADE Trial*) was completed, which has informed a full scale NHMRC-funded RCT (entitled Peripherally Inserted Central catheter dressing and Securement: the PISCES Trial). Another highlight is the international collaborations between RBWH cancer nurses and researchers from Memorial Sloan Kettering Cancer Center, USA and National University of Singapore, Singapore. These collaborations continue to enable the team to undertake cutting-edge research in the area of supportive cancer care.





## Cancer Nursing Professorial Precinct *(cont)*

### Supervised Post-Graduate Research Students

Name	Current Studies University <i>(duration)</i>	Research Project Title	Supervisors <i>(RBWH staff in bold)</i>
Elise Button	PhD	Identifying clinical indicators that signal a person with a haematological malignancy is at risk of deteriorating and dying	<b>Patsy Yates, Raymond Chan,</b> Shirley Chambers, <b>Jason Butler</b>
Alison Bowers	PhD	Models of care and care needs for Queensland Children Hospice	<b>Patsy Yates, Raymond Chan</b>
Sarah Northfield	Master of Applied Science (Research)	Identifying factors that influence specialist palliative care referrals for hospitalised patients with advanced cancer	<b>Patsy Yates, Raymond Chan,</b> John Rosenberg
Jenni Leutenegger	Master of Applied Science (Research)	Training models of teleoncology in nursing	<b>Patsy Yates, Raymond Chan</b>
Nicole Gavin	PhD	The safety of parenteral nutrition regarding microbial growth and vascular catheter-related infection (The FACT Study)	<b>Claire Rickard,</b> David MacMillan, <b>Samantha Keogh</b>
Julie Flynn	PhD	Decontamination of central venous catheter needleless connectors	<b>Claire Rickard, Samantha Keogh,</b> Li Zhang
Emily Larsen	Grad Dip of Health Research	N/A	<b>Samantha Keogh, Claire Rickard</b>

### Research Fellows

Name	Type of Fellowship	Research Program	University <i>(years)</i>
Raymond Chan	NHMRC Health Professional Research Fellowship	Development and evaluation of a tailored fatigue self-management behavioural intervention for patients with advanced cancer	QUT (2014-2017)

### Current RBWH Led Research Activity

RBWH Lead Researchers	Collaborative Researchers <i>(RBWH staff in bold)</i>	Research Project Title
Elise Button	<b>Gillian Nasato, David Wyld, Patsy Yates, Eileen Fennelly, Danielle Johanson, Jenni Leutenegger, Erin Downs, Rae Blades, Jadwiga Chabrowska, Michael Smith, Sarah Northfield, Nicole Gavin, Sally Jones</b>	RBWH Cancer Care Services model of care: working to reduce avoidable emergency presentations and hospitalisations
Elise Button	<b>Patsy Yates, Raymond Chan,</b> Shirley Connell, <b>Jason Butler</b>	Clinical indicators that identify risk of deteriorating and dying in people with a haematological malignancy
Raymond Chan	<b>Patsy Yates,</b> Jane Turner, <b>Brett Hughes</b>	Development and evaluation of a tailored fatigue self-management behavioural intervention for patients with advanced cancer
Raymond Chan	Alexandra McCarthy, Jackie Davinesh, Karen Sullivan, Alexandre Chan	Systematic review of pharmacological and non-pharmacological interventions to manage cognitive alterations after chemotherapy for breast cancer
Raymond Chan	<b>Sarah Northfield, Emily Larsen,</b> Gabor Mihala, Amanda Ullman, <b>Nicole Marsh, Peter Hancock, David Wyld, Anthony Allworth,</b> Nahid Choudhury, Claire Rickard	The effectiveness of dressing and securement devices for peripherally inserted central catheters in an acute care setting: a pilot multi-arm randomised controlled trial. (the CASCADE Trial)
Sue Patterson	<b>Raymond Chan, David Wyld</b>	Optimising recruitment to randomised controlled trials in mental health and cancer care: comparative case studies

## Cancer Nursing Professorial Precinct *(cont)*

### Current RBWH Led Research Activity *(cont)*

RBWH Lead Researchers	Collaborative Researchers <i>(RBWH staff in bold)</i>	Research Project Title
Nicole Gavin	<b>Gillian Nasato, Nicole Marsh, Emily Larsen, Sarah Northfield, Glen Kennedy, David Wyld, Michale Smith, Krispin Hajkowitz, Trent Atkinson, Barbara Hewer, Fiona Coyer, Alison Alexander, Patsy Yates,</b> Peter Mollee	Central Venous Access Device Registry
Nicole Gavin	<b>Claire Rickard,</b> David MacMillan, <b>Samantha Keogh</b>	The saFety of pArenteral nutrition regarding miCrobial growth and vascular catheTer-related infection (The FACT Study)
Julie Flynn	<b>Claire Rickard, Samantha Keogh,</b> Li Zhang	Decontamination of central venous catheter needleless connectors.
Sarah Northfield	<b>Patsy Yates, Raymond Chan,</b> John Rosenberg	Identifying factors that influence specialist palliative care referrals for hospitalised patients with advanced cancer
Jenni Leutenegger	<b>Patsy Yates, Raymond Chan</b>	Training models of teleoncology in nursing

### Other Current Collaborative Research Activity

Collaborative Lead Researchers	RBWH Researchers	Research Project Title
Jane Turner (UQ)	Patsy Yates, Liz Kenny, Brett Hughes, Raymond Chan	Improving quality of life in high-risk cancer populations: a randomised trial of a structured intervention for head and neck cancer survivors
Debra Anderson (QUT)	Patsy Yates, Raymond Chan, Geoff Goh, Po Inglis	Younger women's wellness after cancer program
Nahid Choudhury (Griffith University)	Raymond Chan, Nicole Gavin	Emergence of Chlorhexidine Tolerance in Bacteria associated with Catheter Related Infections.
Kaye Petherick, Judith McLean, Lowanna Dunn, Deborah Anderson, Cynthia Cliff, Marisha McAuliffe (QUT)	Alison Alexander, Gillian Nasato, Michael Smith, Ian Drake, Jodie Stewart, Glen Kennedy	Cancer Care Information Portal for Cancer Patients in Brisbane's Metro North Area

### Research Awards and Achievements

Recipient	Award	Event
Julie Flynn	Early Career Researcher 2015	Australasian College for Infection Prevention and Control
Nicole Gavin	Winner, Three Minutes of Fame 2015	RBWH Healthcare Symposium
Nicole Gavin	Best abstract	HAA Annual Scientific Meeting 2015
Nicole Gavin	Finalist, Three Minute Thesis	Griffith University Health Group Three Minute Thesis 2015

# Critical Care and Clinical Support Services



**Dr Mark Mattiussi**  
Executive Director  
Critical Care and Clinical Support  
Services



**Keeri McLoyd**  
Nursing Director  
Critical Care and Clinical Support  
Services

The Critical Care and Clinical Support Services clinical staff integrate research into their everyday clinical practice. They ensure their practices are evidenced based and enrol their patients into multicentre trials to provide them with ground breaking treatment and inform future health care guidelines and delivery.

The service line also has an active translation research and clinical trials agenda. Our world renowned researchers are nationally and internationally recognised for their work in Critical Care (*ICU, Emergency, Burns, Trauma, Military*) and in Persistent Pain research fields. Our Nursing, Medical and Allied Health researchers have been formally recognised for their achievements and a number have been awarded research and quality improvement awards. As a Critical Care and Clinical Support Service and by the nature of research, our teams collaborate and undertake research with other teams at RBWH, our university partners and other health services and research/educations organisations nationally and internationally.

We are proud of the research activities undertaken by our team and their collaboration with others. The details are highlighted in the sections for each department within this report. Some of the highlights include the research undertaken in the Department of Emergency Medicine which reflects the breadth of emergency care and includes research in headache, sepsis, social work, radiology, mental health, medication error, advanced health care, pneumothorax, alcohol, syncope, operations management, models of care and acute cardiac diseases. The Intensive Care Unit has a recent focus on trauma and blood products this year in addition to ongoing interests in pressure injury management and pharmacokinetics amongst other research interests in the critical care field. The Skin Integrity Service team have been involved in pressure injury research and have published in journals and text books on the maintenance and management of skin integrity. The Professor Tess Cramond Multidisciplinary Pain Centre continues to undertake research in collaboration with major universities and the Allied Health Services within RBWH. The Hyperbaric Medicine Service continues to progress research in hyperbaric therapy and chronic leg ulcers and in the management of sensorineural hearing loss.



## Department of Emergency Medicine

The Department of Emergency Medicine, RBWH has continued to achieve great research outcomes in the care of patients with acute conditions. With over 75,000 presentations in 2015, our focus has been to identify ways to improve emergency care in a timely and appropriate manner, and also to implement findings from research for the benefit of patients and the health service. Our research has resulted in 9 publications in 2015, as well as numerous invited speeches and conference presentations.

Director of Research, A/Prof Kevin Chu, actively encourages all contributions from the multi-disciplinary ED team members into research aimed at improving the provision of emergency medicine care. 17 new research projects were undertaken in DEM, including five that received grant funding. Reflecting the breadth of emergency care, our research topics include headache, sepsis, social work, radiology, mental health, medication error, advanced health care, pneumothorax, alcohol, syncope, operations management, models of care and acute cardiac diseases.

Prof Louise Cullen completed her PhD in accelerated chest pain assessment in 2015, and the department continues to supervise many post-graduate and undergraduate students.

### Supervised Post-graduate Research Students

Name	Current Studies University (duration)	Research Project Title	Supervisors (RBWH staff in bold)
D Flaws	PhD, UQ (2014–2016)	Decision Aid Derivation Methods for the Acute Coronary Syndrome management pathway	Louise Cullen
A Ho	MPhil, UQ (2016–)	Examination of troponin testing during implementation and post-implementation of accelerated chest pain assessment strategies: <i>A marker of translational research success</i>	Louise Cullen



## Department of Emergency Medicine *(cont)*

### Current RBWH Led Research Activity

RBWH Lead Researchers	Collaborative Researchers <i>(RBWH staff in bold)</i>	Research Project Title
Louise Cullen	Thomas Knowlman, <b>Jaimi Greenslade, William Parsonage, Tracey Hawkins, Lorcan Ruane, Paul Martin, Sandhir Prasad, Daniel Lancini</b>	The association of electrocardiographic abnormalities and acute coronary syndrome in emergency patients with chest pain
Louise Cullen	<b>Lorcan Ruane, Jaimi Greenslade, Will Parsonage, Tracey Hawkins, Chris Hammett,</b> Carolyn Lam Su Ping, Thomas Knowlman, Shelagh Doig, Clara Chow, Derek Chew	Differences in presentation, management and outcomes in women and men presenting to an Emergency Department with possible cardiac chest pain
Louise Cullen	<b>Jaimi Greenslade, William Parsonage, Daniel Lancini, Paul Martin, Sandhir Prasad.</b>	Atrial fibrillation in the emergency chest pain presentation: Additional analysis of cardiac chest pain studies
Louise Cullen	T Adikari, <b>Jaimi Greenslade, William Parsonage,</b> Y Sandoval, <b>Tracey Hawkins,</b> Shelagh Doig	Frequency, Features, Outcomes of Type 2 Myocardial Infarction versus Type 1 and Non Myocardial Infarction in Emergency Department Patients
Louise Cullen	<b>Anthony Brown, Jaimi Greenslade, Tracey Hawkins,</b> Peter O'Rourke, <b>William Parsonage,</b> Martin Than, Jillian Tate	Rapid assessment of cardiac chest pain: The Improved Assessment of Chest Pain trial (ImpACT): <i>A prospective validation study</i>
Louise Cullen	Julian Williams, <b>Jaimi Greenslade, Tracey Hawkins,</b> Matthew Jensen, Angela Hills, Paul Wynne, Emily Dalton	<u>C</u> annulation <u>R</u> ates in the <u>E</u> mergency <u>D</u> epartment: <i>an Intervention Trial (CREDIT)</i>
Louise Cullen	<b>Jaimi Greenslade, William Parsonage, Adam Scott,</b> Jacobus Ungerer, <b>Ariel Ho</b>	Examination of health care assessment practices and costs and troponin testing pre- and post- utilisation of accelerated chest pain assessment strategies: <i>A marker of translational research success.</i>
Kevin Chu	<b>Tegwen Howell,</b> Gerben Keijzers, Jeremy Furyk, Robert Eley, Frances Kinnear, Ogilvie Thom, Ibrahim Mahoud	Headache Investigation Snapshot Queensland
Kevin Chu	Ibrahim Mahoud, Jeremy Furyk, Gerben Keijzers, Robert Eley, Frances Kinnear, Ogilvie Thom, Tegwen Howell, Angus Hann	Spectrophotometry and visual inspection for xanthochromia: results from a four-year state-wide dataset
Kevin Chu	Tegwen Howell, Jeremy Furyk, Gerben Keijzers, Robert Eley, Frances Kinnear, Ogilvie Thom, Ibrahim Mahoud	Atraumatic subarchnoid haemorrhage: a prospective case series.
Kevin Chu	Ibrahim Mahmoud, Jacobus Ungerer	Haemolysis after a traumatic spinal tap: <i>a laboratory stimulation</i>
Anthony Bell	Roger O'Gorman	Reviewing equality of health care outcomes out-of-hours (REARCH study)
Anthony Bell	<b>John Burke</b>	State-wide model of emergency department care (SWAMP study)
Louise Cullen	Christian Mueller, <b>Jaimi Greenslade, William Parsonage</b>	Basel Syncope Evaluation – <i>Loss of Consciousness Study</i>
Alex Markwell	<b>Tegwen Howell,</b> Carol Windsor	Describing the experiences of Social workers in tertiary ED

### Other Current Collaborative Research Activity

Collaborative Lead Researchers	RBWH Researchers	Research Project Title
David Mountain (S.C.G.H. WA)	Kevin Chu	RESPECT-ED, rate of emboli and subs segmental PE form CT ordered by ED – multi-centre collaboration to look at variability, utility and futility

### Research Awards and Achievements

Recipient	Award	Event
Louise Cullen	Best Paper Award 1015	-



# Department of Hyperbaric Medicine Services

## Current RBWH Led Research Activity

RBWH Lead Researchers	Collaborative Researchers (RBWH staff in bold)	Research Project Title
Susannah Sherlock		Hyperbaric Oxygen Therapy in the Treatment of Sudden Sensorineural Hearing Loss: <i>A retrospective analysis of outcomes</i>
Kenneth Thistlethwaite		The effectiveness of hyperbaric oxygen therapy for healing chronic venous leg ulcers: <i>A randomised, double blind, placebo-controlled trial</i>
Tobias Trinks		Transcutaneous Oximetry Measurements of the Leg: <i>Comparing Different Measuring Equipment</i>





## Intensive Care Services

With over 2000 admissions annually to the RBWH Intensive Care Unit there is a high probability that families of admitted patients will be asked to participate in research at some time during the ICU stay. The unit is recognised as a leader in the management of sepsis, burns and infection and the facility is often approached to participate in research in these areas. The aim of our research is to ensure patients have access to the latest available interventions that improve patient outcomes.

Our commitment to continuing to providing a high level of service and care remains, with research being just one component of the care delivered.

In 2015 the research focus had a slight shift from previous years to include trauma and blood product use in the ICU setting. We committed to participating in a series of trauma related studies, including ENACT, Da Vinci, ADP-Trauma, PATCH and TBI Cortisol. This series of work will examine patient outcomes following trauma and the interventions these patient groups undergo during their hospital stay. It is anticipated that this work will evaluate and improve hospital length of stay and overall patient outcomes. Prof Michael Reade and project manager Renae Deans commenced the multi-centre randomised controlled trial of cryopreserved platelets versus conventional stored platelets study (CLIP) in three sites across Australia. This pilot study aims to demonstrate the efficacy and cost effectiveness of cryopreserved platelets in the management of active bleeding. Future studies will explore the use of these platelets for trauma patients in regional centres where access to stored platelets can be limited.

Intensive Care also saw the continuation of work that formed the focus of 2014, with the BLING II (*Beta-Lactam Infusion Group*) Study findings published in 2015, and planning for the BLING III study submission to the NHMRC commenced, continuing our commitment to improving patient management of sepsis in ICU.

### Supervised Post-graduate Research Students

Name	Current Studies University (duration)	Research Project Title	Supervisors (RBWH staff in bold)
Abdul Aziz Al-Obaid	PhD, UQ (2012–2016)	Continuous versus intermittent administration of beta-lactams in critically ill patients Pharmacokinetics of piperacillin tazobactam, meropenem and fluconazole in critically ill obese patients	<b>Jason Roberts (Pharmacy), Jeffrey Lipman (ICU)</b>
Judith Bellapart	PhD, UQ (2013–2016)	Cerebral microcirculation after head injury in bovine models	<b>Robert Boots</b>
Martha Druery	PhD, UQ (2014–2017)	Psychosocial outcomes post severe burn injuries in adults – <i>An exploratory study</i>	<b>Jeffrey Lipman</b>
Caleb Economou	PhD, UQ (2012–2017)	The pharmacokinetics of vancomycin, meropenem and ticarcillin in critically ill patients undergoing prolonged intermittent renal replacement therapy	<b>Jason Roberts (Pharmacy), Jeffrey Lipman (ICU)</b>
Julian Williams	PhD, UQ (2008–2016)	The sepsis registry: a prospective database to characterise and facilitate improved outcome for admitted patients with community acquired infection	<b>Jeffrey Lipman</b>
Gloria Wong	MBBS/PhD, UQ (2012–2017)	A pharmacokinetics-pharmacodynamic evaluation of beta-lactam antibiotic TDM guided dose adjustment in critically ill patients	<b>Jason Roberts (Pharmacy), Jeffrey Lipman (ICU)</b>
Victoria Eley	PhD, UQ (2014–2016)	Clinical guidelines relating to the anaesthetic management of obese parturients: An evaluation of their utility in clinical practice and the evidence supporting the recommendations	<b>Jeffrey Lipman</b>
Jayesh Dhanani	PhD, UQ (2015–2017)	Study of disposition of inhaled tobramycin	<b>Jeffrey Lipman</b>

## Intensive Care Services *(cont)*

### Current RBWH Led Research Activity

RBWH Lead Researchers	Collaborative Researchers <i>(RBWH staff in bold)</i>	Research Project Title
Jennifer Paratz	<b>Robert Boots</b> , Kellie Stockton	Exercise physiology post critical illness
John Gowardman	<b>Jennifer Paratz, Michael Muller</b>	Practices and complications associated with central venous and arterial catheterization in a burns population compared with a non burns group
Judith Bellapart		Exogenous melatonin in critically ill patients: the impact on sleep and ICU psychosis
Jennifer Paratz	<b>Robert Boots</b> , Justin Kenardy, Geoff Mitchell, <b>Tracy Comans</b> , <b>Fiona Coyer</b> , Paul Thomas	IMPOSE: Improving outcomes in sepsis – <i>A multidisciplinary outpatient follow up</i>
Anthony Holley	<b>Jennifer Paratz, Robert Boots</b>	Assessment of the microcirculation in shocked critically unwell patients during the first 24 hours of resuscitation (MICROSCAN)
Jennifer Paratz	<b>Michael Muller, Jason Roberts, John Younger, Jayesh Dhanani</b> , K Towsey	Does adrenergic blockade improve outcome in adult burns?
Jennifer Paratz	S Berney	Estim: Electrical stimulation and cycling in the sepsis patine. A double blinded randomized controlled trial
Jennifer Paratz	<b>Paul Thomas</b> , A Jones	Detection of secretions in ventilated patients waveform analysis
Jennifer Paratz	<b>Orlando Flores, Michael Muller, Jeremy Cohen</b>	Cortisol, metabolic and psychological outcomes in burns patients, a double blinded randomized controlled trial
Jennifer Paratz	<b>Michael Muller</b> , S Paul, J Youngman	Mortality and cardiovascular risk in the burns survivor
Jennifer Paratz	<b>Robert Boots, George Pang, Rajeev Hegde, Michael Muller, John Younger</b>	Inhalation injury and right heart failure in burns
Michael Reade	<b>Anthony Holley, Renae Deans</b>	A pilot multicentre blinded randomised controlled clinical trial of cryopreserved platelets vs. conventional liquid-stored platelets for the management of post-surgical bleeding: <i>The CLIP Trial</i>
John Gowardman		A randomised, double blind, placebo controlled, phase 3 study to assess the safety and efficacy of ART123 in subjects with severe sepsis and coagulopathy (ART-123)
Jeremy Cohen		A comparison of the total and free Cortisol response to a standard short synacthen test in patients with traumatic brain injury
John Gowardman		A prospective, randomised, double blind, multicentre, phase 3 study to assess the safety and efficacy of intravenous ceftolozane/tazobactam compared with meropenem in adult patients with ventilated nosocomial pneumonia (CUBIST VAP)
Steven O'Donoghue		Low molecular weight heparin in critically ill trauma patients: a dosing study (ENACT)
John Gowardman		Intravascular device administration sets: <i>Replacement after Standard Versus Prolonged use (RSVP)</i>
Michael Reade		A multi-centre randomised double blinded phase III trial of the effect of standard issue red blood cell blood units on mortality compared to freshest available red blood cell units (TRANSFUSE)
Jeremy Cohen		Adjunctive corticosteroid treatment in critically ill patients with septic shock: <i>The ADRENAL trial</i>
Robert Boots		Asthma Management in ICU Study (AMIIS)

## Intensive Care Services *(cont)*

### Current RBWH Led Research Activity *(cont)*

RBWH Lead Researchers	Collaborative Researchers <i>(RBWH staff in bold)</i>	Research Project Title
Steven O'Donoghue		Sedation Practices In Intensive Care Evaluation (SPICE III): <i>A prospective multicentre randomised controlled trial of early goal-directed sedation compared with standard care in mechanically ventilated critically ill patients</i>
Jason Roberts		SMARRT – <b>Sa</b> Mpling <b>A</b> ntibiotics in <b>R</b> enal <b>R</b> eplacement Therapy
Jeffrey Lipman		Relative hypotension and acute kidney injury in patients with shock: <i>A prospective multicenter cohort study (REACT Shock)</i>
Jennifer Paratz	<b>Jeffrey Lipman, Robert Boots</b>	Protective manual hyperinflation is safer and as effective as current practices
Jeffrey Lipman	<b>Jason Roberts, Andrew Udy, Robert Boots</b>	Antibiotic dosing in the “at risk” critically ill patient
Jeffrey Lipman	<b>Joel Dulhunty, Jason Roberts</b>	BLING II: A phase IIb randomised controlled trial of continuous beta-lactam infusion compared with intermittent beta-lactam dosing in critically ill patients
Robert Boots	<b>Jennifer Paratz, Jason Roberts</b>	Inhaled Prophylactic Heparin In Ventilator Associated Pneumonia (IPHIVAP)
Jeremy Cohen		Assessment of functional adrenal status in patients with septic shock (PIRATE Study)
Michael Reade		A randomised placebo-controlled trial of dexmedetomidine for agitation and delirium in the intensive care unit (Dexmedetomidine to Lessen ICU Agitation)
Jeffrey Lipman	Geoffrey Playford	Prospective surveillance of invasive fungal infections in Australian intensive care units
John Gowardman		The Paracetamol After Traumatic Brain Injury Study: The PARITY Study
Jason Roberts		Dose optimisation of fluconazole in critically ill patients





## Other Current Collaborative Research Activity

Collaborative Lead Researchers	RBWH Researchers	Research Project Title
A Alobaid	Jeffrey Lipman, Jason Roberts	An Investigation of the Pharmacokinetics of Piperacillin/Tazobactam, Meropenem and Fluconazole in Critically Ill Obese Patients

## Research Awards and Achievements

Recipient	Award	Event
Fiona Coyer	VC performance award 2015	
Anthony Holley	Meritorious Unit Citation for service with Task Group 66 Australian Operational Services Medal. (Middle East Region)	
Jennifer Paratz	Distinguished Research Medal	RBWH Symposium Oct 2015
Michael Reade	United States of America Army Commendation Medal	
Michael Reade	Operational Service Medal (Greater Middle East Area of Operations)	
Jason Roberts	Young Investigator Awards for Research in Clinical Microbiology and Infectious Diseases	ESCMID Feb 2015
Jeffrey Lipman	Elected to <i>"Fellow of Intensive Care Foundation"</i>	



## The Professor Tess Cramond Multidisciplinary Pain Centre

The Professor Tess Cramond Multidisciplinary Pain Centre is a tertiary centre at RBWH offering assessment and care to patients with persistent pain, malignant pain and burns pain. Research is focussed around the assessment and optimal management of pain, factors contributing to persistent pain and the consequences of persistent pain. Research within the unit is collaborative with major universities and the departments of physiotherapy, occupational therapy, psychology within the hospital. Students from UQ School of Pharmacy undertake quality use of medicine projects within the Multidisciplinary Pain Centre each year. Undergraduate honours students and postgraduate students from the allied health fields of psychology, physiotherapy and occupational therapy will often undertake research projects at the centre.

In 2015, Dr Nicole Andrews successfully completed her PhD and published four publications. One of her publications one won the PAIN most cited paper award for the year 2015. PAIN is the official publication of the International Association of the Study of Pain. PAIN has an impact factor of 5.213 and is ranked 1st for Eigenfactor and total citations in the Anaesthesiology journal category (*Thomas Reuters Journal Citation Reports, 2014*).

### Current RBWH Led Research Activity

RBWH Lead Researchers	Collaborative Researchers (RBWH staff in bold)	Research Project Title
Nicole Andrews	Jenny Strong, Pamela Meredith, <b>Julia Fleming</b> , Kellie Gordon, Karl Bagraith, Genevieve Donohue, Rachel D'Arrigo	An Exploration of Overactivity in Chronic Pain

### Research Awards and Achievements

Recipient	Award	Event
<b>Nicole Andrews</b> , Jenny Strong, Pamela Meredith, Kellie Gordon, Karl Bagraith	PAIN's 2015 most cited paper award	-



## Intensive Care Nursing Professorial Unit

The Intensive Care Nursing Professorial Unit (ICNPU) was established in 2014 as a joint partnership between nursing services in the Intensive Care Unit, RBWH and the School of Nursing, QUT. The ICNPU aim is to provide high level support for optimum continuing professional development of nurses and research to inform nursing practice in a specific clinical environment. Further, the ICNPU is a collaboration between clinical nursing leadership, academic leadership and clinicians to advance the influence of high quality nursing care on patient outcomes. In 2015 the ICNPU was formally operationalised with the appointment of a Professor of Nursing – a joint appointment between the RBWH and the School of Nursing, QUT. Professor Fiona Coyer leads the ICNPU. In 2015 the focus in the ICNPU was to develop a nurse-led, multidisciplinary intensive care research program. This ongoing activity is achieved by focusing on an active intensive care nursing research culture within the service, demonstrating nurse-led research, developing research skills of intensive care nursing staff, creating opportunities for collaborative multidisciplinary research projects. Professor Coyer provides mentorship for intensive care nurses undertaking tertiary studies and guidance and support for grant applications.

A key activity in 2015 was the development of a strategic plan for the ICNPU and the nursing service in the Critical Care and Clinical Support Service (CCandCSS) division. Key meetings were held with nurse leaders culminating in agreed performance targets for 2016 onwards in areas of evidence-based practice and research. Two strategic plans were developed; the ICNPU plan was formally agreed and the finalisation of the CCandCSS plan was ongoing at end-2015. This activity is the cornerstone of future benchmarks and reporting for this service-line. During 2015 there was an increase in the number of presentations at conferences and publication submissions by clinicians. Two clinical nurses completed Masters degrees. Another clinical nurse, a PhD candidate, was the recipient of a RBWH Postgraduate Scholarship.

The ICNPU research focus was the area of skin integrity. A unique multidisciplinary collaborative project, the EXTREME Pressure study, that received RBWH Foundation pilot funding in 2014, was completed in 2015. A strength of this study was the collaboration of nursing, biomedical engineering, physiotherapy, biostatistics and medical ultrasound disciplines and the building of a multidisciplinary team to explore microcirculation and skin perfusion in critically ill patients. Further translational work was undertaken with the commencement of a Health and Medical Research funded fellowship study to imbed evidence-based pressure injury prevention strategies in the intensive care unit; the SUSTAIN study. These studies demonstrate our developing capacity to inform and change clinical practice through our research.

### Supervised Post-graduate Research Students

Name	Current Studies University (duration)	Research Project Title	Supervisors (RBWH staff in bold)
Hajar Alasmari	PhD, QUT (2015–2016)	Examining Intensive Care Nurses' Clinical decision-making associated with acute kidney injury and continuous renal replacement therapy in Saudi Arabia	Ann Bonner, <b>Fiona Coyer</b>
Jill Campbell	PhD, QUT (2010–2016)	Incontinence-Associated Dermatitis in the Acute Care Setting: <i>An Exploration of the Phenomenon</i>	<b>Fiona Coyer</b> , Sonya Osborne
Sonia Hines	PhD, QUT	An educational intervention to improve nurses' research literacy	Joe Ramsbotham, <b>Fiona Coyer</b> , Erika Hepple
Sandra Johnston	PhD, QUT	Effectiveness of high fidelity simulation as a teaching tool in undergraduate nursing education	<b>Fiona Coyer</b> , Robyn Nash
Kathryn Kynoch	PhD, QUT	A model of demographic, environmental, psychological and information predictors to meet the needs of families with a relative in an intensive care unit	Ann Chang, <b>Fiona Coyer</b>
Nahla Tayyib	PhD, QUT	Use of an interventional patient skin integrity care bundle in the intensive care unit to best manage skin integrity in the critically ill patient	<b>Fiona Coyer</b> , Peter Lewis
Naomi Tutticci	PhD, QUT (2015–)	Critical reflection by undergraduate nursing students in a High Fidelity Simulation: student verses academic facilitated reflection	<b>Fiona Coyer</b> , Peter Lewis, Mary Ryan
Elsbeth Dunstan	Master of Nursing, QUT	Safety culture in two Australian tertiary hospital intensive care units: The Scath-ICU study	<b>Fiona Coyer</b>
Adrianna Hada	Masters, QUT	Transforming patient outcomes through improved and effective nursing clinical handover	<b>Fiona Coyer</b> , Leanne Jack



## Intensive Care Nursing Professional Unit *(cont)*

### Supervised Post-graduate Research Students *(cont)*

Name	Current Studies University <i>(duration)</i>	Research Project Title	Supervisors <i>(RBWH staff in bold)</i>
Tarlya Westphall-Jensen	Masters, QUT (2015– )	A comparative analysis of differences in surgical wound complications between negative pressure wound therapy and standard dressings in obese patients	Martin Christensen, <b>Fiona Coyer</b>
Paul Jarrett	Masters, QUT	Administration of antibiotics in the intensive care unit	<b>Fiona Coyer</b> , Martin Christensen, Jason Roberts
Priscilla Pather	Masters, QUT	The incidence and measurement of incontinence associated dermatitis in the intensive care environment	<b>Fiona Coyer</b> , Leanne Jack
Rebecca Rashleigh-Rolls	Masters, QUT	An investigation of infection control interventions and their impact on hospital acquired infection rates	<b>Fiona Coyer</b> , Katie Page
Hannah Rheault	Doctor Health Science, QUT	Examining the health literacy and chronic disease self-management of remote Aboriginal Australians: <i>A mixed method study</i>	Ann Bonner, <b>Fiona Coyer</b>
Leanne Stone	Doctor Health Science, QUT	Comparing “Magnet” attributes in nursing between Australia and the United States	Alexandra McCarthy, <b>Fiona Coyer</b>

### Research Fellows

Name	Type of Fellowship	Research Program	University <i>(years)</i>
Karen Ousey	Adjunct Associate Professor	Skin perfusion and microcirculation in critically ill patients	QUT (2015–2017)

### Current RBWH Led Research Activity

RBWH Lead Researchers	Collaborative Researchers <i>(RBWH staff in bold)</i>	Research Project Title
Fiona Coyer	<b>Robyn Fox (Nurse Education)</b> , Alexandra McCarthy (QUT) , Amanda Henderson (GU), Ramon Shaban (GU), Karen Theobald (QUT), Bernadette Thompson (PAH)	Academic-industry integration in health: <i>Enhancing postgraduate professional learning</i>
Fiona Coyer	<b>Anthony Holley (Intensive Care Services)</b> , <b>Peter Thomas (Physiotherapy)</b> , Christina Parker (QUT), Mohsina Khatun(UQ), Chris Edwards (QUT), Jessica Ingleman (QUT)	The effect of time spent in a position on critically ill patient’s skin: <i>The EXTREME pressure 2 study</i>
Fiona Coyer	<b>Jill Campbell (Skin Integrity Service)</b> , <b>Amanda Vann (Intensive Care Services)</b> , <b>Greg McNamara (Intensive Care Services)</b> , Jane-Louise Cook (QUT)	Translating evidenced-based pressure injury prevention into the intensive care environment; <i>The SUSTAIN study</i>
Fiona Coyer	<b>Peter Slattery (Biomedical Engineering)</b> , <b>Peter Thomas (Physiotherapy)</b> , <b>Greg McNamara (Intensive Care Services)</b> , Chris Edwards (QUT), Jessica Ingleman (QUT)	Extreme pressure study: exploring pressures, tissue reperfusion and body positioning – a pilot evaluation among critically ill patients
Fiona Coyer	Anne Gardner (ACU), Glenn Gardner (QUT), Helen Gosby (Westmead Hospital)	Educating for health service reform: <i>Clinical learning, governance, and capability</i>

### Other Current Collaborative Research Activity

Collaborative Lead Researchers	RBWH Researchers	Research Project Title
Jennifer Paratz (GU), Tracy Comans (GU), Geoff Mitchell (UQ)	Robert Boots (Intensive Care Services), Fiona Coyer (Intensive Care Services), Peter Thomas (Physiotherapy)	Improving outcome in sepsis

## Internal Medicine Services

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**Kate Mason**  
Executive Director  
Internal Medicine Services

Internal Medicine Services has a diverse and vibrant research culture that is imbedded within our departments and across disciplines. We are proud of the achievements of the staff in Internal Medicine that contribute to the body of knowledge that improves the care provided to our patients. This research covers pure scientific research to translating research outcomes into practice. It is a dynamic time to be in health and specifically at RBWH. Internal Medicine is involved in research collaborations with most academic institutions in Queensland and many of the research endeavours are multidisciplinary and multi-site. Due to the nature of many of our services medicines play a vital role in therapeutic management of our patients. Clinical trials of medicines play an important part of the research of new pharmaceuticals that will eventually be able to be used more broadly for patient treatment. The involvement of the Nuclear Medicine Department in the Herston Imaging Research Facility is exciting and at the cutting edge of diagnostic care. The depth of IMS research work presented at the annual RBWH Health care Symposium is indeed inspiring and one indicator of the extent of research activities throughout the service. Enquiring minds and curiosity will always encourage the best patient care outcomes in our service.



**Sandy Jamieson**  
Nursing Director  
Internal Medicine Services

## Department of Cardiology

The cardiology department has a broad investigator-driven research program with a focus on health service research and evaluation. Much of this research has grown from the efforts of clinicians to improve models of care with interdisciplinary collaboration within RBWH and with other centres nationally and internationally.

### Highlights of 2015:

The evaluation of chest pain has involved a collaboration with the emergency department and internal medicine, and resulted in numerous collaborations internationally, successful grant funding, and industry partnerships. We have unique cardiac obstetric (collaboration with Internal Medicine and Obstetric Medicine) and cardiac genetic (collaboration with Genetic Health Queensland) clinics that receive statewide referrals. We have steering committee membership on the European Cardiac Obstetric Registry (as the only Australian representative), and the Australian National Genetic Heart Disease Registry. Our research interests also include investigating ways to detect presymptomatic heart disease with the use of biomarkers (salivary program), initially in the setting of heart failure. We are also investigating the feasibility of training nurses to perform echocardiography to assess left ventricular function. We have a strong clinical trials research program and have been the lead national and global recruiting site for a number of multicentre trials.

### Benefits for clinical practice:

Research into the evaluation of patients presenting with chest pain is being actively translated into clinical practice throughout Queensland by the Health Innovation Fund supported Accelerated Chest pain Risk Evaluation (ACRE) clinical redesign project. This research is informing the evaluation of chest pain across Queensland and internationally. We have developed pathways to investigate families who have suffered a sudden death at a young age, which involves collaboration with clinical genetics, forensic pathology and the Coroner's office.

We have commenced a Cardiac Catheter Laboratory database with comprehensive mandatory complication tracking, which will inform the Queensland Cardiac Outcomes Registry and the Australian Cardiac Outcomes Registry. We informed the development of the statewide heart failure outcomes reporting (HERO) database, which was commenced in January 2015. This will track process and outcome measures of healthcare for all patients referred to heart failure nursing services in Queensland.

We are investigating the role of training echocardiography-naïve nursing staff to assess LV function. This could allow a paradigm shift of echocardiography to affordable population screening and disease monitoring. We are collaborating with a QUT-based group of researchers to investigate the role of salivary biomarkers in heart failure and cardiovascular disease detection. This may allow non-invasive and cost-effective early disease detection and monitoring in heart failure.

### Editorial positions:

Associate Editor, Heart Lung Circulation  
Editorial board for Cardiac Failure Review

### Supervised Post-graduate Research Students

Name	Current Studies University (duration)	Research Project Title	Supervisors (RBWH staff in bold)
Kris Guppy-Coles	PhD, UQ (2013–2017)	Novel 3D echocardiography techniques of left ventricular functional assessment: <i>Utilisation in routine clinical practice and screening</i>	<b>John Atherton, Sandhir Prasad</b> , Arnold Ng
Rohan Poulter	PhD, UQ (2012–2017)	Evaluating the diagnostic performance of dual energy cardiac computed tomography.	<b>John Atherton, John Younger</b>
Ada Lo	PhD, UQ (2014–2017)	Identification of new echocardiographic parameters in distinguishing between familial cardiomyopathy genotypic positive patients with and without phenotypic expression	<b>John Atherton</b> , Arnold Ng, William Wang
Victoria McCreanor	PhD, QUT (2016–2019)	Identifying high value care for stable coronary artery disease in Australia	Nick Graves, Adrian Barnett, <b>William Parsonage</b>



## Department of Cardiology (cont)

### Current RBWH Led Research Activity

RBWH Lead Researchers	Collaborative Researchers (RBWH staff in bold)	Research Project Title
Jonathan Hall, Michael Barras	<b>John Atherton, Serena Rofail, Mohsina Khatun</b>	Mineralocorticoid receptor antagonists in heart failure: <i>Incidence of hyperkalaemia and the effect of GFR estimation</i>
Kris Guppy-Coles, John Atherton, Sandhir Prasad	<b>Arun Dahiya</b> , Arnold Ng	Novel 3D echocardiography techniques of left ventricular functional assessment: <i>Utilisation in routine clinical practice and screening</i>
Ada Lo, John Atherton	Arnold Ng, William Wang	Identification of new echocardiographic parameters in distinguishing between familial cardiomyopathy genotypic positive patients with and without phenotypic expression
Alison Mudge	<b>Charles Denaro, Adam Scott, Julie Adsett</b> , Robert Mullins, George Javorsky, <b>John Atherton</b> , Paul Scuffham, Thomas Marwick, Peter O'Rourke	A supervised exercise programme following hospitalisation for heart failure: <i>Does it add to disease management?</i>

### Other Current Collaborative Research Activity

Collaborative Lead Researchers	RBWH Researchers	Research Project Title
Mary Courtney, Jo Wu, Steven McPhail	John Atherton	The Cardiac/Diabetes TRANS-CARE Project
Jo Wu, Anne Chang, Mary Courtney, Esben Strodl, Steven McPhail (QUT)	John Atherton	Improving delivery by Ehealth-Assurance for Life (IDEAL)
Chamindie Punyadeera, Benjamin Schulz, Goce Dimeski, Karam Kostner (QUT)	John Atherton	Novel diagnostics for heart failure
Annabel Hickey, George Javorsky, Andrew Munns, Louise Marquart	Jessica Suna, John Atherton, Charles Denaro, Alison Mudge	Enhancing medication titration in patients with heart failure
Robyn Clark, Vincent Versace, Munir Chowdhury, Alexandra McCarthy, Bogda Koczwara, David Roder (Flinders University)	John Atherton	Characteristics of haematologic and breast cancer patients (1996-2009) who died of heart failure – related causes with and without a prior heart failure hospitalization – A linked health data analysis
Robyn Clark, Alexandra McCarthy, Robyn Peters (Metro South HHS)	John Atherton	A retrospective clinical audit of medical records to examine the journey through the healthcare system of patients who have developed cardiomyopathy after anticancer therapy
Robyn Clark, Alexandra McCarthy, Bogda Koczwara, Narelle Berry, Tania Marin, Kerri Gillespie, Jonathon Foote, Sina Vatandoust (Flinders University)	John Atherton	Development of a cardiotoxicity cardiovascular risk assessment tool
Dike Ojji, Karen Sliwa, Simon Stewart, Elena Libhaber, Bolaji Abdullahi, Ada Nwankwo, Alfa Jacob, Ngabea Murtala, Lionel Opie, Samuel Ajayi, Manmak Mamven (University of Abuja)	John Atherton	Studies of hypertension and heart failure in Nigeria
Adrienne O'Neil, Aaron Fisher, Katherine Kibbey, Felice Jacka, Mark Kotowicz, Lana Williams, Amanda Stuart, Michael Berk, Paul Lewandowski, Craig Taylor, Julie Pasco (University of Melbourne)	John Atherton	The addition of depression to the Framingham risk equation
Robyn Clark, Bronwyn Fredericks, Natahlia Buitendyk, Michael Adams, Jill Howie-Esquivel, Kathleen Dracup, Narelle Berry, Stella Johnson (Flinders University)	John Atherton	Development and feasibility testing of an education program to improve knowledge and self-care among Aboriginal and Torres Strait Islander patients with heart failure

## Department of Cardiology *(cont)*

### Current RBWH Led Research Activity *(cont)*

RBWH Lead Researchers	Collaborative Researchers <i>(RBWH staff in bold)</i>	Research Project Title
Sanjoy Paul, Olga Montvida Kerenaftali Klein, Julius Agbeve (QIMR Berghofer)	John Atherton	Evaluation of the association of old and new anti-diabetes drugs with the risk of heart failure in patients with type 2 diabetes
Joseph Selvanayagam, Sanjay Prasad, Andrew McGavigan, Graham Hillis, Werner Jung, Laurent Billot, Suchi Grover	John Atherton	Cardiovascular Magnetic Resonance GUIDEd management of mild-moderate left ventricular systolic Heart Failure (CMR GUIDE HF)
Richard Bagnall, Robert Weintraub, Jodie Ingles, Johan Duflou, Laura Yeates, Lien Lam, Andrew Davis, Tina Thompson, Vanessa Connell, Jennie Wallace, Charles Naylor, Jackie Crawford, Donald Love, Lavinia Hallam, Jodi White, Christopher Lawrence, Matthew Lynch, Natalie Morgan, Paul James, Desirée du Sart, Rajesh Puranik, Neil Langlois, Jitendra Vohra, Ingrid Winship, Jonathan. Skinner, Christopher Semsarian (University of Sydney)	John Atherton, Julie McGaughran	A prospective study of sudden death in the young

### Research Awards and Achievements

Recipient	Award	Event
John Atherton	Best Poster Diploma	European Society of Cardiology Congress 2015, London, UK
William Parsonage	MNHHS Research Awards	Awarded to the Emergency Cardiology Research Group



## Department of Clinical Pharmacology

The Department of Clinical Pharmacology has a number of research focuses, across multiple professional disciplines, reflecting the multidisciplinary makeup of the department. Research staff work collaboratively with the Department of Pharmacy, in areas related to medication safety, the quality use of medicines and the expanding professional role of pharmacists. Clinical Pharmacology continues to work collaboratively with other hospitals within Metro North Hospital and Health Service (TPCH) and Brisbane (PAH) relating, in particular, to the quality use of medicines. In addition, the department has begun to focus on the role of individualised feedback, of both nursing and medical staff, related to the safety of prescribing and administration of medicines. Karen Davies, Clinical Nurse Consultant for Medication Safety published results on a pilot study that demonstrated remarkable improvements in the safety of medication administration following immediate, individualised feedback on practice. Karen continues to pursue this work and has recently enrolled in PhD studies. Karen was a winner of Excellence in Performance and Best Clinical, Educational and Health Services Poster presentation at the 2015 RBWH Quarrie Awards for this work. Further, Dr Peter Donovan, Director of Clinical Pharmacology, was a chief investigator on a successful RBWH Hospital Foundation grant in 2015 that will expand upon pilot work that demonstrated similarly remarkable improvements in the accuracy and safety of medical officer prescribing after individualised feedback on prescribing practices. Dr Donovan continues to expand his research interests in the cost-effectiveness of health care and continues to work collaboratively with researchers from within and external to RBWH. In 2015, Dr Donovan completed some collaborative work with Dr Susan Jordan from QIMR Berghofer relating to nation-wide variations in chemotherapy for ovarian cancer.

### Supervised Post-graduate Research Students

Name	Current Studies University (duration)	Research Project Title	Supervisors (RBWH staff in bold)
Brooke Myers	PhD, UQ (2014-2016)	Role of the Pharmacist on the Medical Post-Take Ward Round	<b>Ian Coombes</b> , Charles Mitchell, <b>Peter Donovan</b> , Jennifer Whitty

### Current RBWH Led Research Activity

RBWH Lead Researchers	Collaborative Researchers (RBWH staff in bold)	Research Project Title
Peter Donovan (Clinical Pharmacology)	Christine Rowland (Greenslopes Private Hospital), <b>Emma Duncan (Endocrinology)</b> , <b>Alison Mudge (Internal Medicine)</b> , <b>Paul Tesar (Radiology)</b>	Teriparatide for Pelvic Fracture Healing
Peter Donovan (Clinical Pharmacology)	<b>Donald McLeod (Endocrinology)</b> , Louisa Gordon (QIMR Berghofer)	Cost Utility Analysis of the Primary Therapies for Graves' Disease
Donald McLeod (Endocrinology)	<b>Peter Donovan (Clinical Pharmacology)</b> , <b>Michael Keogh (Endocrinology)</b>	Treat-to-Target TRAb in Graves' Disease
Phillip Robinson (Rheumatology)	<b>Peter Donovan (Clinical Pharmacology)</b> , Nicola Dalbeth (University of Auckland, Auckland Hospital)	A Health Economic Analysis Of The American College Of Rheumatology Guideline To Monitor Serum Urate Every 6 Months After Reaching Target In Gout Treatment
Ian Coombes (Pharmacy)	<b>Peter Donovan (Clinical Pharmacology)</b> , <b>Michael Barras (Pharmacy)</b> , Charles Mitchel (UQ), Brooke Myers, Christy Noble, Trudy Teasdale, Linda Stockwell (Gold Coast University Hospital)	Improving Intern Medical Officer Prescribing through an Intervention of Self-Assessment and Feedback
Hannah Farquhar (Medicine)	<b>Don McLeod (Endocrinology)</b> , <b>Peter Donovan (Clinical Pharmacology)</b> , <b>Roger Allison (Cancer Care)</b> , <b>Susan Thomas (Cancer Care)</b> , <b>Lee Tripcony (Cancer Care)</b>	Validating a response to therapy risk stratification system for Medullary Thyroid Cancer

### Other Current Collaborative Research Activity

Collaborative Lead Researchers	RBWH Researchers	Research Project Title
Susan Jordan (QIMR Berghofer)	Peter Donovan (Clinical Pharmacology), Jeffrey Goh (Medical Oncology)	Variations in adjuvant chemotherapy and survival in women with epithelial ovarian cancer
Brooke Myers (Gold Coast University Hospital)	Ian Coombes (Pharmacy), Peter Donovan (Clinical Pharmacology)	Role of the Pharmacist on the Medical Post-Take Ward Round



## Department of Endocrinology

The Department of Endocrinology and Diabetes is staffed by 13 medical, two administrative, four allied health professionals, three research nurses, two diabetes nurse educators, one podiatrist, one dietitian and three scientists.

Clinical services provided include in-patient consultative services at RBWH and specialised out-patient clinics at RBWH and Bundaberg Hospital.

The department contributes to the Statewide Thyroid Cancer Clinic held with members of Cancer Care Services. It also supports the Obstetric Endocrine Clinic service for Women's and Newborn Services. It provides outreach services to Bundaberg and telehealth services in maternity health, endocrinology and complex Type 2 Diabetes to hospitals in the Central zone.

Clinical research activities include an active clinical trials unit. Chronic disease funding is underwriting projects in management of Diabetes in Pregnancy and Type 2 Diabetes. The Conjoint Endocrine Laboratories, a joint venture of Internal Medicine Services and Pathology Queensland undertakes studies at a basic science level of placental iodide and thyroid hormone handling as well as assessing testosterone transport and action.

Associate Professor Emma Duncan has a major role within the Department to promote and undertake research. There are now 3 doctoral students. The department has developed strong links with several research departments and has started major clinical studies in several areas including:

- HIV disease and bone
- Pheochromocytoma and bone disease
- Genetics of Pheochromocytoma
- Genetics of Thyroid Cancer
- Genetics of Skeletal Dysplasia
- Genetics of Osteogenesis imperfecta
- Genome wide association studies of osteoporosis.

Dr Don McLeod has joined the Department and is pursuing research in aspects of the epidemiology of Thyroid Cancer.

The department has developed the first gestational diabetes decision support tool for the management of diabetes. Data on all patients managed in the department is now captured at every clinic visit. This has led to the potential to do clinical trials and outcome audit of all patients with diabetes in pregnancy. This has led to collaboration with the Departments of Obstetric Medicine and Neonatology.



## Genetic Health Queensland

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**Assoc Prof. Julie McGaughran**  
**Director**  
**Genetic Health Queensland**

Genetic Health Queensland is a state-wide service which provides clinical genetics services for all age groups in the state of Queensland. The service is based at RBWH and undertakes clinics at many locations throughout the state including Cairns, Townsville, Mackay, Rockhampton, Bundaberg, Toowoomba, Nambour and Gold Coast.

There are six consultant staff positions, two advanced trainees and an intern on elective placement. As a state-wide service, GHQ contributes to education and grand rounds both at RBWH and LCCH and across the state. All clinical staff undertake a number of presentations locally to other health professional groups and to non-government organisations. Genetic counsellors work with the medical staff both at RBWH and at sites throughout Queensland. Medical students and genetic counselling students may undertake elective placements in the department. The Queensland Familial Cancer Registry is also part of the department. There is a research assistant employed by the ICCOn familial cancer project. There is a weekly in service, journal club and clinical review meeting. Research interests include dysmorphology, prenatal genetics, cardiac genetics, renal genetics and cancer genetics.

Given the rarity of many genetic conditions and the availability of some genetic testing only out of state or in a research setting, there is considerable collaboration between staff of the department and national and international colleagues.



## Genetics of Epilepsy

**Aim:** To identify genes and genetic pathways whose epigenetic state associates with epilepsy with the goal being to isolate potential biomarkers for epilepsy.

**Clinical Benefits:** Patient care would be enhanced by the capacity to develop new diagnostic tests for epilepsy in the form of predictive biomarkers and the future potential for development of new treatment modalities for epilepsy.

### Supervised Post-graduate Research Students

Name	Current Studies University (duration)	Research Project Title	Supervisors (RBWH staff in bold)
Namitha Mohandas	University of Melbourne (July 2015 – June 2018)	An epigenomic and twins approach to neurodevelopmental disorders	Jeffrey Craig, Alicia Oshlack, Kylie Crompton, <b>Lata Vadlamudi</b> , Charles Claudianos



## Geriatric and Rehabilitation Services

Research at the Geriatric and Rehabilitation Service (GRS) is mainly conducted at the Memory clinic in collaboration with UQ, UQCCR and International multicentre trial sponsors. Memory disorder research conducted at GRS is mainly in Alzheimer's disease (AD) aimed at finding more effective treatments for this chronic neurodegenerative disorder that is significantly increasing in prevalence worldwide including Australia. Alzheimer's disease has become the 3<sup>rd</sup> main cause of mortality in Australia especially in females and the leading cause of morbidity in Australia. In the next 20-30 years, a 5-6 fold increase in prevalence of AD in Queensland is estimated.

Clinical research in AD at the Memory clinic will add to the worldwide literature and knowledge in the management of this devastating illness. Local research plays a vital part in not only adding to the literature but also providing a better understanding of local variables in response to treatment.

A RBWH Foundation and RBWH Research Grant in 2015 totalling \$31,000 helped partly fund a pilot study in *"Transcranial direct current stimulation to improve cognition and learning in prodromal Alzheimer's disease"*. This was a collaborative research between RBWH Memory clinic and UQCCR.

Collaborative research in AD has also been conducted with local and international researchers as part of multicentre drug trials.

### Other Current Collaborative Research Activity

Collaborative Lead Researchers	RBWH Researchers	Research Project Title
TauRx Therapeutics Ltd	Kana Appadurai (Geriatric and Rehabilitation Service), Gerard Byrne (Mental Health Centre)	Randomized, Double-Blind, Placebo-Controlled, Parallel-Group, 15-Month Trial of Leuco-methylthioninium bis(hydromethanesulfonate) in Subjects with Mild to Moderate Alzheimer's Disease (Phase 3)
TauRx Therapeutics Ltd	Kana Appadurai (Geriatric and Rehabilitation Service), Gerard Byrne (Mental Health Centre)	Randomised, double-blind, parallel-group, placebo-controlled study of Lu AE58054 in patients with mild-moderate Alzheimer's disease treated with an acetylcholinesterase inhibitor; Study 3



## Department of Infectious Diseases

The Department of Infectious Diseases aims to conduct high quality clinical and translational research to improve real-world outcomes for people with infections, by collaboration with national and international partners.

The Infectious Diseases Department has very strong links with other medical research facilities in Queensland, including: UQ (School of Medicine, School of Population Health and UQCCR); QIMR Berghofer; Wesley Medical Research; and QUT.

The two main foci of research efforts in the Department of Infectious Diseases focus on the leadership of our key clinician academics, Professor James McCarthy and Professor David Paterson.

The principal focus of Professor McCarthy's group is to undertake clinical trials to develop new antimalarial drugs. As well as testing experimental antimalarials in clinical trials, research encompasses the development of methods to investigate transmission of malaria from experimentally infected human host to mosquito vectors, the discovery of molecular markers of the sexual stages of the malaria parasite that can be measured in the blood of experimentally infected human volunteers, development of methods to produce malaria parasite banks suitable for human use and the design of statistical methods for measuring the effectiveness of antimalarial drugs. Antimalarial drug development has been transformed by the application of human challenge studies to evaluate drug efficacy. Professor McCarthy's group has successfully developed international links with pharma and philanthropy, resulting in over A\$4 million of funding for research and clinical trials in Brisbane. This has included over A\$1.2 million of funding from the Medicines for Malaria Venture to undertake clinical trials of novel antimalarials, a \$10 million from the Bill and Melinda Gates Foundation to support clinical trial infrastructure and ongoing funding from the NHMRC to facilitate vaccine development. Professor McCarthy serves on the editorial boards of PLoS Neglected Tropical Diseases, and the International Journal for Parasitology, and has provided invited reviews for Nature, Lancet, Lancet Infect Dis, J Inf Dis, Clin Inf Dis.

The other main focus of research in the department is clinical research in antibiotic-resistant bacteria based on Professor Paterson's global leadership in the fight against gram-negative "superbug" infections, including clinical, epidemiological and translational research. In 2015, RBWH participated in major clinical trials such as the MERINO study of antibiotic therapy options for life-threatening bloodstream bacterial infections.

The department of infectious diseases also conducts clinical research to help people living with bloodborne-virus infections, particularly human immunodeficiency virus (HIV) and hepatitis C virus infection.

### Supervised Post-graduate Research Students

Name	Current Studies University (duration)	Research Project Title	Supervisors (RBWH staff in bold)
Hugh Wright	PhD		David Paterson
Patrick Harris	PhD		David Paterson
Sumudu Britton	PhD, UQ (2011–2016)	Plasmodium vivax high-throughput loop mediated isothermal amplification (LAMP): <i>Improving the diagnostic repertoire for malaria elimination</i>	James McCarthy, Qin Cheng, Colin Sutherland

### Research Fellows

Name	Type of Fellowship	Research Program	University (years)
James McCarthy	Government of Queensland, Health Research Fellowship	Improving the care of patients with infectious diseases	RBWH, QIMR Berghofer (2010 – 2016)
James McCarthy	National Health and Medical Research Centre, Practitioner Fellowship	Developing drugs and vaccines for malaria by undertaking experimental studies in humans	RBWH, QIMR Berghofer (2013 – 2018)
John Woodford	Clinical Research Fellow, supported by Bill and Melinda Gates Foundation	Developing drugs and vaccines for malaria by undertaking experimental studies in humans	2016

Department of Infectious Diseases *(cont)*

Other Current Collaborative Research Activity

Collaborative Lead Researchers	RBWH Researchers	Research Project Title
Sharon Chen (University of Sydney)	Krispin Hajkovicz	2 <sup>nd</sup> Australian National Candidaemia Study
Archie Clements, Darren Gray, Susana Vaz Nery	James McCarthy	WASH for Worms
Kate Mounsey	James McCarthy	Treatment and Control of Scabies
Alan Cowman, Krystal Evans, Louis Schofield	James McCarthy	Clinical Trial of a Genetically attenuated malaria parasite
Stephen Trowell, Amalia Berna	James McCarthy	Investigation of the transmission of malaria to mosquitoes
Stephen Trowell, Amalia Berna	James McCarthy	Volatiles in Malaria





## Internal Medicine and Aged Care

The Internal Medicine Research Unit supports a broad range of investigator initiated research across the lifespan, from pre-conception to old age. Our main areas of research investigate the care and outcomes of acutely hospitalised older people; people with chronic disease; and pregnant women. Our research includes basic, clinical and translational studies intended to directly improve outcomes of our target populations.

Our health services research group focuses on collaborative, multidisciplinary clinical research to improve health systems during hospitalisation for older people, and optimising treatment following hospitalisation for common conditions including heart failure, thyroid disease, bone disease and multimorbidity. Our researchers actively engage in translation activities including presenting at national and international forums, teaching, high level leadership and clinical redesign of services based on emerging evidence. We were finalists in the 2015 Health Excellence Awards for the Eat Walk Engage program, now being tested in the multi-site CHERISH project led by Dr Mudge and funded by a \$1.5 million Queensland Accelerate Partnership grant.

The Obstetric Medicine research group intends to improve the outcomes of complex pregnancy for women and their infants through basic and clinically applied research. We have a broad interest in maternal health, with studies addressing areas from anaesthetics, maternal obesity and diabetes as well as asthma and psychological status. Our research laboratory is currently focussing on placental metabolism in maternal diabetes and preeclampsia as well as the relationship between the maternal gut microbiome and pregnancy outcomes. In 2015, Professor Leonie Callaway led a NHMRC funded randomised controlled trial from RBWH – the SPRING study of probiotics for the prevention of GDM. We also collaborated on the BLT (breathing for life trial) of asthma management in pregnancy, a multicentre Australian trial led by Newcastle University. Other grants included > \$160,000 in project grant funding addressing maternal metabolism, and the microbiome.

### Supervised Post-graduate Research Students

Name	Current Studies University (duration)	Research Project Title	Supervisors (RBWH staff in bold)
Prue McRae	M Phil, UQ (completed 2015)	Understanding the occurrence of geriatric syndromes in older surgical patients	<b>Alison Mudge, Philip Walker,</b> Nancye Peel
Julie Adsett	PhD, Griffith (2012–)	Aquatic exercise for patients with stable heart failure	
Angela Byrnes	PhD, UQ (2015–2018)	Investigating the nutritional care and status of older patients on two surgical wards: a multi-phase action research study	Judy Bauer, <b>Adrienne Young, Alison Mudge, Merrilyn Banks</b>
Catherine Kilgour	PhD (completed 2015)	Communication between Hospital Clinicians, General Practitioners and Women: Postpartum Follow-up of Mothers with Gestational Diabetes Mellitus	Fiona Bogossian, <b>Leonie Callaway,</b> Cindy Gallois, David McIntyre
Helen Robinson	PhD (2015–)	Carbohydrate Restriction in the Management of Gestational Diabetes	<b>Leonie Callaway, Helen Barrett,</b> Marloes Dekker Nitert
Fiona Britten	PhD (2014–)	Breastfeeding in women with Type 2 diabetes	<b>Leonie Callaway, Emma Duncan</b>
Naomi Achong	PhD (2010–)	Insulin requirements in pregnant women with type 1 diabetes mellitus during late pregnancy and the peripartum period	<b>Leonie Callaway, Emma Duncan,</b> David McIntyre
Victoria Eley	PhD (2013–)	Clinical guidelines relating to the anaesthetic management of obese parturients: An evaluation of their clinical utility and supporting evidence	<b>Leonie Callaway</b>
Luisa Gomez Arango	PhD (2014–)	Microbiome in pregnancy	<b>Leonie Callaway,</b> Marloes Dekker Nitert
Cara Odenthal	MPhil (2013–)	Can MRI at 3 and 5 years after first demyelinating event detect reduction in brain volume in patients who progress to clinically definite MS compared to those who do not?	<b>Leonie Callaway</b>
Kristine Matusiak	MPhil, (2012–)	Effects of preconception weight loss on the HPA axis	Marloes Dekker Nitert, <b>Leonie Callaway</b>
Angela North	MPhil, (2015–)	Therapeutic heparin antenatal and peripartum	<b>Karen Whitfield, Karin Lust, Helen Barrett</b>
Brooke Myers	PhD, UQ (2014–2016)	Role of the Pharmacist on the Medical Post-Take Ward Round	<b>Ian Coombes,</b> Charles Mitchell, <b>Peter Donovan,</b> Jennifer Whitty

## Internal Medicine and Aged Care *(cont)*

### Research Fellows

Name	Type of Fellowship	Research Program	University <i>(years)</i>
Alison Mudge	Queensland Health and Medical Research Fellowship	Improving acute and post-hospital care of older patients	QH (2014–2017)
Julie Adsett	National Heart Failure or Australia Postgraduate Scholarship	Safety and efficacy of aquatic exercise in patients with stable heart failure	(2012–2017)
Helen Barrett	ADS-Skip Martin Early Career Fellowship	Triglycerides in pregnancy	UQ (2015–2016)
Helen Robinson	NHMRC PhD scholar	Carbohydrate Restriction in the Management of Gestational Diabetes	UQ (2015–2018)
Helen Robinson	RBWH foundation research higher degree scholarship	Carbohydrate Restriction in the Management of Gestational Diabetes	UQ (2015–2018)
Fiona Britten	RBWH foundation research higher degree scholarship	Breastfeeding in women with Type 2 diabetes	UQ (2015–2018)
Fiona Britten	Diabetes QLD scholarship	Breastfeeding in women with Type 2 diabetes	UQ (2015–2018)

### Current RBWH Led Research Activity

RBWH Lead Researchers	Collaborative Researchers <i>(RBWH staff in bold)</i>	Research Project Title
Alison Mudge	<b>Prue McRae, Merrilyn Banks, Adrienne Young,</b> Adrian Barnett (QUT), Irene Blackberry (Latrobe), Ann Chang (QUT), Nick Graves (QUT), Ruth Hubbard (UQ), Sharon Inouye (Harvard), Sue Kurrle (Uni of Sydney), Kwan Lim (Univ of Melbourne), Nancy Peel (UQ)	CHERISH: Collaborative for Hospitalised Elders Reducing the Impact of Stays in Hospital
Carol Douglas (Palliative Care), Alison Mudge	<b>Cheryl Blaber, S Murray, Michael Tresillian, Xanthe Sansome</b>	Point prevalence survey of end of life predictors and care in a major tertiary hospital
Alison Mudge, Prue McRae	P Bew (Brighton), J Ylarde (Brighton), D Leahy (Brighton), S Smith (QUT)	Moving Brighton Forward: <i>Mobility in a subacute setting</i>
Julie Adsett	<b>Alison Mudge, Jennifer Paratz,</b> N Morris (Griffith), S Kuys (ACU)	Aquatic exercise compared to land based exercise for heart failure
Alison Mudge, Robert Carroll	<b>Jessica Suna, Charles Denaro, John Atherton</b>	Medication titration in patients enrolled in HF disease management programs: <i>Substudy of the EJECTION-HF study</i>
Leonie Callaway	Harold David McIntyre, Marloes Dekker Nitert, J Tobin, P O'Rourke, S Wilkinson, C McSweeney, H Barrett	SPRING trial
Peter Donovan	Christine Rowland (Greenslopes Private Hospital), <b>Emma Duncan (Endocrinology), Alison Mudge, Paul Tesar (Radiology)</b>	Teriparatide for Pelvic Fracture Healing
Peter Donovan	<b>Donald McLeod (Endocrinology),</b> Louisa Gordon (QIMR Berghofer)	Cost Utility Analysis of the Primary Therapies for Graves' Disease
Donald McLeod (Endocrinology)	<b>Peter Donovan, Michael Keogh (Endocrinology)</b>	Treat-to-Target TRAb in Graves' Disease
Phillip Robinson (Rheumatology)	<b>Peter Donovan,</b> Nicola Dalbeth (University of Auckland, Auckland Hospital)	A Health Economic Analysis Of The American College Of Rheumatology Guideline To Monitor Serum Urate Every 6 Months After Reaching Target In Gout Treatment
Ian Coombes (Pharmacy)	<b>Peter Donovan, Michael Barras (Pharmacy),</b> Charles Mitchel (UQ), Brooke Myers, Christy Noble, Trudy Teasdale, Linda Stockwell (Gold Coast University Hospital)	Improving Intern Medical Officer Prescribing through an Intervention of Self-Assessment and Feedback
Hannah Farquhar (Medicine)	<b>Don McLeod (Endocrinology), Peter Donovan, Roger Allison (Cancer Care), Susan Thomas (Cancer Care), Lee Tripcony (Cancer Care)</b>	Validating a response to therapy risk stratification system for Medullary Thyroid Cancer

## Internal Medicine and Aged Care *(cont)*

### Other Current Collaborative Research Activity

Collaborative Lead Researchers	RBWH Researchers	Research Project Title
Jon Golledge (JCU)	Philip Walker, Alison Mudge	Brief behavioural counselling intervention for peripheral arterial disease
Rita Hwang (PAH)	Alison Mudge, Jessica Suna, Julie Adsett	Timed up and go test: reliability and validity in heart failure patients
Katherine Poulsen (TPCH), Claire Barrett (Redcliffe), Laurel Young (Redcliffe)	Helen Barrett	Pregnancies exposed to biologics (PEB) study
Susan Jordan (QIMR Berghofer)	Peter Donovan, Jeffrey Goh	Variations in adjuvant chemotherapy and survival in women with epithelial ovarian cancer
Brooke Myers (Gold Coast University Hospital)	Ian Coombes, Peter Donovan	Role of the Pharmacist on the Medical Post-Take Ward Round

### Research Awards and Achievements

Recipient	Award	Event
Helen Robinson	ADIPS Novo Nordisk Grant 2015	ADIPS Annual Scientific Meeting





# Kidney Health Service

The Kidney Health Service (KHS) aims to translate new knowledge and improvements in practice into the clinical care of people with kidney and related diseases. We do this through generating new knowledge of novel mutations causing kidney disease, identifying which people are likely to experience progressive loss of kidney function and how the innate immune system drives the progression of kidney injury. The research is translated into innovative models of care in combined renal genetics disease, kidney diabetes and kidney supportive care programs. We influence the practices of clinicians outside the RBWH through our publications and co-authorships of treatment guidelines and Cochrane systematic reviews.

In this report we describe the work of young investigators who we are training for independent research careers. Two early career researchers were awarded NHMRC project grants in 2015 - Dr Andrew Kassianos CIA and Dr Andrew Mallett CID:

- **Kassianos A, Healy H, Wilkinson R, Francis L, Francis R.** Pathogenic dendritic cells in human kidney disease. Total \$370,983
- Little M, Smyth I, Simons C, **Mallet A**, Alexander S, Wovetang E, Oshlack A, Patel C, **Healy H**, Bennetts B, Tchan M, Quinlan C, Walker A, White S, Stark Z. Applying functional genomics to kidney disease. Total \$1,299,316.

Three young researchers were recipients of scholarships in their PhD programs - Ms Leanne Brown is the recipient of an NHMRC postgraduate scholarship, Mr Sandeep Sampangi a QUT doctoral studies scholarship and Mr Meng-Po Lo a Queensland Pathology Scholarship.

Researchers in the Kidney Health Service are Chief Investigators on 2 NHMRC Centres of Research Excellence:

- Hoy W, **Healy H**, Connelly L, Mitchell G, Panaretto K, Endre Z, Coombes J, Gobe G, **Bonner A**, Fassett R. NHMRC Centre of Research excellence in Chronic Kidney. Total \$2,496,981.45
- Yates P, Mitchell G, Currow D, Eagar K, Edwards H, Gardner G, Willmott L, Bonner A, Clark R, Tieman J. NHMRC Centre of Research Excellence, End of Life Care. Total \$2,495,543.

The successful research programs are the outputs of productive collaborations with:

- Genetics Health Queensland and the Department of Supportive and Palliative Care at the RBWH
- Endocrinologist specialising in Diabetes at TPC and Members of Executive Team, MN HHS
- all the specialty kidney services, Queensland Health, with specific projects of research with Dr Ross Francis Department of Nephrology, PAH
- the Departments of Chemical and Anatomical Pathology, Queensland Pathology
- Children's Hospital Westmead Molecular Genetics Laboratory.

And researchers at:

- QIMR and the Translational Research Institute
- Universities of Queensland, Melbourne, Monash and Washington (Seattle) and QUT.

## Supervised Post-graduate Research Students

Name	Current Studies University (duration)	Research Project Title	Supervisors (RBWH staff in bold)
Sadia Afrin	Masters, QUT – completed	Defining a 3D in vitro model to study immune cell and renal cell interactions	Ray Wilkinson, Travis Klein, Karsten Schrobback, <b>Andrew Kassianos</b>
Hajar Alasari	PhD (3 <sup>rd</sup> year), QUT	Examining intensive care nurses' clinical decision-making associated with acute kidney injury and continuous renal replacement therapy	<b>Ann Bonner</b> , Fiona Coyer
Hayfa Almutary	PhD (3 <sup>rd</sup> year), QUT	Exploring symptom clusters in people with chronic kidney disease	Ann Bonner, Clint Douglas
Kylie Barr	PhD (1 <sup>st</sup> year), UWS	Evaluation of the effectiveness of intradialytic yoga for patients with end stage kidney disease	Caroline Smith, Bobby Cheema, <b>Helen Healy</b>
Leanne Brown	PhD (3 <sup>rd</sup> year), QUT	Evaluating patient-centred decision making for end stage kidney disease	Glen Gardner, <b>Ann Bonner</b>
Ha Thi Thuy Dinh	PhD (3 <sup>rd</sup> year), QUT	Exploring teach-back as a method for improving Heart Failure knowledge and self-management	<b>Ann Bonner</b> , Joanne Ramsbotham, Robyn Clark

## Kidney Health Service (cont)

### Supervised Post-graduate Research Students (cont)

Name	Current Studies University (duration)	Research Project Title	Supervisors (RBWH staff in bold)
Kathryn Havas	PhD (2 <sup>nd</sup> year), QUT	Comparison of a brief and an in-depth intervention to support self-management in people with chronic kidney disease	<b>Ann Bonner</b> , Clint Douglas
Bronwyn Hayes	DHlthSc, QUT – <i>completed</i>	Job satisfaction, stress and burnout in haemodialysis nurses	<b>Ann Bonner</b> , Clint Douglas
Wei He	PhD, QUT – <i>completed</i>	Exploring the factors associated with concordance with lifestyle modifications in Chinese people with hypertension	<b>Ann Bonner</b> , Debra Anderson
Meng-Po (Becker) Lo	PhD (1 <sup>st</sup> year), QUT	Functional characterisation of lymphocyte subsets in human kidney disease	<b>Andrew Kassianos</b> , Ray Wilkinson, Ken Begley, <b>Helen Healy</b>
Andrew Mallett	PhD (3 <sup>rd</sup> year), UQ SoM	Genetic Diagnostics in Genetic Renal Disease – <i>Methods, Applications and Therapeutics</i>	<b>Helen Healy</b> , Wendy Hoy, Val Hyland, David Johnson
Molly Milazi	DHlthSc (2 <sup>nd</sup> year), QUT	Nurse-led teach back intervention to improve people with end stage kidney disease adherence with phosphate binders	<b>Ann Bonner</b> , Clint Douglas
Nguyet Thi Nguyen	PhD (2 <sup>nd</sup> year), QUT	Self-management of people with early stages of chronic kidney disease in Hanoi, Vietnam	<b>Ann Bonner</b> , Clint Douglas
Sandeep Sampangi	PhD, QUT – <i>completed</i>	The role of renal proximal tubular epithelial cells (PTEC) in autologous immune modulation	Ray Wilkinson, Ken Beagley, Travis Klein, <b>Andrew Kassianos</b> ,
Haunnah Rheault	DHlthSc (2 <sup>nd</sup> year), QUT	Health literacy and chronic disease self-management in Indigenous Australians	<b>Ann Bonner</b> , <b>Fiona Coyer</b>
Colette Wembenyui	MAppSc (2 <sup>nd</sup> year), QUT	Self-management in people with chronic kidney disease	<b>Ann Bonner</b> , Clint Douglas

### Research Fellows

Name	Type of Fellowship	Research Program	University (years)
Jenny Zhang	NHMRC post doctoral	NHMRC Centre of Research Excellence	3 years

### Current RBWH Led Research Activity

RBWH Lead Researchers	Collaborative Researchers (RBWH staff in bold)	Research Project Title
Ann Bonner, Helen Edwards	<b>Patsy Yates</b> , Geoff Mitchell, David Currow, Kathy Eagar, Glenn Gardner, Lindy Willmott, Robyn Clark, Jennifer Tieman	NHMRC funded End of Life CRE
Ann Bonner, Helen Healy, Adrian Kark, Sharad Ratanjee	<b>Patsy Yates</b> , Shirley Chambers, S Chhabra, Wendy Hoy	A feasibility study to track the last 12 months of life in chronic kidney disease patients: <i>Baseline characteristics</i>
Helen Healy	<b>Andrew Kassianos</b> , <b>Ray Wilkinson</b> , Xiangju Wang, Sandeep Sampangi, Meng-Po Lo, Leo Francis, Ross Francis	Identifying biologically relevant control and switch points driving progression of chronic kidney disease
Ann Bonner, Helen Healy, Adrian Kark, Sharad Ratanjee	Wendy Hoy, Geoffrey Coombes, Zoltan Endre, Robert Fasset, Glenda Gobe, Geoffrey Mitchell	NHMRC funded CKD.CRE
Helen Healy	Wendy Hoy, Ann Bonner	Co-Chair CKD.Qld – A <i>multidisciplinary research and practice collaborative network</i>
Helen Healy	Tracey Johnson, Sue Williams, Wendy Hoy	Keeping Kidneys in the Community
Andrew Mallett, Chirag Patel	<b>Helen Healy</b> , Julie McGaughan, Melissa Little, Lorna Hale, Ernst Wolvetang, Cas Simons, Jo Crawford, Ian Smyth, Peter Trnka, Hugh McCarthy, Steve Alexander, Amali Mallawaarachchi, Cathy Quinlan, Zornitsa Stark	NGS and iPSC Applications in Genetic and Inheritable Kidney Disease

## Kidney Health Service (cont)

### Supervised Post-graduate Research Students (cont)

RBWH Lead Researchers	Collaborative Researchers (RBWH staff in bold)	Research Project Title
Dwarakanathan Ranganathan	Burns and Critical Care Unit	POEMSLUN – Pharmacokinetics of Enteric coated Mycophenolate Sodium in Lupus Nephritis
Dwarakanathan Ranganathan	Radiology	RadCath Study
Dwarakanathan Ranganathan	Burns and Critical Care Unit	An ex vivo evaluation of clearance and circuit sequestration of immunosuppressants during renal replacement therapy

### Other Current Collaborative Research Activity

Collaborative Lead Researchers	RBWH Researchers	Research Project Title
Martin Gallagher, Kevan Polkinghorne, Nicholas Gray, Stephen McDonald, Alan Cass	Sharad Ratanjee, David McIntye	REDUCCTION Study – REDUcing the burden of dialysis Catheter ComplicaTIONS: A National approach

### Research Awards and Achievements

Recipient	Award	Event
Ann Bonner	2015 Vice Chancellor Award	QUT
Ann Bonner, Sonya Coleman, Kathryn Havas, Bernadette Taylor, Lorraine Bublitz, C Stone, Susanne Ehrsam, A Graham	Best Poster – 2 <sup>nd</sup> prize	European Dialysis and Transplant Nurses Association/European Renal Care Association Conference, Dresden Germany
Leanne Brown, Glen Gardner, Ann Bonner	Best Paper	2015 Australian College of Nurse Practitioner Conference, Melbourne
Leanne Brown, Glen Gardner, Ann Bonner	Best Poster	2015 Australian College of Nurse Practitioner Conference, Melbourne
Andrew Mallett	RBWH Foundation Award for Best Overall Research	2015 RBWH Symposium
Andrew Mallett	RBWH Alumni Research Encouragement Award for Highest Ranked Project Grant Application	RBWH Foundation Research Grants
Andrew Mallett	UQ Graduate School International Travel Award	Doctoral sabbatical in Cambridge – refining candidate gene libraries
Meng-Po Lo	Queensland Pathology Scholarship	PhD studies – commenced 2015
Sandeep Sampangi	QUT Scholarship	PhD studies – completed 2015



## Liver Trials Group

The Liver Trials Group, under Prof Barbara Leggett and Dr Richard Skoien, remains an important centre for international clinical/therapeutic trials in the areas of chronic Hepatitis C, Fatty Liver Disease and Hepatocellular Carcinoma (HCC). Dr Richard Skoien has also continued his work, in collaboration with the Hepatic Fibrosis Group (Prof Grant Ramm, QIMR Berghofer), on the study of circulating microRNAs as potential biomarkers in chronic liver disease. A number of projects examining their roles as potential predictors of cirrhosis-related complications and diagnostic markers of HCC are ongoing. A successful SEED application also supported a project to prospectively assess the cost-effectiveness and efficacy of the Hepatoma and Compensated Cirrhotic Follow-up (HAC-FOL) programme as a new standard of care in HCC surveillance at the RBWH.

The work of the colorectal cancer research group led by Barbara Leggett has been pivotal in the recognition that cancer can arise in serrated colorectal polyps. Previously these polyps were regarded as having no malignant potential and were not targeted for removal at colonoscopy. In fact, approximately 20% of all colorectal cancers arise in serrated polyps. Since colorectal cancer is one of the most common malignancies in Australia with over 14,000 cases annually, this equates to about 2,800 cases of serrated pathway cancers per year. Discoveries by this group have changed the practice of colonoscopy to better prevent cancer. Ongoing research aims to understand the underlying molecular pathology to identify high risk polyps for enhanced surveillance and to develop chemoprevention. The importance of the work is reflected in frequent invitations for Prof Leggett and her collaborators to speak at international and national meetings.

The endoscopy research group is currently involved in projects about novel endoscopic techniques, small bowel endoscopy, endoscopy outcomes and familial cancer syndromes.

The GI inflammation/Inflammatory Bowel Diseases group led by Graham Radford-Smith continues to play a lead role across the state and the region with multiple clinical and research initiatives focused on optimization of patient care and improved understanding of disease pathogenesis. The work includes the development of revolutionary, bespoke software for IBD management, the further development of the charity – Crohn's Colitis Cure, chairing of the ANZ IBD Consortium, and identifying variance in care for IBD patients across different jurisdictions. Ongoing research aims to improve the treatment of acute IBD, particularly for those individuals living in regional and remote Australia, and to identify more cost-effective biomarkers for the early diagnosis of colonic polyps, GI cancers and IBD.

### Supervised Post-graduate Research Students

Name	Current Studies University (duration)	Research Project Title	Supervisors (RBWH staff in bold)
Anna Weis	PhD, UQ (2014–2017)	New non-invasive methods to detect progression of liver disease and identify patients at highest risk of cirrhosis-related mortality	<b>Richard Skoien</b> , Grant Ramm
Mark Bettington	PhD, UQ (2013–2015)	Identification of molecular features of high risk colorectal polyps	<b>Barbara Leggett</b> , Vicki Whitehall, Neal Walker
Yoon An	MPhil, UQ (2015–2016)	Improving the quality of colonoscopy (candidature start date extended)	<b>Mark Appleyard</b> , David Hewett
James Irwin	MPhil, UQ (2013–2016)	Longitudinal predictors of poor outcome in Crohn's disease	<b>Graham Radford-Smith</b> , James Doecke
Des Patrick	MPhil, UQ (2015–2017)	Effect of pre-admission immunosuppressive therapy and regional versus metropolitan hospital presentation on colectomy rates in acute severe ulcerative colitis (ASUC)	<b>Graham Radford-Smith</b> , <b>Mariko Howlett</b>
Richard Cheng	MPhil, UQ (2015–2017)	Host and Environmental Factors Determining the Timing of First Intestinal Resection and Surgical Recurrence in a Crohn's Disease Inception Cohort	<b>Graham Radford-Smith</b> , <b>Mariko Howlett</b> , James Irwin

### Research Fellows

Name	Type of Fellowship	Research Program	University (years)
Des Patrick	Conjoint Fellow	Inflammatory Bowel Diseases	UQ (2015–17)
Richard Cheng	Conjoint Fellow	Inflammatory Bowel Diseases	UQ (2015–17)

## Liver Trials Group (cont)

### Current RBWH Led Research Activity

RBWH Lead Researchers	Collaborative Researchers (RBWH staff in bold)	Research Project Title
Richard Skoien	Anna Weis, Grant Ramm Leesa Wockner	Serum markers in atypical liver lesions (SMALL) study
Richard Skoien	<b>Olivia Cullen, Alicia Braund, Mary Fenech, Karen Beckman, Deborah McIntyre, Joanne Mina</b>	The Hepatoma and Compensated Cirrhotic Follow-up (HACC-FOL) programme – a new streamlined, safe and cost-effective model of hepatocellular carcinoma surveillance
Richard Skoien	Anna Weis, Leesa Wockner, Grant Ramm	MicroRNAs as potential serum biomarkers of fibrosis progression and hepatocellular carcinoma development in chronic Hepatitis C
Richard Skoien	<b>Barbara Leggett, Olivia Cullen, Karen Beckman,</b> Anna Weis, Emily Duggan, Grant Ramm	Establishment of a clinical and scientific hepatology database to study factors associated with chronic liver disease
Richard Skoien	Grant Ramm, Paul Clark, Anna Weis	Developing a novel blood test to improve the early diagnosis of liver cancer
Barbara Leggett	Vicki Whitehall (Pathology Queensland)	Molecular genetics of colorectal serrated neoplasia
Mark Appleyard	<b>Florian Grimpen,</b> Dr Schoeman (Royal Adelaide), Dr Lim (Christchurch, NZ)	Randomised control trial of preparation prior to capsule endoscopy
Graham Radford-Smith	Members of the ANZ IBD Consortium (Grant Montgomery, Jane Andrews, Ian Lawrance, Richard Geary, Susie Connor et al)	Genomic Medicine: Predictors of refractory ulcerative colitis and its response to treatment
Graham Radford-Smith	Simon Keely	Serum hypoxia markers as biomarkers for IBD
Graham Radford-Smith	Lisa Simms, Mark Appleyard	Optimizing Gastrointestinal (GI) cancer screening in Queensland: the application of clinical, genetic and faecal biomarkers to improve the early detection of GI cancers
Helen Mar Fan	<b>Barbara Leggett</b>	Identification of the Gene Causing Hereditary Flat Adenoma Syndrome

### Other Current Collaborative Research Activity

Collaborative Lead Researchers	RBWH Researchers	Research Project Title
Jolieke Van der Pols (UQ)	Barbara Leggett	Barbara Leggett
Daniel Worthley (University of Adelaide)	Barbara Leggett	Barbara Leggett
Futoshi Kawamata (Hokkaido University)	Barbara Leggett	Barbara Leggett
Finlay Macrae (Royal Melbourne Hospital)	Mark Appleyard	Mark Appleyard
Gregor Brown (Alfred Hospital, Melbourne)	Florian Grimpen	Florian Grimpen
CSIRO UQCCR	Florian Grimpen	Florian Grimpen
Jane Andrews (Royal Adelaide Hospital, University of Adelaide)	Graham Radford-Smith	Graham Radford-Smith
Greg Anderson (QIMR Berghofer)	Graham Radford-Smith	Graham Radford-Smith
John Croese (TPCH)	Graham Radford-Smith	Graham Radford-Smith

## Liver Trials Group *(cont)*

### Research Awards and Achievements

Recipient	Award	Event
Mark Bettington	Best Basic Clinical Science Research	RBWH Healthcare Symposium
Mark Bettington	Young Investigator Awards Finalist	Gastroenterology Society of Queensland
Winnie Fernando	Young Investigator Award	Gastroenterology Society of Australia
Mark Bettington	Dean's award for outstanding PhD	UQ
Des Patrick	Young Investigator Awards Finalist	Gastroenterology Society of Queensland
Anna McMahon	Young Investigator Awards Finalist	Gastroenterology Society of Queensland
Richard Cheng	Young Investigator Awards Finalist	Gastroenterology Society of Queensland
Des Patrick	UQ scholarship (2015–2 years)	UQ
Richard Cheng	RBWH scholarship (2015–1 year)	RBWH Foundation



## Motor Neurone Disease Research

The Motor Neuron Disease (MND) research team under Dr Rob Henderson and Prof Pam McCombe has expanded and implemented new strategies during this period to maximise recruitment and provide additional support to facilitate research participation for interested patients. The team now includes neurologists, scientists, nurses, a PhD student and a neuropsychologist. The team has links to University of Qld, Qld Brain Institute and other Australian and overseas MND research collaborators.

A dedicated MND Research Clinic was established twice a month to allow interested patients to meet the research team and discuss the various MND projects. Patients are encouraged to ask questions and the patient then has a contact person to clarify any concerns or queries that may later arise. The clinic also allows additional time apart from the clinical visit to collect information related to specific MND projects from consenting patients in a more relaxed and informal environment.

The appointment of a neuropsychologist into the research team has allowed an increased focus on cognitive and behavioural research for MND patients. She has also been involved with collaborative research with another MND centre within Australia. Part of her research involves feedback to patients and carers regarding their neuropsychological testing and providing strategies to help manage deficits found.

A novel project has been commenced investigating metabolism in MND patients which has suggested some patients experience hypermetabolism as a mechanism for rapid weight loss. Work is ongoing to develop clinical strategies for at risk patients and to expand the project to other centres.

The causes of MND are not well understood. There are also limited treatment options available for these patients. MND research explores progress, causes and potential treatments for the disease. It allows the patient an opportunity to be involved in clinical drug trials as available as well as investigator-led research projects.

### Supervised Post-graduate Research Students

Name	Current Studies University (duration)	Research Project Title	Supervisors (RBWH staff in bold)
Zara Ioannides	PhD, UQ (2015–2018)	Energy metabolism and lipid storage in motor neurone disease (MND)	<b>Rob Henderson</b>
Zhouwei Xu	PhD, UQ (2014–2017)	Cognitive dysfunction in motor neurone disease	<b>Pam McCombe, Rob Henderson</b> , Shyuan Ngo, Frederick Steyn

### Current RBWH Led Research Activity

RBWH Lead Researchers	Collaborative Researchers (RBWH staff in bold)	Research Project Title
Rosemary Argall	<b>Rob Henderson, Pam McCombe</b> , Gail Robinson (UQ)	Assessment of cognition and behaviour in Motor Neuron Disease in a clinical setting and the impact of education sessions on care giver well-being
Rob Henderson, Pam McCombe	Shyuan Ngo	Assessment of biomarkers in Motor Neurone Disease (MND)
Kimberley Forrest	<b>Rob Henderson, John O'Sullivan, Anna Farrell</b>	Botulinum Toxin for Sialorrhoea in Amyotrophic Lateral Sclerosis – <i>Does Ultrasound Guidance and Submandibular Infection Improve Outcomes?</i>
Rob Henderson, Pam McCombe	Stephen Rose, <b>Alan Coulthard</b>	Measuring disease of upper and lower motor neurons in Amyotrophic Lateral Sclerosis (ALS)

### Other Current Collaborative Research Activity

Collaborative Lead Researchers	RBWH Researchers	Research Project Title
Zara Ioannides, Shyuan Ngo, Frederick Steyn	Rob Henderson, Pam McCombe	Energy metabolism and Lipid storage in motor neurone disease (MND)
Christine Guo, Gail Robinson	Michael Breakspear, Rob Henderson	Neurobiology-informed diagnostic toolkit for neurodegenerative diseases
Peter Noakes	Rob Henderson	Abnormalities of muscle and neuromuscular junction in motor neuron disease (MND)

Motor Neurone Disease Research *(cont)*

Research Awards and Achievements

Recipient	Award	Event
Shyuan Ngo	Senior Researcher Award	Australian Society for Medical Research (ASMR) Queensland Health and Medical Research Awards
Frederik Steyn	RBWH Clinical Research presentation award	-



## Department of Neurology

Professor Theresa Green leads the Stroke Nursing Professorial Unit at RBWH and is currently a Principal Investigator on two state-wide grants. One is a rehabilitation pathway study, *Building efficient and equitable pathways to and through rehabilitation in stroke* (BEEPRS) which spans the entire MNHHS with eight participating sites; Prof Green is coordinating four sites – RBWH, TPCB, Redcliffe and Caboolture. The second project – *Collaborative for Hospitalised Elders: Reducing the Impact of Stays in Hospital* (CHERISH) – is a multi-site RCT examining the “Eat Walk Engage” program at four metropolitan, community and regional hospital sites.

The aim of the Stroke Nursing Professorial Unit is to develop and expand research capacity in stroke nursing at Metro North Hospital and Health Service, and to engage clinical nursing staff in critical thinking about evidence informed nursing practice in the delivery of stroke care in the acute setting. As the professorial unit develops, research projects will span the continuum of stroke and neurological care across multiple settings and services including acute care, rehabilitation services and community reintegration.

During the first year of this professorial unit, we have submitted a grant application to the NMWB of AU and there has been an increase in the number of stroke-related abstract presentations (oral and poster) at national and international conferences, with systematic review publications pending. It expected this number will continue to grow as research proposals, based on clinical needs identified by practicing clinicians are moved forward over the upcoming year. Networks have been established with stroke nursing and allied health professionals across MNHHS and similar collaborative relationships developed across the state of QLD.

Prof Green has many international links; this year she was invited to sit on the editorial board of the American Rehabilitation Nursing Journal, the scientific review committee for the International Stroke Conference Nursing Symposium, and the Stroke Nursing Committee of the Council on Cardiovascular and Stroke Nursing. She was an invited speaker at an International Cardiovascular conference and has presented locally at workshops and symposiums. She is a peer reviewer for several high ranking nursing and medical journals, including Stroke, the International Journal of Stroke, Rehabilitation Nursing, Journal of Advanced Nursing and Journal of Clinical Nursing.

### Supervised Post-graduate Research Students

Name	Current Studies University (duration)	Research Project Title	Supervisors (RBWH staff in bold)
Nicole Coghlan	MPhil	Factors affecting adherence to compression garments in an adult burns population	<b>Sue Laracy</b> , Jenny Strong, Jodie Copely, Tammy Aplin
Michelle Donovan	MPhil (2010–2016)	Improving donor site epithelisation and scar maturation times following split skin grafting in Burns patients: <i>A novel research study using compression therapy</i>	<b>Michael Muller</b> , <b>Jennifer Paratz</b> , Zephane Tyack.
Sarah Kekki	Masters in Clinical Rehabilitation Flinders University	Intensity of UL practice in occupational therapy treatment in adult stroke population	<b>Sue Laracy</b> , Chris Barr, <b>Giovanna Tornatore</b>
Emma Schleiger	PhD, UQ (2012–2016)	Investigating the ability of post-stroke eeg measures of brain dysfunction to inform early prediction of cognitive impairment or depression outcomes	<b>Simon Finnigan</b> , <b>Andrew Wong</b> , Stephen Read

### Research Fellows

Name	Type of Fellowship	Research Program	University (years)
Nicole Coghlan	Crammond Fellow in Pain Management	M Phil	UQ



## Department of Neurology (cont)

### Current RBWH Led Research Activity

RBWH Lead Researchers	Collaborative Researchers	Research Project Title
Kirsten Cook	<b>Sue Laracy, Shireen Senewiratne</b>	Occupational Therapy in the Treatment of Carpal Tunnel Syndrome for Patients Referred for Surgical Opinion in an Australian Public Hospital
Tennille Rowland	<b>Sue Laracy, Giovanna Tornatore, Beverley Lewis, Simon Finnigan</b>	Occupational therapy stroke audit: Measuring compliance of occupational therapy practice with evidence-based guidelines
Sue Laracy	Cate Fitzgerald, <b>Bev Lewis</b>	Supporting the transition to practice of new graduate occupational therapist using a clinical education framework
Nicole Andrews	Jenny Strong, Pamela Meredith, <b>Julia Fleming</b> , Kellie Gordon, Karl Bagraith, Genevieve Donohue, Rachel D'Arrigo	An exploration of overactivity in chronic pain
Robyn Scheer	<b>Emma Foley, Nicole Andrews, Sue Laracy</b>	The effect of limb position on leg circumference measurements in patients diagnosed with lower limb lymphoedema
Andrew Wong	Geoffrey Donnan (The Florey Institute of Neuroscience and Mental Health), Stephen Davis (Royal Melbourne Hospital)	A randomised, multicentre, double blinded, placebo controlled phase 3 trial in ischaemic stroke patients with significant penumbral mismatch at 4.5 – 9 hours post onset of stroke or after 'wake up' stroke comparing intravenous tPA with placebo
Andrew Wong	Mark Parsons (John Hunter Hospital)	A multicentre, prospective, randomised open-label blinded endpoint phase III study in stroke thrombolysis patients to compare tenecteplase and alteplase for an outcome of less disability at three months
Andrew Wong	Han-Christoph Diener	A randomized, double-blind, evaluation in secondary stroke prevention comparing the efficacy and safety of the oral thrombin inhibitor dabigatran etexilate versus acetylsalicylic acid in patients with embolic stroke of undetermined source
Andrew Wong	S. Claiborne Johnston	A randomised, double-blind, multinational study to prevent major vascular events with ticagrelor compared to aspirin in patients with acute ischaemic stroke or TIA

### Other Current Collaborative Research Activity

Collaborative Lead Researchers	RBWH Researchers	Research Project Title
Emma Schleiger (UQCCR)	Tennille Rowland (Occupational Therapy), Andrew Wong (Stroke Unit)	Quantitative EEG in Stroke: Role of quantitative EEG in diagnosis, prognostication and management of acute stroke.
Alexia Rohde (UQ)	Anna Farrell (Speech Pathology), Andrew Wong (Stroke Unit), Genevieve Skinner (Stroke Unit)	Interrater and intrarater reliability of tasks used in the identification of acute post-stroke aphasia: <i>A rational clinical examination approach</i> .
Dominique Cadilhac (Monash University)	Andrew Wong (Stroke Unit)	A collaborative, national effort to monitor, promote and improve the quality of stroke care in hospitals and patient outcomes.
Lucy Thomas (UQ)	Andrew Wong (Stroke Unit)	An evaluation of the seasonal variability of the incidence of craniocervical dissection in the CADISS trial.

### Research Awards and Achievements

Recipient	Award	Event
Nicole Andrews, Jenny Strong, Pamela Meredith, Kellie Gordon, Karl Bagraith	PAIN's 2015 most cited paper award	-

## Department of Nuclear Medicine/Specialised PET Services QLD

The Department of Nuclear Medicine at RBWH is one of the largest in Australia. It provides a referral, diagnostic and therapeutic nuclear medicine service with four SPECT/CT gamma cameras, one solid state cardiac camera, BMD dual energy X-ray absorptiometry (DEXA) and a pQCT scanner. Research interests in nuclear medicine include image reconstruction methodologies, application of gating and bone mineral densitometry in various disease states.

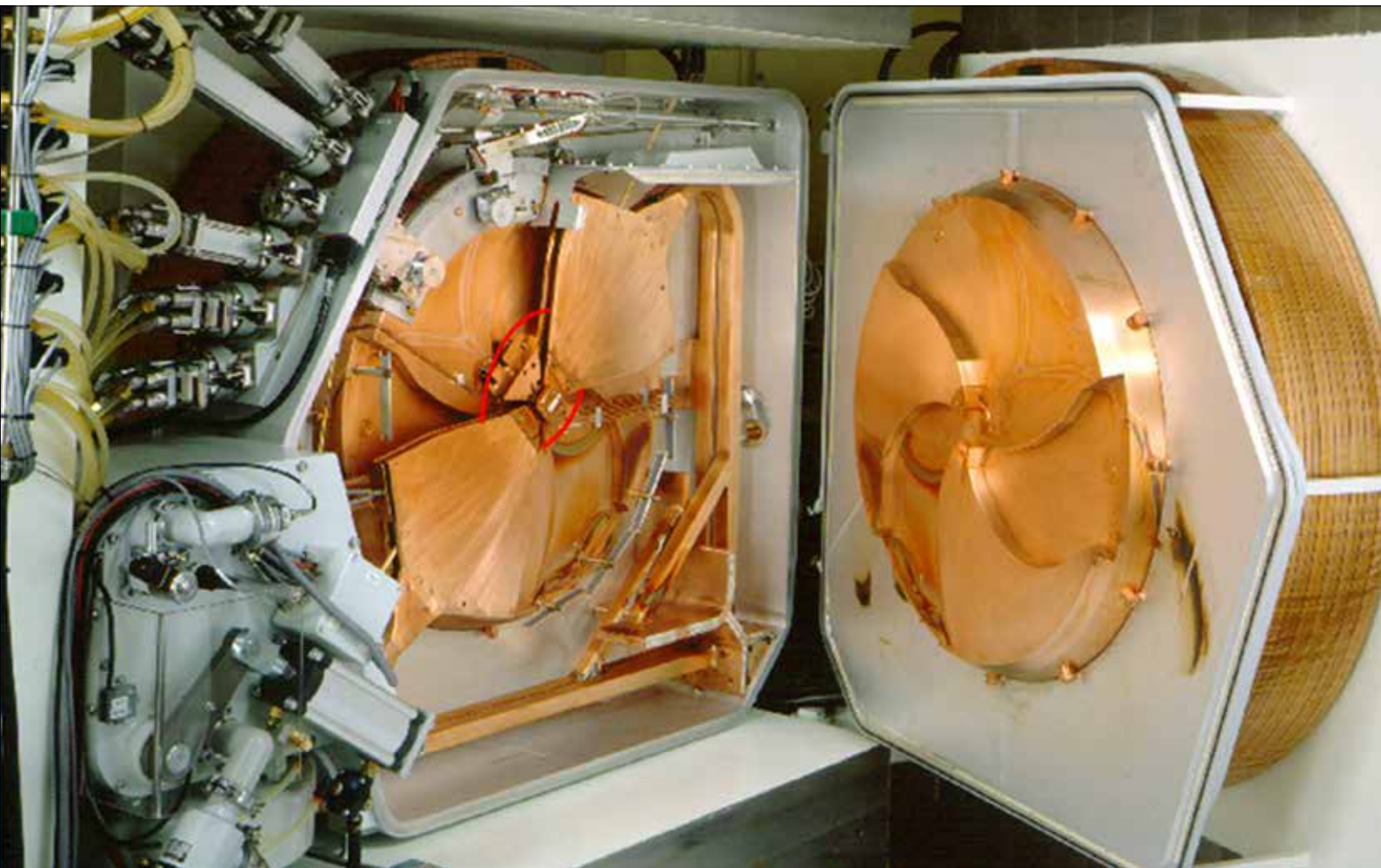
The department hosts the state-wide Specialised PET Services Queensland, which operates two state-of-the-art PET/CT scanners and a TGA accredited radio laboratory operating a cyclotron. It offers research facilities to a wide variety of investigators. In addition to conventional tracers such as fluorodeoxyglucose (18FDG), the Service also conducts research using 18FDOPA, 18FMISO and 68Ga-DOTATATE and 68Ga-PSMA. 68Ga-Pentixafor is currently being used in animal studies, allowing for the study and research of a greater range of diseases. There is also ongoing research interest in image reconstruction algorithms, respiratory gating and image analysis techniques.

### Supervised Post-graduate Research Students

Name	Current Studies University (duration)	Research Project Title	Supervisors (RBWH staff in bold)
Ghazi Albaroum	M App Sc (2015)	Monte Carlo Modelling of Radio nuclides	Jye Smith

### Current RBWH Led Research Activity

RBWH Lead Researchers	Collaborative Researchers (RBWH staff in bold)	Research Project Title
Paul Thomas	Roger Allison, Graeme Dickie	A Pilot Project on the impact of PSMA PET on radiotherapy planning in high risk prostate cancer.
Manoj Bhatt		Comparison of Ga-68-DOTATATE PET-CT with dynamic PET, post-contrast MRI and PET-MRI in patients with known Neuroendocrine tumour with liver metastases.



# Palliative and Supportive Care

In 2015, SEED funding from Metro North HHS enabled the Palliative and Supportive Care Service to undertake an important piece of work that will support the evidence required to understand the population needs for end of life care.

This study was undertaken as a Point Prevalence Survey project to enable the RBWH Palliative Care service to profile the in-patient hospital population using internationally validated criteria to identify those acute patients with short life expectancy with a view to improving care at the end of life.

The prevalence tool was based upon the SPICT TOOL, the application of ‘the Surprise Question’ from the UK Gold Standards Framework, and a FRAILTY scale.

Clinical charts of patients identified in the point prevalence audit as likely entering the final year of life were analysed for evidence of Advance Care Planning documentation and Goals of Care.

The Project outcome will be a definitive in-patient profile which demonstrates the number and nature of end of life/palliative care needs. This will allow for discussion among treating and supporting teams regarding determining goals of care, optimal collaboration and care for patients approaching the end of life.

A major outcome of the Project will be the establishment of a standardized, accessible and tested tool for assessing end of life/palliative care needs status by multidisciplinary clinical teams. It will include the potential for transferability to other MN facilities, for collaboration across State-wide and National Palliative Care Networks and for international learning.

**Dr Carol Douglas**  
External Reviewer  
Journal Palliative Medicine and Internal Medicine Journal

## Current RBWH Led Research Activity

RBWH Lead Researchers	Collaborative Researchers <i>(RBWH staff in bold)</i>	Research Project Title
Carol Douglas	<b>Alison Mudge</b>	End of Life Point Prevalence Survey





## Department of Rheumatology

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The rheumatology department provides a comprehensive range of diagnostic and therapeutic services to patients with acute and chronic musculoskeletal disease. Areas of research interest include assessment and management of autoimmune inflammatory arthritis, gouty arthritis, eye conditions related to systemic arthritis and Systemic Lupus Erythematosus (SLE). Specifically, the department has a research interest in applying therapeutic drug monitoring to clinical practice with the aim of providing individualised medicine management. Gout research involves epidemiology and clinical outcomes.

The department liaises closely with other medical specialties, clinical pharmacy services, allied health and community service providers to optimise patient outcomes. There is a monthly combined renal-rheumatology clinic (vasculitis and SLE) which provides clinical outcome data and reporting.





## Medical Services



**Dr Judy Graves**  
Executive Director  
Medical Services

Medical Services is responsible for providing support to all areas of RBWH in all aspects of medical administration. The Service Line encompasses several departments and a key research governance committee that contribute to invaluable research activities for the organisation.

The RBWH Human Research Ethics Committee (HREC) is one of two HRECs in the Metro North Hospital and Health Service. The RBWH HREC is registered with the National Health and Medical Research Council (NHMRC) (Registration No: EC00172) and is certified by the NHMRC as a lead HREC under the National Approach to Single Ethical Review of Multi-Centre Research. HREC provides the appropriate regulatory, ethical and scientific standards oversight for research activities at the RBWH, and in 2015 considered 227 new research proposals and approved 207.

The CPCRE conducts palliative care translational research that improves the links between research and practice and supports palliative care service delivery by providing evidence based information for the workforce. The Centre Director and Clinical Research Program Leader have been awarded funding for collaborative research projects in palliative care from a variety of local and national research funding organisations. These include; NHMRC, Australian Research Council, Cancer Council Queensland, Mater Medical Research Institute, Department of Health (DOH) and Australian Government.

The RBWH Safety and Quality Unit undertake research activities as part of the quality improvement in health care service delivery. In 2015 the RBWH Safety and Quality Unit completed a research project in partnership with the Australian Commission on Safety and Quality In Health Care and three other Australian Hospitals. This project investigated whether ICD coded data could be used as a potential quality improvement data set for front line clinical teams. The outcome of this project is expected to be published in 2017.

# Centre for Palliative Care Research and Education



**Prof. Patsy Yates**  
**Director**  
 Centre for Palliative Care Research  
 and Education

The primary role of the CPCRE is to enhance palliative care services in Queensland through research and education endeavours. To achieve these aims, CPCRE operates as a 'centre without walls', committed to building and fostering partnerships with the palliative care community in its endeavours.

## Highlights of 2015:

The Centre Director and Clinical Research Program Leader have been awarded NHMRC, Australian Research Council, Cancer Council Queensland, Mater Medical Research Institute, Department of Health (DOH) and Australian Government funding for collaborative research projects in palliative care. Research projects are multi-disciplinary and are across institutions, and project results have been published in national and international peer reviewed publications. Director and Clinical Research Program Leader hold appointments on national and international Palliative Care/Oncological and Nursing advisory boards/reference groups.

CPCRE education activities include: The General Practice Palliative Care Education Program; The Program of Experience in the Palliative Approach; The Evidence Based Palliative Care Strategy; The Queensland Palliative Care Research Group and Workforce Development Programs. The Centre disseminates pertinent Palliative Care education and research information to health professionals via: the CPCRE Website, CPCRE Newsletter(quarterly), CPCRE Calendar (biannually), Monthly E-Bulletins, the Annual Research Conference and the Annual Palliative Care Update Symposium (topic rotates 3 yearly between general medicine, oncology and supportive care).

## Benefits for clinical practice:

The centre's work focuses on:

- Developing the capacity of the palliative care workforce to provide quality palliative care
- Improving the links between research and practice in palliative care
- Undertaking research to enhance the quality of palliative care
- Providing information which supports the delivery of palliative care services.

## Supervised Post-graduate Research Students

Name	Current Studies University (duration)	Research Project Title	Supervisors (RBWH staff in bold)
Vanessa Brunelli	PhD, QUT (2013–2017)	Evaluating a program for developing specialist cancer nurse competencies for effective and sustainable self-management of dyspnoea in lung cancer patients	<b>Patsy Yates</b> , Carol Windsor
Elise Button	PhD, QUT (2014–2018)	Identifying risk of deteriorating and dying in people with haematological malignancy	<b>Patsy Yates</b> , <b>Raymond Chan</b> , Shirley Chambers, Jason Butler
Elisabeth Campbell	Masters by Research, QUT (2014–2018)	The development of a scale to measure cancer patients' self-efficacy with managing symptoms and treatment side effects	<b>Patsy Yates</b> , Kimberly Alexander
Jennifer Fox	PhD, QUT (2012–2015)	The transition to palliative care: A critical exploration in the context of metastatic melanoma	<b>Patsy Yates</b>
Alaa Hafiz	PhD, QUT (2013–2017)	Enhancing the competence of paediatric palliative care nurses in Saudi Arabia	<b>Patsy Yates</b> , Joanne Ramsbotham
James Hughes	PhD, QUT (2014–2019)	Person, environment and health and illness factors influencing time to analgesia and patient experience of pain management	<b>Patsy Yates</b> , Kimberly Alexander



## Centre for Palliative Care Research and Education (cont)

### Supervised Post-graduate Research Students (cont)

Name	Current Studies University (duration)	Research Project Title	Supervisors (RBWH staff in bold)
Jennifer Leutenegger	Masters by Research, QUT (2015–2019)	Integrating rural and urban model of nursing care – <i>How do we prepare for the virtual chemotherapy experience?</i>	<b>Patsy Yates,</b> Kimberly Alexander, <b>Raymond Chan</b>
Lawrence Lim	Professional Doctorate, QUT (2012–2017)	An assessment of the Continuous Quality Improvement implementation in palliative care services	<b>Patsy Yates,</b> Shirley Chambers
Nguyen Thuy Ly	PhD, QUT (2015–2019)	Symptom cluster management and quality of life among patients with cancer in Vietnam	<b>Patsy Yates,</b> Kimberly Alexander
Sarah Northfield	Masters by Research, QUT (2014–2017)	Referral processes to specialist palliative care services: an Australian practice survey of health care professionals	<b>Patsy Yates, Raymond Chan,</b> John Rosenberg
Doreen Tapsall	Professional Doctorate, QUT (2011–2019)	Design, implementation and evaluation of a new model of nurse education in the haematology/ oncology setting	<b>Patsy Yates,</b> Kimberly Alexander
Sudeep Raj Bista	PhD, Griffith University (2011–2015)	Improving analgesia in cancer patients	<b>Janet Hardy</b>
Chris McKeon	Master of Science, UWS (2009–2015)	Electroacupuncture in chemotherapy-induced nausea and vomiting	<b>Janet Hardy</b>
Rani George	PhD, Griffith University (2013–2017)	Individualisation of pain management in cancer patients – <i>Methadone</i>	<b>Janet Hardy</b>
Tony Hall	PhD, UQ, Griffith, Mater Medical Research Institute (awarded 2015)	The pharmaco-kinetic, pharmaco-dynamic and adverse event relationships of gabapentin and pregabalin in the management of persistent pain	<b>Janet Hardy</b>
Claire White	Doctor of Medicine, Queens University, Belfast (awarded 2015)	Willingness of palliative care patients and relatives to undergo research in palliative care	<b>Janet Hardy</b>

### Research Fellows

Name	Type of Fellowship	Research Program	University (years)
John Rosenberg	Research Fellow	Palliative Care Services	QUT (2014–2017)

### Research Awards and Achievements

Recipient	Award	Event
Rose Kamateros, Cathie Pigott, Heather Watson, Kylie Ash, <b>Patsy Yates</b> , Jo-Anne Martin, Chelsea Victor, Jess Jude, Fleur Llewelyn, Shannon Uren, Di Saward, Bobbi Moore, Tim Shaw, Meinir Krishnasamy	Best Poster Award	CNSA 18 <sup>th</sup> Winter Congress, 14 <sup>th</sup> –16 <sup>th</sup> June 2015

## Safety and Quality Unit

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**Therese Lee**  
**Director**  
**Safety and Quality Unit**

The Safety and Quality Unit is responsible for the provision of organisational services based on a commitment to continuous quality improvement aimed at enhancing patient focussed services and achieving the best standards of care. The unit also provides support to the Safety and Quality Committee and service lines to promote and facilitate service improvements to enhance safer patient outcomes.

Research has focussed on falls prevention and reducing harm and the impacts of frequent patient moves on clinical outcomes and the overall patient experience. Additionally, RBWH remains focussed on strengthening consumer engagement across the facility to better inform service design and delivery to improve the patient journey. The Safety and Quality Unit continues the focus on patient safety and Root Cause Analysis as a component of clinical incident management.





# Medical Imaging Services



**Assoc. Prof. Noelle Cridland**  
Executive Director  
Medical Imaging Services

The Department of Medical Imaging (DMI) provides a full range of diagnostic and interventional imaging services. DMI actively undertakes clinical research in departmental, interdepartmental and multi-site collaborative research projects. Under the directorship of Professor Alan Coulthard, the DMI Research Office supports approximately 20 departmental research projects and 70 service-based research studies for which the department provides imaging services to both research projects and clinical trials established by other RBWH departments or external research groups, for example UQ.

The aims of the DMI Research Office have been two-fold: to strengthen the relationships it currently has with other research groups within the RBWH and externally, and to substantially develop the research interests of staff within the department. This approach has resulted in the completion of seven service-based projects (with subsequent publications), the development of 15 new service-based projects, as well as 18 departmental projects. The DMI Research Office also provides research support to radiology registrars and residents. Registrars are required by the Royal Australian and New Zealand College of Radiologists (RANZCR) to complete two research projects to fulfil their specialty training requirements. Registrars are supervised by consultants from DMI and from other radiology training sites in Queensland. Furthermore, residents are encouraged to become involved in either existing departmental projects or to develop smaller projects which they may present at local or national conferences. The department, therefore, successfully provides an environment for junior doctors to develop key research skills required for their future progression to the Queensland Radiology Training Programme.

There are many clinical benefits attributed to conducting research within DMI. Primarily, our research provides valuable insights into the standards of practice within the department by exploring new diagnostic and interventional avenues. In addition, various clinical trials currently being conducted within DMI may potentially lead to changes of practice which will directly result in improved patient treatment and care across all imaging modalities. For example one ongoing study within DMI is attempting to determine the best practice and technology to identify anti-platelet coagulation prior to patients having a neuro-interventional procedure. Similarly, one of the new studies initiated in 2015 will look at the number of silent strokes that occur during a neuro-interventional procedure with a view to using better anti-coagulation regimes. The results of these studies will have immediate benefits to our patients' treatment and their outcomes.

DMI has successfully obtained a number of research grants during 2015 to support its research interests. These grants have been awarded from a range of different funding bodies including the RBWH Foundation, RANZCR and National Health and Medical Research Council. Furthermore, DMI has maintained its publication output having nine publications accepted by peer-reviewed journals as well as having consistent representation at various national and international conferences by consultants, registrars and radiography staff.

## Supervised Post-graduate Research Students

Name	Current Studies <i>University (duration)</i>	Research Project Title	Supervisors <i>(RBWH staff in bold)</i>
Nicole Waters	MPhil, UQ (2015–2018)	Silent Strokes Study: Prospective study of clinically silent ischaemic events post-elective endovascular treatment of intracranial aneurysms.	<b>Alan Coulthard</b>
Cara Odenthal	MPhil, UQ (2013–2017)	Corpus Callosum atrophy: a predictor of future disease burden in patients presenting with clinically isolated syndrome.	<b>Alan Coulthard</b>
Patrick Eastgate	PhD, QUT (2015–2018)	Patterns in current imaging practice in an emergency department.	Steven McPhail

## Research Fellows

Name	Type of Fellowship	Research Program	University <i>(years)</i>
Alya Saeed	Women's Imaging	Hook-wire localisation of breast lesions.	King Abdulaziz University



## Medical Imaging Services *(cont)*

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Policy and practice guidelines internationally highlight the importance of organising and delivering health care on the basis of robust evidence. Charged with efficiently delivering high quality services to meet the diverse and often changing needs of heterogeneous populations, mental health services need evidence of varying kinds. To ensure that evidence is relevant and useful, it is critical that services are actively engaged in identifying areas needing exploration and the development of the evidence.





## Mental Health Services



**Assoc. Prof. Brett Emmerson**  
Executive Director  
Metro North Mental Health Service

Recognising this, MNMH has invested substantially over the last decade in human and technological resources, building a robust research infrastructure, expertise and capacity. Research is increasingly integrated in the fabric of services. We support conjoint clinical academic appointments with various universities, actively encourage and support clinicians to undertake post-graduate study and collaborate effectively with a range of stakeholders, locally, nationally and internationally. The return on investment is impressive and growing with increasing numbers of staff across disciplines and service lines playing active roles in the design and conduct of research and translation of evidence to practice. As is evidenced by the impressive lists of publications and other dissemination activities, grants and awards, research in its many forms, and evaluation and quality improvement activities are flourishing across MNMH-RBWH. The number and calibre of MNMH-RBWH staff undertaking post graduate studies is pleasing and we note that our researchers are nurturing the next generation of researchers by providing formal supervision in their areas of expertise. With increasing interest in research and related activities evident across service lines and disciplinary groups, 2015 was productive and rewarding.

We were delighted to see the substantial and important research work of three RBWH staff recognised at the Inaugural Metro North Research Awards. Dr Dylan Flaws' ground breaking research into predictive modelling won him the Rising Star, Early Career Researcher, just four years after graduating from medical school. Dylan is a psychiatric registrar at the RBWH. A/Prof James Scott, consultant psychiatrist with the Early Psychosis team won the Promoting Healthy Minds and Bodies category for his work related to the physical and mental health of young Australians. Professor Michael Breakspear who received The Technology and Biotechnology Award for his world-leading research using non-invasive technologies to unravel the mysteries of the brain, also took out the Researcher of the Year Award (selected from category winners). Each of these awards reflects the sustained efforts and inspiration of the research teams, clinicians and consumers and carers who contribute in various ways.

## Metro North Mental Health: RBWH – Introduction

The research conducted by Metro North Mental Health-RBWH researchers and clinicians spans the mental health research spectrum encompassing cutting edge computational neuroscience, clinical research, interventional clinical studies and health services and policy research. Working in partnership with collaborators from world renowned universities and research institutes our researchers are seeking answers to important questions related to mental health of various age and diagnostic groups. Their expertise is vast and diverse but they are united in a commitment to generating evidence to improve the health and lives of people affected by severe mental illness, and promote mental health of the population. The local, national and international collaborations with a range of stakeholders ensure complementary expertise is brought to the table and that studies contribute to a cohesive body of evidence, optimising return on investment.

While we describe various research groups for the purposes of this report, it is important to note that the diverse work of MNMH-RBWH researchers and clinicians is not all readily compartmentalised. Some is conducted by, or within a particular research group (such as systems neuroscience, forensic mental health). Other studies or activities relevant to a defined population (e.g. early psychosis, eating disorders or older person's mental health services) involve collaborations across research groups and with other partners, within and external to RBWH. Some of the activity involves clinical research, with RBWH clinician researchers working as a member of national or international study teams. Much activity is more wide ranging, related to the design and delivery of health services, quality improvement and the translation of evidence to practice, conducted 'in house' and in partnership with a range of academic and community agencies and consumers and carers.

## Systems Neuroscience

Led by Professor Michael Breakspear, Consultant Psychiatrist at the RBWH, the Program of Mental Health Research at QIMR Berghofer involves epidemiological, genetic, neurobiological and computational research into the major mental health disorders. The Program integrates the work of six different research groups across these areas. The research ranges from basic wet-lab research, to large population-based studies of genetic risk conducted with international consortia, through to the latest in computer modelling and brain imaging technologies. Research encompasses most major mental health disorders, including dementia, major depression, bipolar disorder, ADHD, OCD, post-natal depression and schizophrenia. The Systems Neuroscience team also undertake research into the psychiatric aspects of mood disorders and into epilepsy and neonatal encephalitis.

Our research covers many areas of direct relevance to patients and their families, including the nature of genetic and environmental risk factors for mental illness, examining their natural history and their causes. We are also developing imaging-based tests for better diagnosis and to monitor response to treatment. Our work in physical activity and mental health investigates and promotes the mental health benefits of physical exercise, particularly among people with severe mental illness.

The group collaborates widely. Within RBWH, we collaborate with other researchers within the mental health service, including James Scott, Gerard Byrne and Ed Heffernan. We have strong partnerships with Neurology and Medical Imaging. Locally, we collaborate closely with the biomedical imaging group at the Herston-based CSIRO, with Dr Sasha Dionisio at the Mater Hospital and Professor Peter Silburn at St Andrew's Private Hospital. Interstate we work closely with Professors Philip Mitchell and Gordon Parker at the BlackDog Institute and UNSW, Sydney. We also have strong international collaborations with Professors Karl Friston (London), Klaas Stephan (Zurich), Marc Tittgemeyer (Cologne) and Olaf Sporns (Indiana, US).

Grants received in 2015:

- NHMRC Dementia Team Grant "Prospective imaging study of ageing: Genes, brain and behaviour" (\$6,465,000, 2015-2020): Chief Investigators: Breakspear M, Guo CC et al.
- QIMR Berghofer-Clinician Research Collaboration Award "Using advanced brain imaging to guide the surgical treatment of refractory epilepsy" (\$28,000, 2015) Chief Investigators: Breakspear M, Guo CC
- QED (Queensland-Emory) Alliance. "Improving brain function in healthy and stroke populations by non-invasive brain stimulation" (\$204,604, 2015-2016). Chief Investigators: Breakspear M, Meinzer M.



## Early Psychosis, Youth Mental Health and Adolescent Psychiatry

The early psychosis and youth mental health research group encompasses research that occurs in the Early Psychosis Service and on the Adolescent Inpatient Unit. 2015 was the year in which the Cadence Trial platform commenced. In partnership with the Queensland Centre for Clinical Research, the Cadence trials are a platform of randomised controlled Interventional studies of low risk treatments for patients with psychosis. The first trial Cadence – Bz is investigating the safety and efficacy of benzoate in patients with early psychosis. This food additive which is very safe has been shown to be effective in patients with chronic schizophrenia. Cadence Bz will be the first study of this compound in patients with early psychosis.

The New Horizons Study was also successfully completed in 2015. This is the first study to examine the prevalence of autoimmune encephalitis in patients admitted to hospital for the treatment of psychosis. It was established that four of 116 patients in fact had autoimmune encephalitis and as a result of this, they were referred for immunomodulatory therapy rather than receiving psychiatric care.

With the physical health of people with severe mental illness recognised internationally as an area of concern, substantial clinical and research effort is going into design, implementation and evaluation of interventions to reduce weight gain and maintain/improve fitness among people with first episode psychosis and young people admitted to the adolescent ward. A successful pilot of an exercise program on the adolescent ward 2014-2015 has laid the foundation for a formal study of impact of exercise on adolescent mental health [specifically mood] of an exercise program. Young people participating in the program are invited to complete measures of mood and wellbeing before and after the program. This study is the first of its kind.

Sixteen peer reviewed manuscripts were accepted in 2015 and researchers from the early psychosis and youth mental health research group received 1.7 million dollars in funding including grants from the RBWH Foundation and the NHMRC.

Research continues to be conducted in partnership with clinical services and benefits to patients attending the RBWH for mental health care are immense.

## The Older Persons Mental Health Service (OPMHS)

The OPMHS has strong links with the University of Queensland Academic Discipline of Psychiatry and is actively engaged in teaching students of several disciplines (medical, nursing, psychology, occupational therapy, social work). OPMHS personnel are involved in clinical and health services research in relation to mental disorders in older people, including those with anxiety, depression, psychosis and dementia. The director of the OPMHS, Prof Gerard Byrne, collaborates widely with researchers from other clinical disciplines, including psychology, geriatric medicine, neurology, pharmacy and nursing, as well as with several laboratory-based neuroscientists.

### Highlights of 2015:

Prof Gerard Byrne (RBWH/UQ) and Prof Michael Breakspear (RBWH/QIMR Berghofer) collaborated with several others in a successful NHMRC Dementia Research Team grant application in 2015, which was awarded \$6.5million over five years. This project is called the Prospective Imaging Study of Ageing: Genes, Brain and Behaviour (PISA) and will involve following asymptomatic twins and symptomatic patients with mild cognitive impairment (aMCI) or mild Alzheimer's disease (AD) prospectively using neuroimaging (MRI and PET at HIRF), neuropsychology and physiological measures. Those at high polygenic risk will be compared to those at low polygenic risk.

The research registrar position funded by the federal government under the Specialist Training Program (STP) initiative was occupied by senior registrar Dr Usman Ali during 2015. Dr Ali went on to win the Royal Australian and New Zealand College of Psychiatrists' annual prize for the best research project by an advanced trainee in old age psychiatry.

The Geriatric Anxiety Inventory (GAI), a scale to measure anxiety in older people which was developed by Prof Byrne and Prof Nancy Pachana (UQ) has now been translated into more than 20 languages and is in widespread use around the world, including in the USA and China. The GAI allows clinicians everywhere to rate anxiety in their older patients and thus promotes both awareness and management of this commonly neglected syndrome.

During 2015, Prof Byrne collaborated with Dr Jennifer Fitzgerald (UQ) to finalize the editing of a textbook for medical students, called Psychosocial Dimensions in Medicine (ISBN 9780992518189). This textbook, which has now been published, promotes increased awareness of psychosocial aspects of medical care and contains a series of case vignettes to promote clinical application.

## Forensic Mental Health Service

Queensland Health is the major provider of mental health services to people with a mental illness who are involved with, or at risk of entering, the criminal justice system. These services are provided across the age spectrum. The Queensland Forensic Mental Health Service is managed across the State from major groupings based in Brisbane (Metro North and West Moreton) and smaller hubs along the Queensland coast. The integrated services consist of Secure Inpatient Services, Prison Mental Health Services, Court Liaison Services and Community Forensic Outreach Services. The State-wide component of the service is led by the Director and Operations Manager, Queensland Forensic Mental Health Service (based in the Metro North HHS) with the support of the Service Managers, Clinical Directors, and five State-wide positions coordinating Court Liaison Services, Prison Mental Health Services, District Forensic Liaison Network, Indigenous FMH, and the State-wide Community Risk Management program.

Research in 2015 has focussed on:

- The interface between police and mental health services
- Post-traumatic stress disorder in Aboriginal and Torres Strait Islander women in custody
- Benchmarking with Forensic Mental Health Services in other states and territories
- The use of interactive technology in custodial settings for the delivery of social and emotional wellbeing programs
- Enhancing partnerships with other government departments and the tertiary education sector to improve mental health outcomes

Our research informs service design and delivery and, ultimately, improves the experience of forensic consumers and other stakeholders. The service prioritises the sharing of research findings with stakeholders and the wider community through publications, seminars and presentations.

## Nursing

The Mental Health Nursing Research Office has a range of active service-based research programs initiated by the nursing leadership group (pictured). They aim to not only support nursing research across Metro North Mental Health as its capacity grows but also help develop the academic partnership with the School of Nursing at QUT. At the beginning of the year an extensive chart review and literature search was conducted following ethical approval on the topic of managing aggression during psychiatric hospitalisation and found that the continuing need to focus on good communication and teamwork is integral to contemporary management of aggressive behaviour (Fawcett, 2015). Following from this, the nursing research team implemented the Safewards program, developed by Professor Len Bowers, Kings College London. The recommended evaluation approach was followed with the added research question to understand how this would be translated to the context of mental health nursing practice in Queensland (Dart, 2015). Their work was presented at the ACMHN annual conference. Throughout the Safewards project, several one day training events were conducted for staff to receive education support (Higgins, 2015). Additional supervision was provided at unit level to support the program, and Consumer Consultants, who have a lived experience with mental health issues participated in ward meetings and activities where appropriate. Carer Consultants also attended regular meetings to represent Carer views. The introduction of the Safewards program has become a positive group activity. It appears to engage consumers with a positive experience and staff are beginning to notice small changes to their language during interactions with consumers (Hiscox, 2015).

The contribution to research from nursing education and clinicians in the ward areas include education, training and support to assist nurses to develop and maintain therapeutic relationships within inpatient mental health units in Metro North HHS (Hatch, 2015). Ongoing initiatives, such as the Medication Safety Committee has facilitated nursing research outcomes this year (Collyer, 2015). The success of the committee in its organisational structure and role has become recognised by the RBWH with several other service lines utilising its model and Terms of Reference. Support from Nurse Educators at Royal Brisbane Hospital, TPC and Caboolture Hospital has also helped with new graduates entering the mental health nursing workforce (Dalton, 2015). It was encouraging to see how 'beneficial' the students see the mental health placement and that the stigma surrounding the consumers and staff is greatly reduced. The integration of nursing research and education of nurses has helped highlight what the learning needs are for clinicians and informed undergraduate curriculum and ward based education needs. For example, the Safewards model of mental health nursing is currently being integrated into the undergraduate curriculum of the School of Nursing at QUT as well as being the focus of continuing work across Metro North Mental Health. An additional separate novel approach was developed by the nursing education team to give students an opportunity to develop skills, in addition to a greater exposure to the specialty of mental health, beyond the 2 or 3 weeks normally included in their degree (Hall, 2015). The outcomes of this evaluation work continue to attract and retain new nursing graduates into the specialty of mental health.

## The Eating Disorders Service

The Eating Disorders Service has a strong focus on service evaluation and clinical research, and aims to use the findings of research to inform service delivery/development, improve patient outcomes, and share our work among the national and international eating disorder community. This is achieved through the development of strong collaborations with other health services, universities and research organisations. Current collaborations include

- Queensland Institute of Medical Research
- St Andrews Private Hospital
- University of Queensland
- Sunshine Coast University

The service actively encourages all staff members to contribute and participate in research activities, and share research findings through conference abstracts and peer reviewed publication.

Findings of research activity undertaken in the State-wide consultation-liaison service have been disseminated to start up services in Western Australia to inform service development directions. In this regard, the consultation-liaison service is highly regarded throughout Australia.

2015 saw further development in a key research activity investigating nutritional refeeding practices in medically compromised inpatients with anorexia nervosa – this research was funded by the RBWH Foundation in 2014. The study, comparing conservative and assertive refeeding practices, is being conducted in collaboration with the University of the Sunshine Coast (focus on conservative refeeding practice) and UQ (focused on assertive refeeding practice).

### Supervised Post-graduate Research Students

Name	Current Studies University <i>(duration)</i>	Research Project Title	Supervisors <i>(RBWH staff in bold)</i>
Matt Hyett	PhD, University of New South Wales (conferred 2015)	Attention and inference in melancholic depression	<b>Michael Breakspear</b>
Kartik Iyer	PhD, UQ (conferred 2015)	Novel methods for predicting outcome in neonates from electroencephalographic recordings	<b>Michael Breakspear</b>
Anton Lord	PhD, UQ (conferred 2015)	Biometric markers for affective disorders	<b>Michael Breakspear</b>
Phil Mosley	PhD, UQ	Neurobiology of impulsivity in Parkinson's Disease	<b>Michael Breakspear</b>
Matt Aburn	PhD, UQ	Computational neuroscience	<b>Michael Breakspear</b>
Justin Chapman	PhD, UQ	Physical activity in mental illness	<b>Michael Breakspear</b>
Jonathon Robinson	PhD, QUT	Predictive coding errors in schizophrenia	<b>Michael Breakspear</b>
Megan Campbell	PhD, UQ	Functional anatomy of human mirror system	<b>Michael Breakspear</b>
Saurabh Sonkusare	PhD, UQ	Interoception in depression	<b>Michael Breakspear</b>
Natalie Avery	Masters Clin Psych, Charles Sturt University	The role of psychologists in addressing physical health needs of people with Severe Mental Illness	<b>Sue Patterson</b>
Lucianne Palmquist	PhD, Griffith University	A grounded theory explanation of Adolescent 'Recovery': CYMHS consumer perspectives	Analise O'Donovan, Graham Bradley, <b>Sue Patterson</b>
Fiona Davidson	PhD, UQ	A comparison of court liaison and court diversion services throughout Australia for people with mental disorders	Philip Burgess, Tony Butler, David Greenberg, <b>Ed Heffernan</b>
Peter Carr	PhD, Griffith University	Risk Factors for peripheral intravenous cannula insertion failure in the Emergency Department: The VADER Study	<b>Niall Higgins</b> , Claire Rickard, Marie Cooke
Bonnie Law	PhD MBBS, UQ	Interactions between mood, stress and alcohol dependence	<b>Mark Daglish</b> , Jason Connor, Matt Gullo



### Supervised Post-graduate Research Students (*cont*)

Name	Current Studies University ( <i>duration</i> )	Research Project Title	Supervisors ( <i>RBWH staff in bold</i> )
Carina Capra	PhD, QUT (2011–2015)	Measuring, understanding and reducing psychotic-like experiences (PLEs) in young people.	David Kavanagh, Leanne Hides, <b>James Scott</b>
Holly Erskine	PhD, UQ (2013–2016)	The epidemiology of conduct disorder and implications for interventions.	<b>James Scott</b> , Harvey Whiteford
Natalie Mills	PhD, UQ (2010–2016)	The role of cytokines in depression and cognition in adolescents.	Naomi Wray, <b>James Scott</b> , Nick Martin, Margie Wright, <b>Gerard Byrne</b>
Hannah Thomas	PhD, UQ (2014–2016)	Beyond the classroom and into the cyber world, next generation research into adolescent bullying.	<b>James Scott</b> , Jason Connor
Phillipa Moore	Masters of Clinical Psychology	An investigation into the efficacy of prospective memory reminders in individuals with schizophrenia.	Julie Henry, <b>James Scott</b>
Rebecca Banney	PhD, UQ (2013–2016)	Specific language impairment across the lifespan: A retrospective and prospective study.	Wendy Arnott, David Copeland, <b>James Scott</b>
Shuichi Suetani	PhD, UQ	Physical activity and people with psychosis.	John McGrath, <b>James Scott</b>
Ji Hyun (Julia) Yang	PhD, UQ	Mindfulness and cognitive training in Parkinson's disease.	<b>Gerard Byrne</b> , <b>Nadeeka Dissanayaka</b> , <b>Katie McMahon</b> , <b>David Copland</b>
Elizabeth Ness McVie	PhD, UQ	An analysis of the decisions of the Queensland Mental Health Court.	<b>Gerard Byrne</b> , Karen Nankervis
Beyon Miloyan	PhD, UQ	Epidemiology of anxiety in later life.	Nancy Pachana, <b>Gerard Byrne</b>
Jenifer Anne Murphy	PhD, UQ	Treatment-resistant depression.	<b>Gerard Byrne</b> , Nancy Pachana
Crystal Higgs	PhD, UQ	TBC	<b>Gerard Byrne</b>
M Bray	Masters of Dietetics, UQ	Are we feeding the eating disorder with numbers?	<b>Shane Jeffrey</b>
Elsie Patterson	Honours (Nutrition and Dietetics), Sunshine Coast University	A conservative refeeding approach in female inpatients with restrictive eating disorders.	<b>Shane Jeffrey</b>

### Research Fellows

Name	Type of Fellowship	Research Program	University ( <i>years</i> )
Leonardo Gollo	From brain maps to mechanisms: Modelling the pathophysiology of dementia	NHMRC Dementia Fellowship (ECF level)	QIMR Berghofer (2016 – 2019)
Bjorn Burgher	QIMR Berghofer	Alliance Research Fellowship	UQ, QIMR Berghofer (2015)
James Scott	NHMRC Clinical Practitioner Fellowship	Prevention and Management of Youth Mental Illness	UQ (5 years)
Niall Higgins	Conjoint appointment – Senior Research Fellow	Mental Health Nursing	QUT (3 years)

### Current RBWH Led Research Activity

RBWH Lead Researchers	Collaborative Researchers ( <i>RBWH staff in bold</i> )	Research Project Title
Michael Breakspear	Karl Friston	Complex Dynamics in Brain Networks: A Unifying Theoretical and Empirical Project.
Michael Breakspear	Andrew Zalesky	The neural mechanisms of perception, memory and movement.
Michael Breakspear	Sampsa Vanhatalo	Analysis of outcome following neonatal hypoxia.

### Current RBWH Led Research Activity (cont)

RBWH Lead Researchers	Collaborative Researchers (RBWH staff in bold)	Research Project Title
Michael Breakspear	Philip Mitchell, Gordon Parker, Colleen Loo	The phenomenological, neurobiological and molecular foundations of depression
Michael Breakspear	Justin Chapman, Greg Pratt	Physical activity and sedentary behaviours of people with mental illness: Patterns, Attitudes, Barriers and Enablers
Michael Breakspear		Disturbances in perception and prediction in psychotic disorders
Michael Breakspear	<b>Sue Patterson</b>	Physical activity and sedentary behaviours of people with mental illness: Exploring use of smart technologies
Julie Ewing and Sue Patterson	<b>David Higson, Vikas Moudgil</b>	Evaluation of Inner North Brisbane Mental Health GP Liaison Service
Anna Praskova	<b>Sue Patterson, Brett Emmerson</b>	Assessment and management of tobacco smoking in psychiatric inpatient units
Lisa Fawcett, Nathan Dart, Niall Higgins	Thomas Meehan (West Moreton HHS), Debra Anderson (GU), Paul Fulbrook (TPCH), Michael Kilshaw (TPCH)	Nursing assessment and management of conflict and containment in acute psychiatric settings
Sue Patterson	Kylie Garrick (MNMH), Analise O'Donovan (Griffith University), Denae Crough (MNMH), Lucien Lloyd-West (Griffith University)	Optimising delivery of group based interventions in Public mental health services
Sue Patterson Warren Ward, Rachael Bellair	Esben Strodl (QUT)	Evaluation of inpatient treatment in the management of eating disorders
Sue Patterson	Pauline Ford (UQ)	Mental Health literacy and help seeking among dentistry students
Sue Patterson, Natalie Avery	Graham Tyson (Charles Sturt University)	The role and practices of psychologists in managing physical health within mental health services
Sue Patterson	Jeanie Sheffield (UQ)	A mixed method evaluation of the Eating Disorders Intensive Outpatient program
Sue Patterson	<b>Ray Chan, James Scott</b> , John McGrath (UQ, QCMHR)	Recruitment to randomised controlled trials in Cancer Care and Mental Health: Comparative Case Studies
Sarah Childs, Sue Patterson		Using the WRAP to Promote Self-Management and Reduce Service Use for People with Severe Mental Illness' Metro North Hospital and Health
Sue Patterson	Sarah Young, Anna Praskova	Attending to physical health in mental health services in Australia: A qualitative study of service users' experiences and expectations
Sue Patterson	<b>Kathleen Freshwater, Nicci Goulter, Julie Ewing, Boyd Leamon</b> , Anand Choudhary (RedCab), <b>Vikas Moudgil, Brett Emmerson</b>	Psychiatrists' follow up of identified metabolic risk: an audit and qualitative exploration of influences on practice
Brett Emmerson, Ed Heffernan	David Crompton (PAH), <b>Anna Praskova</b>	Impact of the G20 Summit on Mental Health Service Use
Deanna Erskine, Vinit Sawney	<b>Sue Patterson, Anna Praskova, Barbara Baumgartner</b>	Improving metabolic monitoring for people with severe mental illness who are homeless
Imani Gunasekara, Sue Patterson	James Scott	What makes an excellent mental health doctor?
Sue Patterson	Prof Pauline Ford (UQ), <b>Mark Daglish</b>	Attending to oral health in inpatient detoxification units
Bobbie Clugston	<b>Ed Heffernan, Tim Lowry, Jane Phillips, Elissa Waterson</b>	Mental Health Support of Police Negotiators
Ed Heffernan	<b>Bobbie Clugston, Elissa Waterson, Fiona Davidson</b>	Police Communications Centre – Mental Health Liaison Service Evaluation

### Current RBWH Led Research Activity (cont)

RBWH Lead Researchers	Collaborative Researchers (RBWH staff in bold)	Research Project Title
Michele Pathe	<b>Tim Lowry, Paul Winterbourne, Brett Emmerson</b>	Queensland Fixated Threat Assessment Centre Evaluation
Ed Heffernan	<b>Kimina Andersen, Fiona Davidson</b> , Stuart Kinner	Family Business – Improving the understanding and treatment of PTSD among incarcerated Aboriginal and Torres Strait Islander women
Bob Green	<b>Ed Heffernan</b> , Beverley Russell, Michelle Denton, <b>Elissa Waterson</b>	Transitional care for released prisoners with mental illness
Ed Heffernan	Adam Griffin, <b>Bob Green, Bobbie Clugston, Jane Phillips</b> , Zara Samaraweera, Carolina Ceron	Mental illness, Police and fitness for interview
Melanie Mitchell	Gavan Palk	Mentally ill threateners
Tim Lowry	Bruce Watt, <b>Bruce Hamilton, Annette Vasey</b>	High risk psychotic phenomena
Elke Perdacher	David Kavanagh, Jeanie Sheffield, <b>Ed Heffernan, Kimina Andersen</b>	Utility of the Stay Strong tablet PC application with Aboriginal and Torres Strait Islander women in custody
Fiona Davidson	<b>Ed Heffernan, Velimir Kovacevic, Jane Phillips, Bruce Hamilton</b> , Tony Butler, David Greenberg, Philip Burgess	National court liaison and court diversion survey
Fiona Davidson	<b>Ed Heffernan, Velimir Kovacevic, Jane Phillips, Bruce Hamilton</b> , Tony Butler, David Greenberg, Philip Burgess	National court liaison service key performance indicators
James Scott	<b>Stefan Blum (Neurology), David Gillis (Pathology), Robert Wilson (Pathology), Kerri Prain (Pathology), Richard Wong (Pathology), Susan Patterson (Psychiatry), Stephen Stathis (Psychiatry)</b> , Sean Hatherill (Logan Hospital), Frances Dark (PAH)	New Horizons: Auto antibodies in first episode psychosis
James Scott	Stefan Blum (PAH), <b>David Gillis (Pathology)</b> , Gail Robinson (PCH), Frances Dark (PAH)	Brain antibodies in treatment refractory psychosis
James Scott	<b>Bjorn Burgher (Psychiatry), Michael Breakspear (QIMR Berghofer), Anne Gordon (Psychiatry)</b> , Naomi Wray (QBI), Carina Capra (PAH), Sharon Foley (PAH), Savio Sardinha (Gold Coast), Gail Robinson (TPCH), Elizabeth Troman (TPCH)	Early Psychosis Research Platform
Shane Jeffrey, Amanda Davis, Susan Patterson, Warren Ward	<b>Jan Hill (Nutrition and Dietetics)</b> , Donna Hickling (TPCH), Gai Moritz (Nambour), Amy Hannigan (PAH), Sarah Braham (Robina)	Assertive refeeding for medically compromised patients with anorexia nervosa: an observational study of outcomes and patient experiences
Lisa Fawcett, Nathan Dart, Niall Higgins	Thomas Meehan (West Moreton HHS), Debra Anderson (Griffith University), Paul Fulbrook (TPCH), Michael Kilshaw (TPCH)	Nursing assessment and management of conflict and containment in acute psychiatric settings
Andre van Zundert, Marcus Watson, Niall Higgins	Claire Rickard (Griffith University), Robert Ware (UQ)	Near infrared venous analysis: A trial of vessel finders versus standard technique for peripheral placement of intravenous catheters
Lisa Fawcett, Nathan Dart, Niall Higgins	Thomas Meehan (West Moreton HHS), Debra Anderson (Griffith University), Paul Fulbrook (TPCH), Michael Kilshaw (TPCH)	Nursing assessment and management of conflict and containment in acute psychiatric settings
Sue Patterson, Michael Breakspear		Understanding participation in mental health research
Niall Higgins	Evan Alexandrou (University of Western Sydney), Gillian Ray-Barruel (Griffith University), Peter Carr (Griffith University), Steven Frost (University of Western Sydney), Sheila Inwood (The Royal Berkshire Hospital, Reading, UK), Francis Lin (Griffith University), Laura Alberto (Sanatorio de Alta Complejidad Sagrado Corazón, Buenos Aires), Leonard Mermel (Rhode Island Hospital), Claire Rickard (Griffith University)	One Million Global (OMG) Peripheral Intravenous Catheter Study



## Other Current Collaborative Research Activity

Collaborative Lead Researchers	RBWH Researchers	Research Project Title
Lucianne Palmquist (Griffith University)	Sue Patterson	A grounded theory explanation of Adolescent 'Recovery': CYMHS consumer perspectives.
Tim Weaver (Middlessex University, UK)	Sue Patterson	Modelling process and outcomes of user involvement in mental health research
John McGrath (QCMHR), Andrea Baker (QCMHR)	James Scott	Cadence BZ
John McGrath (QCMHR), Frances Dark (PAH), Andrea Baker (QCMHR)	James Scott	Cadence SCIT
John McGrath (QCMHR), Andrea Baker (QCMHR)	James Scott	Cadence M
Peter Silburn	Warren Ward (Eating Disorders), Rodney Marsh (VMO), Chris Randall (Eating Disorders)	A pilot trial of Deep Brain Stimulation for treatments resistant Severe and Enduring Anorexia Nervosa

## Research Awards and Achievements

Recipient	Award	Event
Michael Breakspear	The Technology and Biotechnology Award	Metro North Mental Health and Hospital Service Research Excellence Awards
James Scott	Promoting Healthy Minds and Bodies	Metro North Mental Health and Hospital Service Research Excellence Awards
Dylan Flaws	Rising Star Early Career Research Award	Metro North Mental Health and Hospital Service Research Excellence Awards
James Scott	Best Clinical, Education or Health Services Oral Presentation	24 <sup>th</sup> Annual RBWH Health Care Symposium

# Nursing and Midwifery Services



**Adj. Assoc. Prof. Alanna Geary**  
Executive Director  
Nursing and Midwifery  
Services MNHHS

Nursing and Midwifery Services has a strong track record of research activity that focuses on improving patient care. We recognise the clinical benefits of research participation to patients and of research itself in leading to advances in health care. We also know that participation in research may allow access to novel technologies earlier than other institutions and research-active environments may deliver better care. For example, our work around IV access, wound care (including pressure ulcer prevention), falls and infection have prompted changes in policy and practice locally and have been influential in informing international guidelines. The reputation of our research staff has also been important in attracting major research grants (for example we have had Chief Investigator status on seven, multi-site NHMRC (National Health and Medical Research Council) grants in the last six years). These grants not only contribute to a culture of research and best practice but also provide significant savings for the organisation. One example is our current DRESSING (ADding negative pRESSure to improve healing) Trial, in which half of all negative pressure wound dressings are being paid for by the research grant; a saving to the organisation of around \$100,000.

Our research outcomes continue to grow; during 2015 we received seven research grants (including one NHMRC project grant); published 26 peer reviewed papers, and presented several invited papers at international conferences. In addition, our commitment to evidence based practice is evidenced by our contributions to the Cochrane Collaboration (15 active reviews addressing nursing interventions) and being an Editor for the Cochrane Wounds Group. We also act as reviewers for a number of highly ranked journals, such as BMJ (British Medical Journal), International Journal of Nursing Studies, BMJ Safety and Quality, British Journal of Surgery, the Australian Medical Journal, and World Evidence-Based Nursing.

Nursing and Midwifery Services supports innovative clinical and academic partnerships in the form of Nursing Professorial and Clinical Academic Units. The Professorial Unit and Clinical Academic unit model uses an embedded scholar model to foster partnerships between clinical nursing leadership, academic leadership and clinicians to advance the influence of high quality nursing care on patient outcomes. The Professorial Unit goals are to encourage a nursing research and a culture of clinical scholarship through leading and supporting nurse-led practice focused research, grant applications, dissemination of research at conferences and publications, and encouragement of nurses to pursue postgraduate qualifications. Nursing Services has partnered with the School of Nursing, QUT to support three Nursing Professorial Units; Cancer Professorial Precinct, Intensive Care Professorial Unit and the Kidney Health Professorial Unit and one Clinical Academic Unit in Mental Health. The Professorial Units are operationalised differently; the Cancer Professorial Precinct and Kidney Health Professorial Unit use an in-kind model of academic collaboration whereas the Intensive Care Nursing Professorial Unit was supported in 2015 by a Professor of nursing position; a joint appointment between the RBWH and the School of Nursing, QUT. Further in mid-2015 a second Professor of Nursing in neurosciences and rehabilitation commenced as a joint appointment between the RBWH and the School of Nursing, QUT. The Mental Health Clinical Academic Unit is operationalised with an embedded scholar funded by the Queensland Office of Health and Medical Research. The achievements and contributions of the individual Nursing Professorial Units will be reported under the respective service lines.

# Nursing and Midwifery Research Centre



**Prof. Joan Webster**  
Nursing Director  
Research

The primary aim of the Nursing and Midwifery Research Centre is to generate best evidence for acute healthcare practice. We achieve this through conducting interdisciplinary, independently funded clinical trials and cohort studies that focus on improving patient outcomes and by producing Cochrane systematic reviews. We prioritise areas identified by the Australian Commission on Health Care Standards, such as 'Preventing and Controlling Health Care Infections' and 'Preventing Pressure Injuries'. For example, during 2015, we completed two large, NHMRC funded, multi-centre trials. The first tested a patient-centred intervention to prevent pressure injury and the second assessed the impact of various peripheral intravenous access securement devices on the incidence of catheter-related infections. We also commenced a large NHMRC funded trial testing the effectiveness of negative pressure wound therapy on surgical site infection. These studies and others demonstrate our emphasis on improving patient outcomes by focussing on clinically important questions, generated by problems in the delivery of acute health care. Our work in these areas, particularly in the area of intravenous access, pressure injury prevention and management and other aspects of wound care has influenced international practice guidelines and is highly cited.

Our combined track record demonstrates our strong group collaboration and provides evidence of our individual contributions to the overall output of the Nursing and Midwifery Research Centre's program of research. Our track record during 2015 continued to grow with staff from the unit involved in 9 successful research grants (including an NHMRC project grant) and 26 publications. We also have 15 active Cochrane reviews of health-care interventions, which are updated every two years.

These outcomes could not be achieved without broad, interdisciplinary collaboration within our health service and across local, national and international institutions.

Our other focus is on the development of a research culture amongst nurses and midwives. This is achieved in a number of ways: 1) our highly skilled staff provide supervision for higher degree students; 2) nurses and midwives from clinical areas act as research nurses and, through such exposure, frequently go on to enrol in a higher degree; 3) we conduct a 12-week 'Evidence Base Practice' training program in which students complete a systematic review of a clinical problem, which is relevant to their area of practice. Many of these students go on to present their reviews at national conferences and a number have used the information from the review to change practice in their area; 4) each month we coordinate the 'Nursing and Midwifery Grand Rounds', in which results of research studies are presented; 5) we provide support, mentorship and expertise to assist novice researchers prepare research proposals and publications.

## Supervised Post-graduate Research Students

Name	Current Studies University (duration)	Research Project Title	Supervisors (RBWH staff in bold)
Nicole Marsh	PhD Griffith University (2015 – 2018)	Prevention of peripheral venous catheter failure	Claire Rickard, <b>Joan Webster</b> , Marie Cooke

## Research Fellows

Name	Type of Fellowship	Research Program	University (years)
Claire Rickard	Honorary Research Fellow	IV Access	Griffith University (2007–2018)
Amanda Ullman	Honorary Research Fellow	IV Access	Griffith University (2014–2017)
Gillian Ray-Barruel	Honorary Research Fellow	IV Access	Griffith University (2015–2018)
Samantha Keogh	Honorary Research Fellow	IV Access	Griffith University (2011–2017)
Brigid Gillespie	Honorary Research Fellow	Wounds	Griffith University (2007–2018)



## Nursing and Midwifery Research Centre (cont)

### Research Fellows (cont)

Name	Type of Fellowship	Research Program	University (years)
Debra Anderson	Honorary Research Fellow	Women's Health	Griffith University (2007–2018)
Peter Lewis	Honorary Research Fellow	Nursing assessment	QUT (2007–2018)
Sonya Osborne	Honorary Research Fellow	Nursing assessment	QUT (2016–2018)
Ann Bonner	Honorary Research Fellow	Renal	QUT (2011–2018)

### Current RBWH Led Research Activity

RBWH Lead Researchers	Collaborative Researchers (RBWH staff in bold)	Research Project Title
Joan Webster	<b>Nicole Marsh (Nursing and Midwifery Research Centre; and Surgical Services), Emily Larsen (Nursing and Midwifery Research Centre; and Cancer Care Services), Nicole Gavin (Cancer Care Services), Nahid Choudry (UQCCR), Anthony Allworth (Infectious Diseases), Catriona Booker (Nursing Education)</b>	Biopatch™ or Kendall™ AMD Foam Disc to reduce the incidence of Central-Line-Associated Blood Stream Infection: A randomized controlled trial (the CLABSI trial)
Joan Webster	Marianne Wallis (University of the Sunshine Coast), Liz McInnes (Australian Catholic University), Shelley Roberts (Griffith University), Tracey Bucknall (Deakin University), Wendy Chaboyer (Griffith University), Brigid Gillespie (Griffith University)	<b>INT</b> roducing <b>A</b> Care bundle <b>To</b> prevent pressure injury (the INTACT trial): Follow-up study
Joan Webster	<b>Nicole Marsh (Nursing and Midwifery Research Centre; and Surgical Services), Emily Larsen (Nursing and Midwifery Research Centre; and Cancer Care Services), Nicole Gavin (Cancer Care Services), Claire Rickard (Griffith University), Nahid Choudhury (UQCCR)</b>	<b>RE</b> placing <b>Periphera</b> l <b>intra</b> venous <b>Cath</b> eters (REPLACE study)

### Other Current Collaborative Research Activity

Collaborative Lead Researchers	RBWH Researchers	Research Project Title
Brigid Gillespie (Griffith University)	Joan Webster	<b>AD</b> ding negative <b>pRESS</b> ure to improve heal <b>ING</b> (the DRESSING trial).
Wendy Chaboyer (Griffith University)	Joan Webster, Merrilyn Banks (Dietetics)	<b>INT</b> roducing <b>A</b> Care bundle <b>To</b> prevent pressure injury (the INTACT trial).
Claire Rickard (Griffith University)	Joan Webster	Intravascular device administration sets: <b>RE</b> placement after <b>S</b> tandard <b>V</b> ersus <b>P</b> rolonged use (the RSVP trial).
Claire Rickard (Griffith University)	Joan Webster	<b>Peripherally In</b> serted <b>CE</b> ntral catheter <b>S</b> ecurement (the PISCES Trial).
Paterson D (UQCCR)	Joan Webster, Nicole Gavin	eme <b>R</b> gence of <b>A</b> ntibacterial resistan <b>C</b> e associated with the use of antimicrobial impregnated dr <b>ESS</b> ings (the RACE Study).
Moureau N (PICC Excellence; USA)	Nicole Marsh	<b>E</b> valuation of <b>S</b> kin <b>C</b> olonisation and <b>P</b> lacement of <b>C</b> atheter <b>E</b> xit sites Study (the ESCAPE Study).
Samantha Keogh (Griffith University)	Nicole Marsh	A pilot study of a factorial, randomised trial of high vs low flushing frequencies and volumes.

## Surgical and Perioperative Services



**Dr Barry O'Loughlin**  
Executive Director  
Surgical and Perioperative Services

Surgical research links biological science to the patient's bedside and to the operating room. It assists surgical staff to think critically and evaluate data without bias.

The Royal Australasian College of Surgeons (RACS) recognises research as one of the pillars underpinning the practice of surgery and includes bench and clinical research as a basic component of surgical training.

Surgical and Perioperative Services has traditional strong links with UQ and QUT as well as collaborations with the research institutes on the Herston campus. There are some joint appointments of key staff. In 2015 we mourned the premature loss of Professor Phillip Walker, Professor of Surgery UQ and former Director of the Department of Vascular Surgery at RBWH. He was a surgeon scientist of the highest order and an exemplary role model for academic surgery for many years.

In 2015 Associate Professors Michael Muller, Burns Trauma and General Surgeon, and Owen Ung, Breast Endocrine and General Surgeon were granted full Professorial titles by UQ in recognition of their academic contributions. Professor Ung was appointed to the role of Scientific Convenor by RACS in advance of its Annual Scientific Meeting in Brisbane in May 2016.

A number of important clinical trials were underway in 2015. Of particular note, Professor Frank Gardiner, Urology, with colleagues Dr Geoff Coughlan and Dr John Yaxley, continued to recruit patients to the first prospective randomised controlled trial in the world of Robotic Assisted Laparoscopic Prostatectomy versus Radical Open Prostatectomy, with publication anticipated in 2016. This is an important study as many surgical techniques have been introduced in the past with little evidence base.

## Department of Anaesthesia and Perioperative Medicine

Our research group in anaesthesia (RIGA) aims to provide optimal anaesthetic care for patients based on world class, research-based clinical practice. Our research foci are airway management particularly video-laryngoscopy and laryngeal mask airways, ultrasound-guided regional blocks, obstetric care of bariatric patients and protocols for blood management.

Clinical benefits of research / how does your research help your patients

Our research activities contribute to improved patient outcomes by using a collaborative approach to translate clinical research knowledge into clinical practice with a strong focus on a safe anaesthetic environment which aligns with practice guidelines.

Professor Andre van Zundert was made an Honorary Member of the Belgian Society of Anaesthesia and Reanimation.

**Research collaborations with other departments within RBWH as well as MNHHS and externally with other institutes locally, nationally and internationally.**

2015 has seen the department expanding their research collaborations with RBWH's Intensive Care Unit/Burns, Trauma and Critical Care Research Centre, The University of Queensland. Current collaborative studies include:

- Surgical antibiotic cover in bariatric patients;
- Antibiotic cover + oxytocin in bariatric Caesarean patients with epidurals;
- Planned study of bacteraemia/surgical site infections by retrospective audit of blood stream infection;
- Optic nerve sheath diameter for measurement of intracranial pressure;
- Insertion and maintenance care bundles for peripheral arterial catheters.

The department has joined a large multi-centre trial, the BALANCED Anaesthesia Study to investigate the depth of anaesthesia in elderly surgical patients. This study is in collaboration with the Australian and New Zealand College of Anaesthetists Trials Group.

### Supervised Post-graduate Research Students

Name	Current Studies University (duration)	Research Project Title	Supervisors (RBWH staff in bold)
Victoria Eley	PhD, UQ (2014 – 2016)	Clinical Guidelines relating to the anaesthetic management of obese parturients: An evaluation of their utility in clinical practice and the evidence <sup>3</sup> supporting the recommendations	<b>André van Zunder</b>
Julie Lee	PhD, UQ (2015 – 2017)	ROTEM® thromboelastometry in obstetrics	<b>André van Zundert</b>

### Research Fellows

Name	Type of Fellowship	Research Program	University (years)
Julie Lee	Research, Quality Assurance and Regional Anaesthesia Fellowship	Investigating ROTEM® thromboelastometry in obstetrics	UQ (2015–2016)

### Current RBWH Led Research Activity

RBWH Lead Researchers	Collaborative Researchers (RBWH staff in bold)	Research Project Title
André van Zundert	<b>Niall Higgins</b>	NIRVANA (Near Infra Red Vascular ANALysis)
Kersi Taraporewalla	Penelope Sanderson (UQ), <b>Heather Reynolds</b> , Marcus Watson (UQ)	Respiratory Sonification Trial
Heather Reynolds	<b>Martin Culwick</b> , Amanda Ullman, Gabor Mihala, Evan Alexandrou, Claire Rickard (Griffith University)	Cochrane Protocol and Review: Dressings and Securement Devices for Peripheral Arterial Catheters
Gareth Collins	<b>André van Zundert</b> , <b>Lizanne Dagleish</b> , <b>Cienwen Town</b> , <b>Jeffrey Lipman</b>	Collaboration with ICU: Optic nerve sheath study to measure ICP



## Nursing and Midwifery Research Centre *(cont)*

### Department of Anaesthesia and Perioperative Medicine *(cont)*

RBWH Lead Researchers	Collaborative Researchers <i>(RBWH staff in bold)</i>	Research Project Title
Rochelle Ryan	<b>Rebecca Christensen, Dwane Jackson, Victoria Eley, André van Zundert, Jason Roberts, Jeffrey Lipman</b>	Collaborative ICU study: Therapeutic concentrations cephazolin in bariatric surgical patients
Heather Reynolds	<b>André van Zundert, Kersi Taraporewalla, John Gowardman</b> , Claire Rickard (Griffith University)	Bundled interventions for safe care of peripheral arterial catheter in adult patients: the ALICE (Arterial Line Insertion and CarE) protocol

### Other Current Collaborative Research Activity

Collaborative Lead Researchers	RBWH Researchers	Research Project Title
Kate Leslie	Michael Edwards, Lizanne Dalgleish, Cienwen Town	BALANCED
Jing He, Prof Yang	Michael Steyn, Charles Cheung	Predictive Software Analysis for Patient Outcomes

### Research Awards and Achievements

Recipient	Award	Event
André van Zundert	Honorary Member	Belgian Society of Anaesthesia and Reanimation Meeting



## Department of Ear Nose and Throat Surgery

### Rhinology

Using local probiotic treatment of the nasal cavity to displace colonisation of pathogenic bacteria from the upper respiratory tract in chronic rhinosinusitis and ear disease

### Clinical Benefits

An alternative to antibiotics and a possibility to restore airway health.

### Grants

Microbiota of the Human Sinuses. It's role in health and disease, The Garnett Passe and Rodney Williams Memorial Foundation Conjoint Grant.

### Research Collaborations

UQCCR; Centre for Children's Health Research, Brisbane; Lund University, Sweden

### Supervised Post-graduate Research Students

Name	Current Studies University (duration)	Research Project Title	Supervisors (RBWH staff in bold)
Andrea Coleman	PhD	Aboriginal and Torres Strait Islander Bacterial Interference in Otitis Media Explorative Study	<b>Anders Cervin,</b> Seweryn Bialasiewicz

### Current RBWH Led Research Activity

RBWH Lead Researchers	Collaborative Researchers (RBWH staff in bold)	Research Project Title
Anders Cervin	Seweryn Bialasiewicz (LCCH)	Microbiota of the Human Sinuses. It's role in health and disease
Anders Cervin	Hanna Sidjabat (UQCCR)	Probiotic Discovery and Development

## Department of General Surgery

The general surgeons at the Royal Brisbane have a long history of innovative surgery, and this has led to a respected worldwide reputation, especially in the field of minimal access or laparoscopic surgery. This is particularly so in the subspecialty fields of Hepato-Pancreato-Biliary (HPB), Colorectal and Bariatric surgery. The academic output from the breast and endocrine surgical unit, led by Prof Owen Ung, has also greatly increased over recent years.

### *Hepato-Pancreato-Biliary (HPB) Surgery (Dr Nick O'Rourke):*

Eight papers were published in 2015. Dr Richard Bryant, HPB surgeon can write database software from scratch. Combined with fellow HPB surgeon, Dr David Cavallucci (Masters in Statistics UQ 2015) we have a unit capable of generating short and long term quality surgical data.

Academic output was enhanced by two visiting fellows from Singapore, Dr Adrian Chiow and Dr Terence Huey. Both came sequentially to the Royal for twelve months, and were fully funded by the Singapore government.

### *Projects ongoing or published in 2015:*

Collaborating with the Wesley hospital led to a publication in HPB (the leading international journal in HPB surgery) on a comparative study of laparoscopic vs open liver resection for colorectal metastases. Dr David Cavallucci's Masters Thesis investigated a method of comparing datasets, using Inverse Probability Weighting to make Propensity Scoring far more accurate. We continue to collect data and reanalyse the histological subtypes of hepatic adenoma, in collaboration with senior pathologists, Prof Andrew Clouston and Dr Mahendra Singh. We published locally (ANZ J of Surg) on our experience with synchronous colorectal liver metastases in pregnancy and postpartum. We collaborated with Dr Matthew Burge (oncologist) and Dr David McFarlane (Nuclear Physician) in a prospective evaluation of FDG PET scans for Pancreas Cancer. This led to another publication in 2015 in HPB. Dr Nick O'Rourke continued his collaboration with a group of International Laparoscopic Liver Surgeons as an organiser and chief investigator at the Second Consensus Meeting on this subject. This Japanese Meeting produced multiple publications, including the main report in the Annals of Surgery. Dr O'Rourke was made the Secretary General of ILLS (International Laparoscopic Liver Society)

### *National Research roles:*

Dr O'Rourke convened the annual scientific meeting of the ANZHPBA in Cairns in October, 2015.

He is also co-chair, with Prof J Fawcett of QLPIG (Qld Liver Pancreas Interest Group). This new organization has been set up to collect state wide data on the outcomes of surgery for cancers involving the liver and pancreas.

Dr David Cavallucci is head of the Research Committee of the ANZHPBA.

### *HPB Invited International /National Presentations in 2015:*

#### *Dr Nick O'Rourke:*

April, Singapore Asia/Pacific HPBA meeting, "The classification of Biliary Strictures", "Laparoscopic Hepatectomy";

May, Amsterdam, (Medtronic workshop), "Methods of hepatic parenchymal transection";

August, Kandy, Sri Lanka, "Laparoscopic HPB Surgery"

September, Korea, ELSA, "Laparoscopic Right Hepatectomy";

November, Hangzhao, China, "Advanced Laparoscopic Liver Surgery".



### *Dr David Cavallucci:*

October, Sydney, RPA annual Pancreaticobiliary meeting, “Robotic Pancreatic Surgery’

November, Cairns, “Robotic HPB Surgery”

Multiple free papers were presented at international and national meetings by staff including registrars Dr Dan Kilburn and Dr Joel Lewin.

### **Bariatric Surgery (Headed by Dr George Hopkins):**

We are currently investigating the outcomes of sleeve gastrectomy in patients with Crohn’s Disease; and revisional single anastomosis gastric bypass (SAGB) for complicated laparoscopic adjustable gastric banding (LAGB). The incidence of Portomesenteric Vein Thrombosis following Sleeve Gastrectomy is being examined through retrospective data collection from 5 bariatric centres across Australia and a single district in Russia.

### **Trauma Surgery (Dr Darryl Wall):**

#### *Projects:*

- Outcome study of pelvic packing
- Outcome study of seatbelt for pregnant injured patients
- Red Blanket outcome study
- Outcome audit of elderly in trauma care
- Outcome of regional analgesia in severe chest injuries
- Analysis of benefit of digital rectal examination in initial assessment in trauma
- Hospital related complications
- Goal directed therapy for massive haemorrhage
- Role of ROTEM in goal directed care of massive haemorrhage
- Tertiary survey analysis of outcomes of trauma nurse coordinators compared with doctors
- Role of CT of the abdomen in avoiding unnecessary trauma laparotomy
- Analysis of FAST ultrasound in directing decision making in trauma
- Randomised study of the use of tranexamic acid for haemorrhage
- An analysis of the quality of inter-hospital transfer of the severely injured
- The role of interventional radiology as an alternative to surgical haemostasis
- The future use of tourniquets in civilian trauma

### **Breast and Endocrine Unit (Prof Owen Ung)**

The Breast and Endocrine Unit have had an active 2015 with articles in press and grants pending. In particular we have developed collaborations with researchers at University of Auckland, University of Sydney, QUT, Translational Research Institute, UQCCR, HIRF to progress various projects, some of which are listed below. It has been a year of constructing and maintaining a prospective database that will provide us with much reliable clinical outcome data into the future and facilitate clinical research. This significant initial body of work will deliver a greater ability to collaborate with basic and translational researchers and aid the supervision of medical students, junior doctors and surgical trainees in their research endeavours.

#### **Research Fellows**

Name	Type of Fellowship	Research Program	University (years)
Mui Heng GOH	Breast and Trauma Fellow – Singapore	To evaluate the impact of One Step Nucleic Acid Assessment (OSNA) of sentinel lymph nodes which is new intraoperative SLN assessment technique operative management of the axilla.	UQ (2015–016)

## Breast and Endocrine Unit (Prof Owen Ung) *(cont)*

### Current RBWH Led Research Activity

RBWH Lead Researchers	Collaborative Researchers <i>(RBWH staff in bold)</i>	Research Project Title
Clement Wong, Owen Ung	QUT Centre for biomedical innovation. Lead researcher: Dietmar Hutmacher	Tissue engineering and regenerative medicine  3D printed biodegradable scaffolds with tissue-engineered nipple constructs.
Kowsalya Murugappan, Owen Ung	<b>Ben Green</b> , Alison Bullen, <b>Bartholomew McKay</b> , Denver Khoo	Optimizing the surgical management of the axilla in breast cancer.  Investigating the role of theranautic PET/MRI and identification of positive axillary nodes for invasive breast cancer
Benjamin Green, Kowsalya Murugappan, Owen Ung		Evaluation and implementation of two stage and single stage implant based immediate reconstruction at RBWH: a prospective database
Owen Ung, Mui Heng Goh	<b>Kowsalya Murrugappan, Ganeev Malhotra, Clement Wong, Ben Green, Sunil Lakhani</b>	First Australian Centre: Implementation and evaluation of One-Step Nucleic Acid Amplification (OSNA) in Management of Axilla in Breast Cancer

### Other Current Collaborative Research Activity

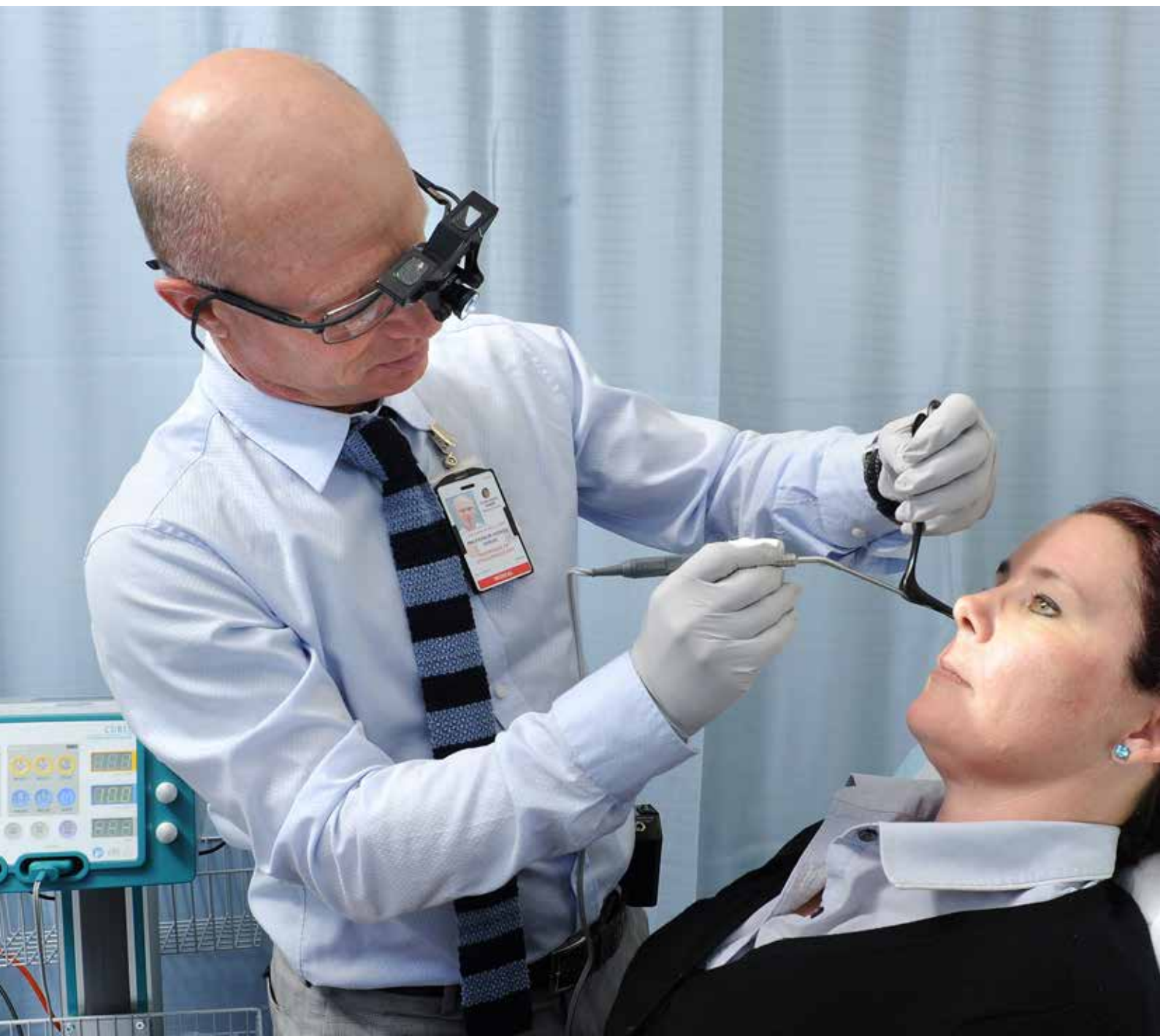
Collaborative Lead Researchers	RBWH Researchers	Research Project Title
Rachel Flanagan (North Shore Hospital, NZ), Richard Harman (North Shore Hospital, NZ)	Kowsalya Murugappan, Owen Ung, Clement Wong, Ben Green	Why do Australian women have better breast cancer survival ratios than NZ women? A study comparing breast cancer patients treated at two large hospitals in Auckland and Queensland



# Department of Oral Maxillofacial Surgery

## Supervised Post-graduate Research Students

Name	Current Studies University (duration)	Research Project Title	Supervisors (RBWH staff in bold)
Nicolas Beech	MPhil UQ (2015–2016)	The impact of dental extractions on Osteoradionecrosis and quality of life in irradiated head and neck cancer patients.	<b>Martin Batstone</b>
Michael Hurrell	PhD UQ (2013–2017)	The effects of treatment timing on the outcomes of facial fractures.	<b>Martin Batstone</b>
Timothy Liu	(MPhil) UQ (2016–2017)	The utility of radiotherapy in intermediate risk oral cavity SCC.	<b>Martin Batstone</b>
Benjamin Fu	(MPhil) UQ (2015)	CT Scanning in odontogenic infections of the head and neck.	<b>Martin Batstone</b>





## Trauma Service

The staff of the Trauma Service (TS) provide continuous comprehensive care and communications for severely injured patients from around Queensland and northern New South Wales. These activities include the constant entry of verified patient data for the RBWH Trauma Registry (TR). The TR information provides daily service to the members of the Trauma Review Committee and the Trauma Advisory Committee both of which serve to support Quality and Safety of care. The information also serves to support researchers both within and without the TS. The TR also serves to provide guidance professional development, safety of patient transfers, safety of women in pregnancy, development of training workshops, presentation of trauma advancement symposia and for improvement of trauma care in regional centres. TR information also guides the TS provision of prevention activities such as P.A.R.T.Y. (Prevent Alcohol and Risk-related Trauma in Youth) and consumer engagement duties such as preparing the patient trauma care passport and follow up planning.

### Research Awards and Achievements

Recipient	Award	Event
P.A.R.T.Y. Program	Excellence in Leadership	2015 Premiers Awards for Excellence
Stephanie Tan	Registrar prize	51 <sup>st</sup> Provincial Surgeons of Australia annual conference – Rural surgery



## Department of Vascular Surgery

Dr Jason Jenkins is the chief investigator on a number of National Health and Medical Research Council funded clinical trials aimed at improving the management of vascular disease. Dr Jenkins has significant research collaborations with Professor Jon Golledge's group at James Cook University, Dr Chris Askew at the University of the Sunshine Coast, Professor Rob Fitridge at the University of Adelaide, Professor Bronwyn Kingwell at the Baker IDI Heart and Diabetes Research Institute and Professor Malcolm West's group at TPCH.

During 2015, under the supervision of Dr Jason Jenkins and in collaboration with UQ, the Department of Vascular Surgery participated in a variety of research projects in the area of vascular disease. Research ranged from basic science investigation into the aetiology of aortic aneurysmal disease, through to studies of devices for the endoluminal management of aortic pathology. The department played a key role in the recruitment of participants to multicentre clinical trials assessing medical therapies for the management of abdominal aortic aneurysm (AAA), as well as a behavioural intervention trial for patients with peripheral artery disease (PAD).

Research carried out by the Vascular Department has the potential to significantly improve the management of patients with PAD. At present there is no known medical therapy for the treatment of AAAs. The clinical trials underway within the department aim to identify an agent which may be used to slow down the growth of AAAs, with the long-term goal of reducing the numbers of patients required to undergo AAA repair. Research into novel endoluminal devices aims to identify a more clinically effective solution for endovascular repair of AAAs.

### Current RBWH Led Research Activity

RBWH Lead Researchers	Collaborative Researchers (RBWH staff in bold)	Research Project Title
Jason Jenkins	Jon Golledge - James Cook University (JCU)	Telmisartan in the management of abdominal aortic aneurysm (TEDY)
Jason Jenkins	Jon Golledge (JCU)	Fenofibrate in the management of abdominal aortic aneurysm (FAME)
Jason Jenkins	Jon Golledge (JCU)	Fenofibrate in the management of abdominal aortic aneurysm-2 (FAME-2)
Jason Jenkins	Jon Golledge (JCU)	Effect of a dietary supplement on abdominal aortic aneurysm growth (IMAGEN)
Jason Jenkins	Jon Golledge (JCU)	Brief behavioural counselling intervention for peripheral arterial disease (BIP)
Jason Jenkins	Julie Jenkins	The Endurant Stent Graft Natural Selection Post-market Registry (ENGAGE)

### Other Current Collaborative Research Activity

Collaborative Lead Researchers	RBWH Researchers	Research Project Title
Chris Askew	Jason Jenkins	The effect of acute exercise on vascular function and inflammation in abdominal aortic aneurysm patients (AAAEP)



# Women's and Newborn Services

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**Tami Photinos**  
A/Executive Director  
Women's and Newborn Services

Women's and Newborn Services (WNS) offer a wide and diverse range of healthcare services to women and their babies across Queensland and beyond. The Service Line is dedicated to quality multidisciplinary healthcare which is dynamically reflected in the newly developed mission and purpose statements. WNS mission statement is: 'To hold paramount the women, babies and families within our care' followed by the purpose statement: 'To be a leader and centre of excellence in women's and newborn healthcare through collaborative patient centred care, teaching, research, partnerships and innovation'.

WNS continues to maintain an active interest in research and quality activities as well as the provision of multiple education programs for undergraduate and postgraduate health service professionals. To that end we maintain a strong connection with local universities including UQ, QUT, James Cook University and Central Queensland University and the Royal Australian and New Zealand College of Obstetrics and Gynaecology (RANZCOG).

Some major highlights from the departments in Women's and Newborn Services include:

## *Perinatal Research Centre (PRC)*

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There were two NHMRC grants which commenced in 2015. Professor Paul Colditz leads a team with a \$1.65 million grant over 5 years that represents a new collaboration with Monash University to predict neurodevelopmental disability

in babies born very preterm, earlier and more accurately than currently possible, by identifying structural and functional brain connectivity features that correlate with clinical measures of motor and neurodevelopmental function. This will lay the groundwork for new interventions to prevent or effectively treat brain injury. Dr Tracey Bjorkman leads a new NHMRC project to evaluate a novel therapy for neuroprotection in the brain injured baby. The Lion's Medical Research Foundation's support of Dr Tracey Bjorkman has allowed her to undertake and advance this vital research and to attract significant additional funding.

## *Queensland Centre for Gynaecological Cancer (QCGC)*

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In 2015 we began recruiting for the ECHO Trial which examines the benefits of exercise during chemotherapy for ovarian cancer. This study is collaboration between QUT, NHMRC Clinical Trials Centre and QCGC Research. In addition QCGC, in collaboration with the Department of Nuclear Medicine, began the IMAGE Trial which is investigating the impact of gated PET/CT on the diagnosis of distant metastases in advanced ovarian cancer. The femMe trial, which allows a large number of women to have effective treatment of their endometrial cancer without the need for major surgery and its implications, expanded in 2015 with further sites beginning recruitment.

## *Grantley Stable Neonatal Unit (GSNU)*

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RBWH is the only public hospital in Queensland with a Pasteurised Donor Human Milk Bank. It is also home to NeoRESQ (Neonatal Retrieval Service for South East Queensland). All of the above has driven our research and for the first time, milk bank research has increased within the unit due to collaboration with UQ. GSNU continues to collaborate with the Perinatal Research Centre in clinical trials.

## *Obstetric Medicine*

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In 2015, Professor Leonie Callaway led a NHMRC funded randomised controlled trial from RBWH – the SPRING study of probiotics for the prevention of GDM. We also collaborated on the BLT (breathing for life trial) of asthma management in pregnancy, a multicentre Australian trial led by Newcastle University. Other grants included > \$160,000 in project grant funding addressing maternal metabolism, and the microbiome.

Finally I would like to thank the dedicated staff of Women's and Newborn Services who have contributed to these remarkable research outcomes and hope we can all share the achievements highlighted in this report. Many of our patients might not be aware of this fantastic work when it comes to research and quality activities as what's important to them is the care they receive here and now. I'm sure if we had the opportunity to update them with our achievements they would be particularly proud and impressed.



## Perinatal Research Centre

The Perinatal Research Centre (PRC), under the direction of Professor Paul Colditz, is committed to improving health for mothers and babies through world class biomedical and clinical research. Our multidisciplinary research team, consisting of clinicians, scientists, allied health professionals and engineers, aims to discover and translate research advances into clinical practice and better health outcomes for mothers and babies. Research within the PRC covers several related areas including seizure prevention and neuroprotection led by Dr Tracey Bjorkman, systems physiology led by Dr Barbara Lingwood and Dr Yvonne Eiby, signal processing led by Prof Boualem Boashash and clinical trials involving the RBWH.

With the support of our national and international collaborators we achieved much towards our goals in 2015. As mentioned there were two NHMRC grants which commenced in 2015. Professor Paul Colditz leads a team with a \$1.65 million grant over 5 years that represents a new collaboration with Monash University to predict neurodevelopmental disability in babies born very preterm, earlier and more accurately than currently possible, by identifying structural and functional brain connectivity features that correlate with clinical measures of motor and neurodevelopmental function. This will lay the groundwork for new interventions to prevent or effectively treat brain injury. Dr Tracey Bjorkman leads a new NHMRC project to evaluate a novel therapy for neuroprotection in the brain injured baby. The Lion's Medical Research Foundation's support of Dr Tracey Bjorkman has allowed her to undertake and advance this vital research and to attract significant additional funding.

Several NHMRC supported multicentre clinical trials of international importance are also underway. One, the NEST (neonatal electrographic seizure trial) trial, with Prof Colditz a Chief Investigator, will establish the best way to manage seizures in newborn babies after they have suffered a shortage of oxygen to the brain in labour. Another led by Prof Colditz, the Prem Baby Triple P Parenting Study will determine whether this parenting intervention improves outcomes for preterm babies and their families. Other ongoing clinical trials which utilise state-of-the-art methods and techniques include predicting motor outcomes in preterm babies using MRI, establishing the effects of massage in very preterm babies, optimising adaptation of the cardiovascular system to extrauterine life in the very preterm baby, and determining the effects of different feeding regimens on development in preterm babies.

In collaboration with Professor Boashash, we were awarded over \$1.5 million in 2014 by the Qatar National Research Fund for two projects to improve EEG analysis and explore data fusion between MRI and EEG to understand how structure and function underpin normal and abnormal brain development in preterm babies.

We receive great community support and this year again the Hardcourts Butterfly Ball, organised by the RBWH Foundation and held at the Hilton, was a great success. We would like to thank RBWH Auxiliary, RBWH Foundation, LMR Foundation and the many members of the public for their generous support which has been vital to underpinning improved outcomes for mothers and babies through research.

### Supervised Post-graduate Research Students

Name	Current Studies University (duration)	Research Project Title	Supervisors (RBWH staff in bold)
Abdul Awal	PhD, UQ (2013–2016)	Classification and localization of neonatal EEG abnormalities using time-frequency image processing based neural network and support vector machine	<b>Paul Colditz</b> , Boualem Boashash
Rebecca Caesar	PhD, UQ (2012–2016)	Early predictors for neurodevelopmental outcome and prioritisation of service delivery for at risk premature infants	Roslyn Boyd, <b>Paul Colditz</b>
Nada Al-Theyab	PhD, UQ (2012–2016)	Preterm infant body composition	Barbara Lingwood, <b>Timothy Donovan</b> , <b>Paul Colditz</b>
Tracey Evans	PhD Awarded (2015)	Improving mother and child attachment patterns following preterm birth: An RCT of Prem Triple-P	Koa Whittingham, Roslyn Boyd, Matthew Sanders, <b>Paul Colditz</b>
Matthew Fielder	MPhil, UQ (2014–2016)	Novel therapies for seizures following hypoxic-ischaemic injury in neonates	Stella Tracey Bjorkman, <b>Paul Colditz</b>
Elizabeth Forbes	MPhil, UQ (2013–2016)	Changes in cardiac structure and biochemistry during transition to extra uterine life in preterm and term piglets	Yvonne Eiby, Barbara Lingwood, Karen Moritz
Joanne George	PhD, UQ (2012–2016)	Prediction of motor outcomes based on early brain structure	Roslyn Boyd, <b>Paul Colditz</b> , Stephen Rose
Kate Goasdoue	PhD, UQ (2015–2018)	A novel therapy for neonatal seizures	Stella Tracey Bjorkman, Julie Wixey

## Perinatal Research Centre *(cont)*

### Supervised Post-graduate Research Students *(cont)*

Name	Current Studies University <i>(duration)</i>	Research Project Title	Supervisors <i>(RBWH staff in bold)</i>
Michael Herd	PhD Awarded 2015	Efficacy of Prem Triple P as an intervention to support families of very preterm infants	Koa Whittingham, Roslyn Boyd, Matthew Sanders, <b>Paul Colditz</b>
Luke Jardine	PhD, UQ (2015 – 2018)	Development of early predictors of long term neurodevelopmental outcome for preterm infants	<b>Paul Colditz</b> , Mark Davies
Ji Yeon Kim	PhD, UQ (2015 – 2018)	Understanding how remote application of near infrared light induces neuroprotection	<b>Paul Colditz</b> , Jonathon Stone
Kartik Iyer	PhD Awarded 2015	EEG Signatures of recovery from post-natal hypoxia	Michael Breakspear, Sampsa Vanhatalo, <b>Simon Finnigan</b>
Annice Kong	PhD, UQ (2014 – 2017)	The relationship between brain structure assessed using diffusion MRI and function assessed using dense array EEG of very preterm infants and the ability to predict neurodevelopmental outcomes	<b>Paul Colditz</b> , <b>Simon Finnigan</b> , Roslyn Boyd, Stephen Rose
Melissa Lai	PhD, UQ (2015 – 2018)	Environmental manipulation of the very preterm infant: Can dense array EEG detect developmental differences at term equivalent age	<b>Paul Colditz</b> , <b>Simon Finnigan</b> , Jurgen Frupp
Norman Ma	MPhil, UQ (2011 – 2016)	Brain injury severity in a neonatal model of hypoxic ischemia following potential neuroprotective interventions	Stella Tracey Bjorkman, Craig Winter, <b>Paul Colditz</b>
James Morong	MPhil, UQ (2015 – 2017)	A comparative study of in-hospital maternal mortality ratio (MMR) between the United States of America and Australia	<b>Paul Colditz</b>
Maryam Odabae	PhD Awarded 2015	Non-stationary signal processing methods for newborn seizure prediction	<b>Paul Colditz</b> , Boualem Boashash, Ghasem Azemi, Sampsa Vanhatalo
Abirami Ratnasingham	PhD, UQ (2016 – 2019)	Long term consequences of altered neonatal adiposity	Barbara Lingwood, <b>Timothy Donovan</b> , Marloes Nitert Dekker, Peter Davies
Sonia Sam	PhD, UQ (2011 – 2016)	Cardiovascular factors associated with poor outcome in preterm infants	Barbara Lingwood, <b>Paul Colditz</b>
Emma Schleiger	PhD, UQ (2012 – 2016)	Ameliorating functional deficits in neurological conditions via monitoring and targeting brain electrophysiological signals	<b>Simon Finnigan</b> , <b>Andrew Wong</b> , Stephen Read
Nabeel Sheikh	PhD, UQ (2011 – 2016)	Role of quantitative EEG in diagnosis, prognostication and management of acute stroke	<b>Andrew Wong</b> , <b>Simon Finnigan</b> , Stephen Read
Timothy Sherry	PhD, UQ (2015 – 2018)	Identification of brain events via electroencephalogram eeg through blind source separation	<b>Paul Colditz</b>

### Research Fellows

Name	Type of Fellowship	Research Program	University <i>(years)</i>
Paul Colditz	Professor of Perinatal Medicine	Clinical neonatology, neuroscience, biomedical signal processing	UQ
Barbara Lingwood	Senior Research Fellow	Cardiovascular function in the preterm infant, infant body composition	UQ
Tracey Bjorkman	Lions Senior Medical Research Fellow	Hypoxic-ischemic brain injury and seizures in the neonate	UQ

## Perinatal Research Centre *(cont)*

### Research Fellows *(cont)*

Name	Type of Fellowship	Research Program	University <i>(years)</i>
Yvonne Eiby	Research Officer	The cardiovascular system of preterm infants	UQ
Janet Hammill	Honorary Senior Fellow	Collaboration for Alcohol Related Developmental Disorders	UQ
Timothy Donovan	Associate Professor	Improving outcomes for preterm infants particularly in the area of nutrition, growth/ body composition and development. Ongoing research in the use of telemedicine to provide outreach care of sick infants in regional hospitals. Epidemiology of gastroschisis	UQ
Boualem Boashash	Professor	Time-frequency signal analysis, biomedical signal processing, spectral estimation, signal detection and classification	UQ
Stephen Rose	Honorary Professor	Development and application of advanced MRI techniques to aid the detection and monitoring of disease processes	UQ
Nigel Barnett	Honorary Senior Fellow	The effects of hypoxia/ischaemia in visual development and disease	UQ
Simon Finnigan	Senior Research Fellow	Brain monitoring techniques to improve outcomes for critically ill patients (e.g. extremely premature babies; stroke patients)	UQ
Eugene Lumbers	Honorary Professor	Fetal origins of adult diseases, hypertension, development of control of the circulation, exercise and training, and renal development and function	UQ
Christine East	Honorary Professor	Fetal monitoring	Monash University
Michael Colditz	Honorary Fellow	Clinical neuroscience	UQ
Margo Pritchard	Honorary Senior Fellow	Child health surveillance and intervention	Australian Catholic University (ACU)
Aven Lee	Postdoctoral Research Fellow	Molecular biology and protein biology of the brain	UQ
Shiying Dong	Research Officer	Signal processing: applications to the analysis and detection of perinatal asphyxia	UQ
Julie Wixey	Research Officer	Hypoxic-ischaemic brain injury, intrauterine growth restriction and inflammation in the neonatal brain	UQ
Melissa Lai	Senior Lecturer	EEG in preterm babies	UQ
Leanne Winter	Project Coordinator	Prem Baby Triple P	UQ
Lisa McKeowen	Research Nurse	Clinical Trials Group	UQ
Stephanie Miller	Research Assistant	Hypoxic-ischaemic brain injury and seizures in the neonate	UQ
Kirat Chand	Research Officer	Hypoxic-ischaemic brain injury, inflammation and seizures in the neonate	UQ
Karen Taylor	Research Nurse	Clinical Trials Group supporting: Enhanced parenting to improve developmental outcomes in preterm infants	UQ
Randal Moldrich	Honorary Fellow	Preterm brain outcomes	UQ
Therese De Dassel	Honorary Research Fellow	Clinical psychology, psychiatry	UQ
Donna Hovey	Adjunct Fellow	Clinical Trials	UQ



## Perinatal Research Centre *(cont)*

### Research Fellows *(cont)*

Name	Type of Fellowship	Research Program	University <i>(years)</i>
Gillian Lack	Adjunct Fellow	Clinical Trials	UQ
Kellie McGrory	Research Nurse	Clinical Trials	UQ
Anja Frew	Research Nurse	Clinical Trials	UQ
Keren Elfverson	Research Nurse	Clinical Trials	UQ
Kylie Smart	Research Nurse	Clinical Trials	UQ

### Current RBWH Led Research Activity

RBWH Lead Researchers	Collaborative Researchers <i>(RBWH staff in bold)</i>	Research Project Title
Paul Colditz	Yvonne Eiby, <b>Sonia Sam</b> , Susan Sullivan	Effective volume expansion in preterm neonates: Cardiovascular and Cerebral outcomes
Sonia Sam	Yvonne Eiby, <b>Paul Colditz</b>	Is angiotensin II a better inotrope than dopamine in preterm infants?
Melissa Lai	Stella Tracey Bjorkman	Defining the mechanisms of hypothermic neuroprotection in the HIE newborn
Paul Colditz	Roslyn Boyd, Atul Malhotra, Stephen Rose, Boualem Boashash, Michael Ditchfield, Michael Fahey, Kerstin Pannek, Randal Moldrich	Neurodevelopment of the preterm infant
Paul Colditz	Matthew Sanders, Roslyn Boyd, Margo Pritchard, Peter Gray, Michael O'Callaghan, Virginia Slaughter, Koa Whittingham	Enhanced parenting capacity to improve developmental outcomes in preterm infants
Paul Colditz	Barbara Lingwood, Kathryn Buller	BRAIN – Brain Research Advances In Newborns

### Other Current Collaborative Research Activity

Collaborative Lead Researchers	RBWH Researchers	Research Project Title
Stella Tracey Bjorkman	Paul Colditz	Carbon dioxide as a treatment for seizures in the newborn
Boualem Boashash	Paul Colditz	Automated Neonatal EEG Quality Assessment and Improvement using Artefact Filtering and Signal Segmentation
Boualem Boashash	Paul Colditz	Localization of EEG Abnormalities for Improving Brain Monitoring of Newborn Babies at Risk of Brain Injury using a multichannel time-frequency signal processing approach
Rebecca Pelekanos	Paul Colditz, Nicholas Fisk	Stem cell therapy and neurostimulation repair of white matter injury to prevent cerebral palsy
Roslyn Boyd	Paul Colditz	PPREMO: Prediction of preterm early motor and neurodevelopmental outcomes using advanced brain imaging and an early assessment toolbox
Roslyn Boyd	Paul Colditz	PPREMO: Prediction of Preterm Early Motor and neurodevelopmental Outcomes
Rodney Hunt	Paul Colditz	A study of the impact of treating electrographic seizures in term or near-term infants with neonatal encephalopathy

Perinatal Research Centre *(cont)*

Research Awards and Achievements

Recipient	Award	Event
Nada Al-Theyab	Most innovative poster	RBWH Symposium
Stephanie Miller, Kate Goasdoue, Doreen Awabdy, Tracey Bjorkman	Publication of the month (December) award winner	2015 UQCCR Awards
Paul Colditz	2014 Reviewer Thank you	(2015) PLOS ONE
Paul Colditz	Graduate	Australian Institute of Company Directors



# Obstetrics and Gynaecology Services

The Department of Obstetrics and Gynaecology continues to increase its activity and provides tertiary and quaternary obstetrics and gynaecology services. The aim of the department is to conduct multidisciplinary research to ensure the care of the women we treat and manage is contemporary and evidenced based.

The multidisciplinary services include:

- Birthing Services and Birthing Centre
- Antenatal Day Assessment Service
- Obstetric Review Centre
- Obstetric Medicine Services and Obstetric Telehealth Services
- Maternal Fetal Medicine and Centre for Advanced Prenatal Care
- Maternity Outpatients Service
- Endocrine Service
- Young Parents Program
- General Practitioner Maternity shared care program
- Team midwifery models in conjunction with obstetric care
- Midwifery group practice
- Eligible Private Practice Midwives
- Inpatient Unit and Lactation Service
- General gynaecology
- Colposcopy
- Advanced laparoscopic surgery and endometriosis services
- Gestational trophoblastic disease
- Acute and emergency care
- Early pregnancy assessment unit
- Reproductive Endocrinology and Infertility services
- Prolapse and incontinence surgery
- Statewide paediatric and adolescent gynaecology
- Multidisciplinary BRAC 1 clinic.

Maternity Services collaborate closely with the Perinatal Research Centre and UQ CCR for ongoing multi-centre research projects. The Maternal Fetal Medicine unit provides a comprehensive and competitive environment for prospective and retrospective research and audits and undertakes collaborative research with other centres in Australia and New Zealand.

The Statewide Paediatric and Adolescent Gynaecology Services have received a number of research grants and are active in research. The service now provides outreach services to the Lady Cilento Childrens Hospital. Reproductive endocrinology and infertility is a division of the Department of Gynaecology. A fertility service is provided and includes investigations, medication and counselling, but does not include IVF /Assisted Reproductive Technology.

There have been multiple publications from the Statewide Paediatric and Adolescent Gynaecology Service (PAG), Gynaecology Department, MFM unit, Statewide Maternity and Neonatal Clinical Guidelines. The unit has been successful in obtaining numerous research grants across PAG, MFM and Clinical Guidelines.

The Obstetrics and Gynaecology department collaborates with numerous other departments within Metro North Hospital and Health Service (MNHHS) as well as with UQ, UQCCR, Mater Hospital, interstate hospitals and New Zealand.

## Supervised Post-graduate Research Students

Name	Current Studies University (duration)	Research Project Title	Supervisors (RBWH staff in bold)
Dareen Almohammadi	Masters thesis, UQ (2015–2016)	Fetal-Maternal interaction using exosomes in GDM pregnancies	Carlos Salomon Gallo, Greg Rice, <b>Greg Duncombe</b>
Suzanna Majok	BMSc, UQ (2014–2015)	The effect of artificial sweeteners on the bioactivity of placenta-derived exosomes.	Carlos Salomon Gallo, Greg Rice, <b>Greg Duncombe</b>
Omar Elfeky	Med Student (2014–2016)	Placenta-derived exosomes, a possible biomarker for early detection of complication of pregnancies	Carlos Salomon Gallo, Greg Rice, <b>Greg Duncombe</b>



## Obstetrics and Gynaecology Services *(cont)*

### Current RBWH Led Research Activity

RBWH Lead Researchers	Collaborative Researchers <i>(RBWH staff in bold)</i>	Research Project Title
Paul Colditz	<b>Gregory Duncombe</b>	Inotrope treatment in preterm neonates

### Other Current Collaborative Research Activity

Collaborative Lead Researchers	RBWH Researchers	Research Project Title
Fran Boyle (UQ), Vicki Flenady (TRIP – Mater Research)	Yogesh Chadha Deborah Birthisel	The Stillbirth Autopsy Consent Study
Vicki Flenady (TRIP – Mater Research), ANZ Stillbirth Alliance Research Consortium	Yogesh Chadha Deborah Birthisel	The Stillbirth Causes Study
Vicki Flenady (TRIP – Mater Research), Glenn Gardener (MFM–Mater Mothers)	Yogesh Chadha	My Baby's Movements Multicentre Trial
Carlos Salomon Gallo, Greg Rice	Gregory Duncombe	Exosomes in Pregnancy Complications
Elizabeth Sullivan and AMOSS group	Gregory Duncombe	Vasa praevia incidence, diagnosis, management and affect on pregnancy (AMOSS collaboration formerly based at UNSW now UTS based, NSW, QLD and overseas collaborators)
Elizabeth Sullivan, C Saunders, J Dickinson, F Boyle, A Ives, L Halliday, N Rose-Humphreys, AMOSS group	Gregory Duncombe	Breast Cancer diagnosis in pregnancy, incidence and management (to extend to pregnancy after breast cancer)
Katie Groom (Auckland)	Renuka Sekar	Sildenafil therapy in dismal prognosis fetal growth restriction Randomised trial STRIDER NZ study
Murray Mitchell	Renuka Sekar	Placental microsomes in PTD

### Research Awards and Achievements

Recipient	Award	Event
Felicity Fox	Outstanding Site Award (NHMRC funded studies)	PaCCSC Annual Research Conference, 21st February 2015



# Queensland Centre for Gynaecological Cancer

The Queensland Centre for Gynaecological Cancer (QCGC) is a state-wide service for the management of women with gynaecological cancer. QCGC Research is the research branch of QCGC. The Director of QCGC Research is Professor Andreas Obermair who leads and develops the unit to produce meaningful research outcomes.

QCGC Research's mission is to research and develop the best standard of care for women experiencing gynaecological cancer. This may include finding causes for and preventing gynaecological cancer; and finding better treatment options to cure women affected by gynaecological cancer.

QCGC Research's focus is on conducting surgical clinical trials in the field of gynaecological cancer but also perform ground-breaking work outside the conventional clinical trials framework.

Our research is funded partly by competitive research grants (NHMRC project grants, smart state research grants, Cancer Australia), by support from individual and corporate donors as well as from fundraising events.

These research activities help improve patient outcomes by researching the most effective treatment for women with gynaecological cancers.

In 2015 we began recruiting for the ECHO Trial which examines the benefits of exercise during chemotherapy for ovarian cancer. This study is collaboration between QUT, NHMRC Clinical Trials Centre and QCGC Research. Also in 2015 QCGC, in collaboration with the Department of Nuclear Medicine, began the IMAGE Trial which is investigating the impact of gated PET/CT on the diagnosis of distant metastases in advanced ovarian cancer. The femMe trial, which allows a large number of women to have effective treatment of their endometrial cancer without the need for major surgery and its implications, expanded in 2015 with further sites beginning recruitment.

## Research Fellows

Name	Type of Fellowship	Research Program	University (years)
Nigel Armfield	Research	Gynaecological Oncology	UQ (2011–present)

## Current RBWH Led Research Activity

RBWH Lead Researchers	Collaborative Researchers	Research Project Title
Andreas Obermair	<b>Jim Nicklin (Gyn Onc), Russell Land (Gyn Onc), Andrea Garrett (Gyn Onc)</b> , Lewis Perrin (Mater), Tom Manolitsas (Monash), Deb Neesham (The Women's), Stuart Salfinger (SJOG), Yee Leung (KEMH), Russell Hogg (Westmead), Geoff Otton (JHH), Selvan Pather (RPA), Rhonda Farrell (Royal Hosp Women), Martin Oehler (Royal Adelaide Hosp), Peter Sykes (Christchurch), Hextan Ngan (Hong Kong), Graeme Walker (Scotland)	Laparoscopic Approach to Carcinoma of the Endometrium. An International Multicentre Randomised Phase 3 Clinical Trial
Andreas Obermair	<b>Jim Nicklin, Russell Land, Andrea Garrett, Amy Tang (Gyn Onc)</b> , Lewis Perrin (Mater), Marcelo Nascimento (GCUH), Jonathan Carter (Chris O'Brien), Orla McNally (The Women's), Kym Reid (Monash), Yee Leung (KEMH), Stuart Salfinger (SJOG), Peter Sykes (Christchurch), Cecile Bergzoll (Wellington), Lois Eva (Auckland)	A Phase II Randomised Clinical Trial of Mirena® ± Metformin ± Weight Loss Intervention in Patients with Early Stage Cancer of the Endometrium
Andreas Obermair, Paul Thomas	<b>Jim Nicklin, Russell Land, Andrea Garrett, Amy Tang</b>	Impact of gated PET/CT on the diagnosis of distant metastases of advanced epithelial ovarian, fallopian tube, and primary peritoneal cancer
Andreas Obermair	Monika Janda (QUT)	What would it take to reduce the proportion of women who have a hysterectomy via an open abdominal approach in Australia?

Queensland Centre for Gynaecological Cancer *(cont)*

Other Current Collaborative Research Activity

Collaborative Lead Researchers	RBWH Researchers	Research Project Title
Sandi Hayes (QUT)	Andreas Obermair, Jim Nicklin, Russell Land, Andrea Garrett, Amy Tang	A Phase III randomised controlled trial of exercise during chemotherapy for patients commencing first line treatment for ovarian cancer.
Pedro Ramirez (MD Anderson USA)	Andreas Obermair, Jim Nicklin, Russell Land, Andrea Garrett	A Phase III Randomized Clinical Trial Comparing Laparoscopic or Robotic Radical Hysterectomy versus Abdominal Radical Hysterectomy in Patients with Early Stage Cervical Cancer.





## Grantley Stable Neonatal Unit

The Department of Neonatology with 71 beds is one of the largest neonatal units in Australia. Our patient demographics changed in 2015 due to all surgical patients transferring to the Mater Mother's Hospital post opening of the Lady Cilento Children's Hospital. More preterm infants and infants with hypoxic ischaemic encephalopathy are now being looked after in our Department. RBWH is the only hospital in Queensland with a Pasteurised Donor Human Milk Bank. It is also home to NeoRESQ (Neonatal Retrieval Service for South East Queensland). All of the above has driven our research and for the first time, milk bank research has increased in the unit due to collaboration with UQ.

RBWH Neonatology is also active in multi-centre trials as a valued member.

A large body of work is underway to increase blended learning for our staff with multi-media engagement.

Our aim for the future is to provide a reliable research base for all staff, focusing on clinical areas such as the retrieval service and the milk bank. We will continue to collaborate on multi-centre trials while increasing our own output.

### Supervised Post-graduate Research Students

Name	Current Studies University (duration)	Research Project Title	Supervisors (RBWH staff in bold)
Donna Franklin	PhD, UQ	High flow nasal cannula treatment in bronchiolitis.	John Fraser, <b>Mark Davies</b>
Luke Jardine	PhD, UQ	General movements and prediction of neuro-developmental outcome.	Paul Colditz, <b>Mark Davies</b>
Michelle Paliwoda	PhD, UQ	Newborn early warning tool development	Karen New, <b>Mark Davies</b>
Didier Tshamala	Advanced training research project RACP	The effect of pasteurised donor human milk availability and breast feeding	<b>Mark Davies</b>
Janet Sharpe	Advanced training research project RACP	The effect of pasteurised donor human milk and probiotics availability on mortality/infection and NEC	<b>Mark Davies, Pieter Koorts, Mandy Way</b>
Janet Sharpe	Advanced training research project RACP	Does earlier arrival of the retrieval team improve outcomes in outborn infants born before 29 weeks gestation?	<b>Mark Davies, Pieter Koorts</b>
Janet Sharpe	Advanced training research project RACP	Transition of care from the Neonatal Intensive Care Unit to a tertiary paediatric facility for infants with chronic medical conditions	<b>Mark Davies</b>
Deb Gilmour	Advanced training research project RACP	Exposure to sound, vibration and light during neonatal retrievals	<b>Mark Davies</b>
Deborah Gilmour	Advanced training research project RACP	Adequacy of Neonatal Palliative Care in a Single Neonatal Unit	<b>Mark Davies, Anthony Herbert</b>
Alex Kanon	Honours, BSc, UQ	Preterm infant nutrient intake and cerebral MRI outcome	<b>Tim Donovan</b> , Barbara Lingwood
Nada Al Theyab	PhD, UQ	The Effect of Macronutrient Intake on Ex- Utero Growth and Body Composition in Preterm Infants	<b>Tim Donovan</b> , Barbara Lingwood, Paul Colditz
Fabio Gomes	PhD, UQ	To investigate vitamin D and vitamin D analogues levels in breast milk	Amitha Hewavitharana, Nick Shaw, <b>Pieter Koorts, Karen Whitfield</b>
Nor Taufek	PhD, UQ	To investigate trace element levels in Human Breast Milk	<b>Karen Whitfield</b> , Amitha Hewavitharana, Nick Shaw
Erin Moody	Masters, UQ	Antimicrobial stewardship in the Neonatal Intensive Care Unit and Special care units	<b>Karen Whitfield</b>

## Grantley Stable Neonatal Unit *(cont)*

### Current RBWH Led Research Activity

RBWH Lead Researchers	Collaborative Researchers <i>(RBWH staff in bold)</i>	Research Project Title
Didier Tshamala	<b>Mark Davies</b>	The effect of pasteurised donor human milk availability and breast feeding
Janet Sharpe	<b>Mark Davies, Pieter Koorts</b> , Mandy Way	The effect of pasteurised donor human milk and probiotics availability on mortality/infection and NEC
Janet Sharpe	<b>Mark Davies, Pieter Koorts</b>	Does earlier arrival of the retrieval team improve outcomes in outborn infants born before 29 weeks gestation?
Janet Sharpe	<b>Mark Davies</b>	Transition of care from the Neonatal Intensive Care Unit to a tertiary paediatric facility for infants with chronic medical conditions
Deborah Gilmour	<b>Mark Davies</b>	Exposure to sound, vibration and light during neonatal retrievals
Deborah Gilmour	<b>Mark Davies</b> , Anthony Herbert	Adequacy of Neonatal Palliative Care in a Single Neonatal Unit
Pieter Koorts	<b>Rebecca Kimble</b> , Brent Knack, Jacinta Lee, Lucy Cooke, Kelly Dixon	Perinatal viability: consensus survey
Pieter Koorts	<b>Paul Colditz</b>	SuPreme study
Pieter Koorts	<b>Margo Pritchard</b>	LIFT- Does lactoferrin improve survival free from morbidity in very low birth weight infants? Lactoferrin Infant Feeding Trial: a randomised controlled trial
Pieter Koorts	Delene Thomas	Neonatal Screening for Congenital CMV / BEST Q
Adam Hoellering	<b>Mark Davies, Didier Tshamala</b>	Study of UVC movement over time
Karen Whitfield	<b>Pieter Koorts, Mark Davies, David Cartwright</b>	To investigate the safety and efficacy of the current gentamicin dosage regimen prescribed to infants at the RBWH Neonatal Unit

### Other Current Collaborative Research Activity

Collaborative Lead Researchers	RBWH Researchers	Research Project Title
Fran Boyle (UQ), Vicki Flenady (TRIP – Mater Research)	Yogesh Chadha, Deborah Birthisel	The Stillbirth Autopsy Consent Study
Vicki Flenady (TRIP – Mater Research), ANZ Stillbirth Alliance Research Consortium	Yogesh Chadha, Deborah Birthisel	The Stillbirth Causes Study
Vicki Flenady (TRIP – Mater Research), Glenn Gardener (MFM–Mater Mothers)	Yogesh Chadha	My Baby's Movements Multicentre Trial
Carlos Salomon Gallo, Greg Rice	Gregory Duncombe	Exosomes in Pregnancy Complications
Elizabeth Sullivan and AMOSS group	Gregory Duncombe	Vasa praevia incidence, diagnosis, management and affect on pregnancy (AMOSS collaboration formerly based at UNSW now UTS based, NSW, QLD and overseas collaborators)
Elizabeth Sullivan, C Saunders, J Dickinson, F Boyle, A Ives, L Halliday, N Rose-Humphreys, AMOSS group	Gregory Duncombe	Breast Cancer diagnosis in pregnancy, incidence and management (to extend to pregnancy after breast cancer)
Katie Groom (Auckland)	Renuka Sekar	Sildenafil therapy in dismal prognosis fetal growth restriction Randomised trial STRIDER NZ study
Murray Mitchell	Renuka Sekar	Placental microsomes in PTD

## Department of Obstetric Medicine

The Obstetric Medicine research group has been successful in numerous research grant/funds. The department intends to improve the outcomes of complex pregnancy for women and their infants through basic and clinically applied research. We have a broad interest in maternal health, with studies addressing areas from anaesthetics, maternal obesity and diabetes as well as asthma and psychological status. Our research laboratory is currently focussing on placental metabolism in maternal diabetes and preeclampsia as well as the relationship between the maternal gut microbiome and pregnancy outcomes.

In 2015, Professor Leonie Callaway led a NHMRC funded randomised controlled trial from RBWH – the SPRING study of probiotics for the prevention of GDM. We also collaborated on the BLT (breathing for life trial) of asthma management in pregnancy, a multicentre Australian trial led by Newcastle University. Other grants included > \$160,000 in project grant funding addressing maternal metabolism, and the microbiome.

The Obstetric Medicine Unit is active in clinical and basic science research across all medical problems which occur throughout pregnancy. A number of PhD candidates are currently undertaking research in all areas of Obstetrics and Gynaecology.

### Supervised Post-graduate Research Students

Name	Current Studies University (duration)	Research Project Title	Supervisors (RBWH staff in bold)
Catherine Kilgour	PhD (completed 2015)	Communication between Hospital Clinicians, General Practitioners and Women: Postpartum Follow-up of Mothers with Gestational Diabetes Mellitus	Fiona Bogossian, <b>Leonie Callaway</b> , Cindy Gallois, David McIntyre
Helen Robinson	PhD 2015 –	Carbohydrate Restriction in the Management of Gestational Diabetes	<b>Leonie Callaway</b> , <b>Helen Barrett</b> , Marloes Dekker Nitert
Fiona Britten	PhD 2014 –	Breastfeeding in women with Type 2 diabetes	<b>Leonie Callaway</b> , <b>Emma Duncan</b>
Naomi Achong	PhD 2010 –	Insulin requirements in pregnant women with type 1 diabetes mellitus during late pregnancy and the peripartum period	<b>Leonie Callaway</b> , <b>Emma Duncan</b> , David McIntyre
Victoria Eley	PhD 2013 –	Clinical guidelines relating to the anaesthetic management of obese parturients: An evaluation of their clinical utility and supporting evidence	<b>Leonie Callaway</b>
Luisa Gomez Arango	PhD 2014 –	Microbiome in pregnancy	<b>Leonie Callaway</b> , Marloes Dekker Nitert
Cara Odenthal	MPhil 2013 –	Can MRI at 3 and 5 years after first demyelinating event detect reduction in rain volume in patients who progress to clinically definite MS compared to those who do not?	<b>Leonie Callaway</b>
Kristine Matusiak	MPhil 2012 –	Effects of preconception weight loss on the HPA axis.	Marloes Dekker Nitert, <b>Leonie Callaway</b>
Angela North	MPhil 2015 –	Therapeutic heparin antenatal and peripartum	<b>Karen Whitfield</b> , <b>Karin Lust</b> , <b>Helen Barrett</b>
Sarah Kugelman	MBBS (Hons) Class I (completed 2015)	Mitochondrial transcription factor dysregulation in placenta from women with preeclampsia	<b>Helen Barrett</b> , Marloes Dekker Nitert
Charlotte Ramin	MBBS (Hons) Class I (completed 2015)	Increased placental expression of hexosamine signalling pathway genes in women with GDM	<b>Helen Barrett</b> , Marloes Dekker Nitert
William Carrey-Foster	BSc (Hons)	Prevalence of antibiotic resistance genes in the gut microbiome of pregnant women	<b>Helen Barrett</b> , Marloes Dekker Nitert

### Research Fellows

Name	Type of Fellowship	Research Program	University (years)
Helen Barrett	ADS-Skip Martin Early Career Fellowship	Triglycerides in pregnancy	UQ (2015–2016)



## Department of Obstetric Medicine *(cont)*

### Research Fellows *(cont)*

Name	Type of Fellowship	Research Program	University <i>(years)</i>
Helen Robinson	NHMRC PhD scholar	Carbohydrate Restriction in the Management of Gestational Diabetes	UQ (2015–2018)
Helen Robinson	RBWH foundation research higher degree scholarship	Carbohydrate Restriction in the Management of Gestational Diabetes	UQ (2015–2018)
Fiona Britten	RBWH foundation research higher degree scholarship	Breastfeeding in women with Type 2 diabetes	UQ (2015–2018)
Fiona Britten	Diabetes QLD scholarship	Breastfeeding in women with Type 2 diabetes	UQ (2015–2018)

### Current RBWH Led Research Activity

RBWH Lead Researchers	Collaborative Researchers <i>(RBWH staff in bold)</i>	Research Project Title
Leonie Callaway	David McIntyre, Marloes Dekker Nitert, J Tobin, P O'Rourke, S Wilkinson, C McSweeney, <b>Helen Barrett</b>	SPRING trial

### Other Current Collaborative Research Activity

Collaborative Lead Researchers	RBWH Researchers	Research Project Title
Katherine Poulsen (TPCH), Claire Barrett (Redcliffe), Laurel Young (Redcliffe)	Helen Barrett	Pregnancies Exposed to Biological (PEB) Study

### Research Awards and Achievements

Recipient	Award	Event
Helen Robinson	ADIPS Novo Nordisk Grant 2015	ADIPS Annual Scientific Meeting



# Appendices

## Appendix A

### Research Grants

Investigators ( <i>RBWH staff in bold</i> )	RBWH Research Groups/Departments	Project Title	Granting Body	Amount in 2015	Total Amount (years)
Tracy Comans, Veronica Schoeb, Petrea Cornwall, Louise Gustafsson	Allied Health	Discharge planning – what is an effective transition between hospital and community	Griffith University / Hong Kong Polytechnic	\$5,112	<b>\$30,672</b> (2015–2016)
Kathleen Hall, Scott Bell, Suzanne Kuys, Nicole Bellet, Mark Roll, Robyn Cobb, Trent Donneley, Tracy Comans	Allied Health	Evaluation of the utilization of an allied health assistant within an adult Cystic Fibrosis Centre	Health Practitioner Research Grant	\$34,306	<b>\$68,612</b> (2015–2016)
Andrew Wong, Simon Finnigan, Alan Coulthard, Stephen Read	Neurology / Allied Health / Medical Imaging	Quantitative Electroencephalography in Stroke (QuEST)	RBWH Foundation	\$5,000	<b>\$60,000</b> (2014–2016)
Merrilyn Banks	Nutrition and Dietetics	Efficacy and cost effectiveness of nutrition in healing pressure ulcers	NHMRC	\$36,861	<b>\$147,446</b> (2012–2015)
Sarah Andersen	Nutrition and Dietetics / Cancer Care	Does early proactive enteral nutrition improve outcomes post allogeneic stem cell transplantation – A randomized comparison to standard care	RBWH	\$24,302	<b>\$24,302</b> (2015)
Wendy Chaboyer, Tracey Bucknal, Joan Webster, Liz McInnes, Merrilyn Banks, Matianne Wallis, Brigid Gillespie, Jennifer Whitty, Lukman Thalib, Nicky Cullum	Nursing and Midwifery Research Centre / Nutrition and Dietetics	INTroducing A Care bundle To prevent pressure injury (the INTACT trial)	NHMRC	\$535,538	<b>\$1,071,076</b> (2014–2015)
Claire Blake, Merrilyn Banks, Mark Appleyard	Nutrition and Dietetics	Expanded extended scope of practice in the management of gastrostomy devices	Allied Health Professions' Office of Queensland	\$35,519	<b>\$35,519</b> (2015)
Kirsten Cook, Sue Laracy, Michelle Stute, Shireen Senewiratne	Occupational Therapy	Occupational Therapy in the Treatment of Carpal Tunnel Syndrome for Patients Referred for Surgical Opinion in an Australian Public Hospital	Allied Health Professions' Office of Queensland	\$3,000	<b>\$27,162</b> (2015–2016)
Julie Adsett, Alison Mudge, Jennifer Paratz, Norm Morris	Physiotherapy	Safety and efficacy of aquatic exercise in patients with stable heart failure	National Heart Foundation of Australia	\$11,864	<b>\$71,440</b> (2012–2017)
Julie Adsett, Annabel Hickey	Physiotherapy	HEART Online improvement project	State-wide Cardiac Clinical Network	\$130,000	<b>\$130,000</b> (2015)
Sue Berney, Lynda Denehy, Dale Needham, Jennifer Paratz, Rene Koopman, Ramona Hopkins	Physiotherapy	Functional electrical stimulation assisted cycling (eStimCycle): A novel intervention to improve outcomes in the critically ill	NHMRC	\$168,400	<b>\$842,000</b> (2014–2018)
Kerina Denny, Jeremy Cohen, Jeffery Lipman, Jennifer Paratz, Joel Dulhunty, David Evans, C Pretorious, David Paterson	Physiotherapy	A Biomarker for Sepsis to Thwart Antibiotic Overuse in the Intensive Care Unit	RBWH	\$56,898	<b>\$56,898</b> (2014–2017)
Jennifer Paratz, Peter Thomas, George Ntoumenopolous, Alice Jones, Gianluigi Li Bassi, Antoni Torres	Physiotherapy	Identification and location of secretion retention in mechanically ventilated patients	RBWH	\$40,000	<b>Undisclosed</b> (2014–2017)



Investigators ( <i>RBWH staff in bold</i> )	RBWH Research Groups/Departments	Project Title	Granting Body	Amount in 2015	Total Amount (years)
Deekhoon Jun, J Johnson, Shaun O'Leary	Physiotherapy	A longitudinal study of risk factors for neck pain in office workers	Office Ergonomic Research Committee	\$5,725	<b>\$11,500</b> (2014-2015)
Elise Gane, Shaun O'Leary, Steven McPhail, Anna Hatton, B Panizza	Physiotherapy	Identifying risk factors for poor functional recovery of the neck and shoulder after neck dissection surgery in patients with head and neck cancer	Physiotherapy Research Foundation	\$9,974	<b>\$9,974</b> (2015)
Venerina Johnston, L Straker, G Sjogaard, Shaun O'Leary, M Melloh	Physiotherapy	A workplace-based exercise intervention to prevent and reduce the economic and personal burden of non-specific neck pain in the office personnel	NHMRC	\$150,000	<b>\$660,834</b> (2013-2017)
Matthew Linnane, Amanda Corley, Amy Spooner, Peter Thomas, Lawrence Caruana, Oystein Tronstad, J Walsh, John Fraser	Physiotherapy	A comparison of the effects of manual hyperinflation and ventilator hyperinflation on restoring end expiratory lung volume after airway suctioning	TPCH Foundation	\$9,793	<b>\$9,793</b> (2015)
Fiona Coyer, Jessica Ingleman, Anthony Holley, Christina Parker, Chris Edwards, Mohsina Khatun, Peter Thomas, Greg McNamara	Intensive Care Services/ Physiotherapy	Critically ill patient tissue reperfusion in two body positions and varied timed periods of load: EXTREME pressure 2 study	Wound Management Innovation Centre for Research Collaboration	\$181,398	<b>\$181,398</b> (2015-2016)
Helen Edwards, Janelle Greitschus, Jenny Nucifora, Sonia Sam	Physiotherapy	Effectiveness of a Gynaecology Physiotherapy Screening Clinic (GPSC) in improving health outcomes and access to care for women on gynaecology outpatient waiting lists	Health Practitioner Research Scheme	\$21,448	<b>\$21,448</b> (2015)
Shailendra Maharaj, Peter Slaterry, Stephanie Fountain	Rehabilitation Engineering	Telerehabilitation – Measuring from a distance	Children's Hospital Foundation	\$28,702	<b>\$29,959</b>
Clare Burns, Liz Ward, Anne Hill, Ben Keir	Speech Pathology/ Cancer Care	Conducting instrumental assessments of adult dysphagia via telehealth: A pilot validation study	RBWH Foundation	\$26,414	<b>\$26,414</b> (2014-2015)
Anna Farrell, Alexia Rohde, Penni Burfein, Andrew Wong, Genevieve Skinner, Linda Worrall	Speech Pathology/ Neurology	Evidence-based identification of aphasia using a rational clinical examination approach	RBWH Foundation	\$56,792	<b>\$56,792</b> (2014-2015)
Jennifer Helios, Laura Moroney, Clare Burns, Ann-Louise Spurgin	Speech Pathology/ Cancer Care	Dysphagia outcomes in head and neck cancer patients undergoing tomotherapy	RBWH Foundation	\$26,429	<b>\$26,429</b> (2014-2015)
Anna Farrell, Anna Rumbach, Stacey Verner-Wren, Rebecca Nund, Nerina Scarinci, Nicole Hutchinson, Robert Henderson, Pamela McCombe	Speech Pathology/ Neurology	Patient and family carer experiences of dysphagia in Motor Neurone Disease: determining speech pathology service needs for those living in rural and remote locations	Health Practitioner Research Scheme	\$7,535	<b>\$15,070</b> (2015-2017)
Clare Burns, Liz Ward, Robyn Saxon, Brooke Cowie, Amy Gray	Speech Pathology	Development, implementation and evaluation of a Queensland Health telepractice model for the clinical assessment of adult dysphagia	Health Practitioner Research Scheme	\$27,575	<b>\$52,012</b> (2015-2017)
Nadia De Silva, Dave Copland, Georgia Thomas, Lindy Jeffree, Sarah Heaton, Anna Farrell	Speech Pathology/ Neurosurgery	The use of functional magnetic resonance imaging and MRI diffusion tractography for pre-surgical mapping and investigation of neuroplasticity in adults with a brain tumour	RBWH Foundation	\$47,140	<b>\$47,140</b> (2015)
Nienke Zomerdijs	Haematology/Bone Marrow Transplant Clinical Trials	The psychosocial impact of allogeneic stem cell donation on adult sibling donors	UQ	\$26,000	<b>\$104,000</b> (2015-2018)



Investigators ( <i>RBWH staff in bold</i> )	RBWH Research Groups/Departments	Project Title	Granting Body	Amount in 2015	Total Amount (years)
Nick Weber, Glen Kennedy, Jeffrey Lipman, Jason Roberts, Brett McWhinney, Jacobus Ungerer	Haematology, Burns, Trauma and Critical Care Research Centre	Evaluation of pharmacokinetic and clinical outcomes with standard empiric beta-lactam antibiotic dosing strategies in patients with febrile neutropenia being treated with intensive chemotherapy for haematological malignancies, including assessment of alterations in renal clearance in the setting of sepsis	RBWH Foundation	\$2,000	<b>\$2,000</b> (2015)
Geoff Hill	Cancer Care Services	Understanding and optimising graft versus myeloma affects after BMT	Cancer Council, Queensland	\$100,000	<b>\$200,000</b> (2015-2016)
Geoff Hill	Cancer Care Services	Immunological therapies for cancer, chronic infection and autoimmunity	NHMRC	\$359,506	<b>\$1,797,530</b> (2015-2019)
Geoff Hill	Cancer Care Services		NHMRC	\$800,000	<b>\$4,000,000</b> (2011-2015)
Geoff Hill	Cancer Care Services	IL-6 and GVHD	NHMRC	\$190,854	<b>\$572,562</b> (2014-2016)
Geoff Hill	Cancer Care Services		Queensland Health	\$708,333	<b>\$4,250,000</b> (2011-2016)
Steven Lane	Clinical Haematology	Targeting leukaemia stem cells to improve outcomes for patients with blood cancers	NHMRC	\$72,000	<b>\$284,000</b>
Steven Lane	Clinical Haematology	Deciphering the overlapping roles of SSB1 and SSB2 in the regulation of haematopoiesis and intestinal homeostasis	NHMRC	\$32,000	<b>\$128,000</b> (2015-2018)
Steven Lane	Clinical Haematology	Starving stem cells	NHMRC	\$161,000	<b>\$483,000</b> (2014-2016)
Steven Lane	Clinical Haematology	EGFR and MET signalling in MPN	NHMRC	\$80,000	<b>\$180,000</b> (2014-2016)
David Wyld	Medical Oncology	Neuroendocrine Tumour (NET) Survivorship – A Sociological Study in Patients with a Rare Tumour	Cancer Care Fund	\$12,000	<b>\$12,000</b> (2015)
David Wyld	Medical Oncology	Cancer on the margins: A qualitative study of neuro-endocrine patients' experiences of living with rare tumours	Ipsen Australia Pty Ltd	\$20,000	<b>\$20,000</b> (2015)
David Wyld	Medical Oncology	Evaluation of improvement in patient outcomes and assessment of patient satisfaction relating to their referral to the RBWH Neuroendocrine Multidisciplinary Service	Novartis Pharmaceuticals Australia Pty Ltd	\$20,000	<b>\$40,000</b> (2015-2016)
Gillian Nasato, David Wyld, Patsy Yates, Eileen Fennelly, Danielle Johanson, Jenni Leutenegger, Erin Downs, Rae Blades, Jadwiga Chabrowska, Michael Smith, Sarah Northfield, Nicole Gavin, Sally Jones	Cancer Care Services / Cancer Nursing Professorial Precinct	RBWH Cancer Care Services model of care: working to reduce avoidable emergency presentations and hospitalisations	MNHHS	\$49,285	<b>\$49,285</b> (2015)
Nicole Gavin, Gillian Nasato, Nicole Marsh, Emily Larsen, Sarah Northfield, Glen Kennedy, David Wyld, Michael Smith, Krispin Hajkowicz, Trent Atkinson, Barbara Hewer, Fiona Coyer, Alison Alexander, Patsy Yates, Peter Mollee	Cancer Nursing Professorial Precinct / Cancer Care Services / Infectious Disease	Central Venous Access Device Registry	MNHHS	\$70,000	<b>\$70,000</b> (2015)

Investigators ( <i>RBWH staff in bold</i> )	RBWH Research Groups/Departments	Project Title	Granting Body	Amount in 2015	Total Amount (years)
Jane Turner, Patsy Yates, Liz Kenny, Louisa Gordon, Bryan Burmeister, Damian Thomson, Brett Hughes, Alexandra McCarthy, Christopher Perry, Raymond Chan	Mental Health / Cancer Nursing Professorial Precinct / Radiation Oncology	Improving quality of life in high-risk cancer populations: a randomised trial of a structured intervention for head and neck cancer survivors	NHMRC	\$119,185	\$476,074 (2013-2016)
Ray Chan, Brett Hughes	Cancer Care Services	Development and evaluation of a nurse-led, tailored self-management behavioural intervention for managing distressing symptoms in patients with advanced cancer (The SM2 Study)	NHMRC / RBWH Foundation	\$39,944	\$199,724 (2013-2017)
Debra Anderson, Alexandra McCarthy, Patsy Yates, Jane Turner, Raymond Chan, Dian Tjondronegoro, Charlotte Seib, Janine Porter-Steele, Po Inglis, Jeff Goh	Cancer Care Services / Cancer Nursing Professorial Precinct	Younger Women's Wellness after Cancer Program: Pilot Study	RBWH Foundation	\$45,000	\$90,000 (2014-2015)
Teresa Brown, Judy Bauer, Marilyn Banks, Hughes, Liz Kenny, Charles Lin	Cancer Care Services	Prophylactic nutrition support in high risk patients prior to treatment for head and neck cancer	RBWH	\$30,000	\$30,000 (2015)
Matthew Burge, Melissa Eastgate, Barbara Leggett, Vicki Whitehall	Cancer Care Services	Investigating Novel Strategies for Precision Medicine in Colorectal Cancer	RBWH Foundation	\$63,000	\$63,000 (2015)
Steven Sylvander	Radiation Oncology	Implementation and evaluation of patient surface imaging system	NTFEP	\$428,000	\$500,000 (2015-2016)
Liz Kenny	Radiation Oncology	MIM Maestro Deformable Registration. Deformable registration software allows for elastic accurate registration of PET/CT, contrast CT, CBCT/MVCT, MRI dose and contour objects onto radiation treatment planning CT scans to facilitate accurate delineation of the volume of cancer requiring radiation treatment along with dose accumulation for adaptive treatment or instances of recurrence	NTFEP	\$157,667	\$473,000 (2015-2017)
Stephen Rose, Andrew Boyd, Andrew Whittaker, Paul Thomas, Michael Fay, Nicholas Fisk	Radiation Oncology	The development of innovative Multiplexed Molecular Imaging Technology targeting improved diagnostic imaging of Glioblastoma Multiforme	NHMRC	\$97,481	\$389,925 (2012-2015)
Steven Sylvander	Radiation Oncology	Radiation Oncology Workforce Program 2014	Australian Government Department of Health	\$51,625	\$206,500 (2014-2017)
Sunil Lakhani, Georgia Chenevix-Trench, Owen Ung, Kum Khanna, R Jeffree, Bob Green, Liz Kenny, Peter Simpson, Amy McCart Reed, Jody Saunus, F Al-Ejeh	Radiation Oncology	Support for the Brisbane Breast Bank. Expansion of the Brisbane Breast Bank: a prospective study developing biomarkers of response and recurrence	RBWH Foundation	\$100,000	\$200,000 (2014-2015)
Graeme Dickie	Radiation Oncology	QCOG Cancer Clinical Trial Data Manager Grant	Queensland Clinical Oncology Group	\$75,527	\$75,527 (2015)
Kumar Gogna, Catherine Bettington	Radiation Oncology	A single arm, prospective Phase II study of Split-Course Pelvic Radiotherapy for Locally Progressive, Castrate Resistant Prostate Cancer	RANZCR	\$6,250	\$25,000 (2014-2017)

Investigators ( <i>RBWH staff in bold</i> )	RBWH Research Groups/Departments	Project Title	Granting Body	Amount in 2015	Total Amount (years)
Catherine Bettington	Radiation Oncology	HREC/12/QRBW/129 A single arm prospective study of the effect of preoperative chemoradiotherapy on sexual dysfunction in men with locally advanced rectal cancer	RANZCR	\$2,000	<b>\$10,000</b> (2012-2016)
Steven Sylvander	Radiation Oncology	TruView – Ferrous–Xylenol Orange	Modus Inc	\$5,000	<b>\$5,000</b> (2014-2015)
Rob McDowall	Radiation Oncology	AstraZeneca travel grant – TROG 2015 ASM	AstraZeneca	\$1,400	<b>\$1,400</b> (2015)
Elise Button	Cancer Nursing Professorial Precinct	Clinical indicators that identify risk of deteriorating and death in people with a haematological malignancy	RBWH	\$25,000	<b>\$25,000</b> (2015)
Raymond Chan	Cancer Nursing Professorial Precinct	Development and evaluation of a tailored fatigue self-management behavioural intervention for patients with advanced cancer	NHMRC	\$38,824	<b>\$155,298</b> (2014-2017)
David McMillan, Claire Rickard, Paul Scuffham, Raymond Chan, Nahid Choudhury, Tricia Kleidon	Cancer Nursing Professorial Precinct and Alliance for Vascular Access Teaching and Research Group	Emergence of Chlorhexidine Tolerance in Bacteria associated with Catheter Related Infections	University of Sunshine Coast	\$5,000	<b>\$10,000</b> (2014-2015)
David McMillan, Claire Rickard, Paul Scuffham, Raymond Chan, Nahid Choudhury, Tricia Kleidon	Cancer Nursing Professorial Precinct and Alliance for Vascular Access Teaching and Research Group	CHEERS: the CHlorhexidine ReSistance Study	Griffith Health Institute Project	\$7,000	<b>\$14,000</b> (2014-2015)
Julie Flynn, Claire Rickard, Sam Keogh, Li Zhang	Alliance for Vascular Access Teaching and Research Group	Evaluating effective decontamination methods for needleless connectors: A pilot randomised control study	ACIPC	\$12,000	<b>\$12,000</b> (2015)
Julie Flynn	Alliance for Vascular Access Teaching and Research Group	Decontamination of central venous catheter needleless connectors	Griffith University	\$26,000	<b>\$78,000</b> (2015-2017)
Julie Flynn	Alliance for Vascular Access Teaching and Research Group	Decontamination of central venous catheter needleless connectors	Griffith University	\$5,000	<b>\$15,000</b> (2015-2017)
Nicole Gavin	Alliance for Vascular Access Teaching and Research Group	The saFety of pArenteral nutrition regarding miCrobial growth and vascular catheTer-related infection (The FACT Study)	American Society of Parenteral and Enteral Nutrition Rhoads Research Foundation	\$5,000	<b>\$5,000</b> (2015)
Nicole Gavin	Alliance for Vascular Access Teaching and Research Group	The saFety of pArenteral nutrition regarding miCrobial growth and vascular catheTer-related infection (The FACT Study)	RBWH	\$24,000	<b>\$24,000</b> (2015)
Nicole Gavin	Alliance for Vascular Access Teaching and Research Group	The saFety of pArenteral nutrition regarding miCrobial growth and vascular catheTer-related infection (The FACT Study)	NHMRC	\$32,000	<b>\$96,000</b> (2012-2015)
Samantha Keogh, Julie Flynn, Karen Davies, Catriona Booker and Claire Rickard	Alliance for Vascular Access Teaching and Research Group	The FLiP Study: Flushing in Peripheral Intravenous	Queensland Health	\$120,000	<b>\$120,000</b> (2015)
Samantha Keogh, Li Zhang, Julie Flynn	Alliance for Vascular Access Teaching and Research Group	Needless Connector decontamination: an in vitro study	NHMRC	\$13,000	<b>\$13,000</b> (2015)
Emily Larsen	Alliance for Vascular Access Teaching and Research Group	CAnceR caRE: riSk factors of vEnous access failuRe: The CAREtaKER Study (Observational)	RBWH Foundation	\$2,000	<b>\$2,000</b> (2015)



Investigators ( <i>RBWH staff in bold</i> )	RBWH Research Groups/Departments	Project Title	Granting Body	Amount in 2015	Total Amount (years)
Joan Webster, Nicole Marsh, Emily Larsen, Nahid Choudhury, Nicole Gavin, Catriona Booker	Alliance for Vascular Access Teaching and Research Group / Nursing and Midwifery Research Centre	Biopatch™ or Kendall™ AMD Foam Disc to reduce the incidence of Central-Line-Associated Blood Stream Infection: A randomized controlled trial (the CLABSI trial)	RBWH Foundation	\$20,000	\$39,152 (2015-2016)
Alex Markwell, Tegwen Howell, Carol Windsor	Department of Emergency Medicine	Describing the experiences of social workers in tertiary ED	QEMRF	\$15,000	\$15,000 (2015)
Louise Cullen, Jaimi Greenslade, William Parsonage, Adam Scott, Jacobus Ungerer, J Crilly	Department of Emergency Medicine	Examining translation of research into improved assessment for heart attack	QEMRF	\$69,395	\$69,395 (2015)
Louise Cullen in conjunction with Bond University (collaboration)	Department of Emergency Medicine	Centre for Research Excellence in Creating sustainable healthcare: ensuring new diagnostics avoid harms, improve outcomes, and direct resources wisely	NHMRC	\$2,497,000	\$2,497,000 (2015)
Jason Roberts, Jeffrey Lipman, SLP Peake, J Turnidge, Monica Slavin, P Hopkins, Jurgen Bulitta, Sanjoy Paul, Jan de Waele, Gavin Joynt	Intensive Care Services	Centre for REdefining antibiotic use to reDUce resistanCE and prolong the lives of antibiotics (REDUCE)	NHMRC	\$2,158,296	\$2,158,296 (2015)
Steve Webb, Jeff Presneill	Intensive Care Services	Optimisation by Platform Trial Involving Multiple Interventions with Simultaneous Evaluation in Community Acquired Pneumonia (OPTIMISE-CAP)	NHMRC	\$4,413,145	\$4,413,145 (2015)
Christopher Reid, Henry Krum, Louise Cullen, Danny Liew, Andrew Tonkin, Derek Chew, J Smith, S Duffy, A Patel, T Briffa	Intensive Care Services / Department of Emergency Medicine	Centre for Research Excellence in Cardiovascular Outcomes Improvement	NHMRC	\$2,500,000	\$2,500,000 (2015)
Os Cotta, Jason Roberts, Jeff Presneill	Intensive Care Services	Levetiracetam pharmacokinetics in critically ill patients with severe traumatic brain injury and subarachnoid haemorrhage	Intensive Care Foundation	\$31,818	\$31,818 (2015)
Jason Roberts, Os Cotta, Robert Boots	Intensive Care Services	Optimising ceftriaxone dosing for critically ill patients with severe pneumonia	RBWH Foundation	\$40,000	\$40,000 (2015)
Os Cotta, Lindy Jeffree, Jason Roberts	Intensive Care Services	Levetiracetam pharmacokinetics in critically ill patients with severe traumatic brain injury and subarachnoid haemorrhage	RBWH Foundation	\$40,000	\$40,000 (2015)
Judith Bellapart, Robert Boots, Michael Reade, John Fraser	Intensive Care Services	Assessment of cerebral microcirculation after severe head injury when exposed to acute anaemia	RBWH Foundation	\$39,140	\$39,140 (2015)
Robert Boots	Intensive Care Services	Acute Severe and Life Threatening Asthma: A clinical Audit of Current Intensive Care Practices in QLD Hospitals	RBWH Foundation	\$7,000	\$7,000 (2015)
Kerina Denny, Jeremy Cohen, David Paterson, Jeffrey Lipman, David Evans, Joel Dulhunty, Jacobus Ungerer, Brett McWhinney	Intensive Care Services	A Biomarker for Sepsis to Thwart Antibiotic Overuse in the Intensive Care Unit	RBWH Foundation	\$20,000	\$20,000 (2015)
Andre van Zundert, Julie Lee, Jurgen Frupp, A Groundwater	Intensive Care Services	Difficult intubation: defining predictive radiological parameters. DeCIPHER Trial (Difficult Intubation PrEdictive Radiology)	ANZCA	\$40,000	\$40,000 (2015)

Investigators (RBWH staff in bold)	RBWH Research Groups/Departments	Project Title	Granting Body	Amount in 2015	Total Amount (years)
Julie Lee, Victoria Eley, Andre van Zundert, Rebecca Kimble, John Rowell	Intensive Care Services	ROTEM® Platelet in pre-eclamptic obstetric patients: A prospective observational study on labour ward inpatients (RPM)	ANZCA	\$52,913	\$52,913 (2015)
Daniel Bodnar	Intensive Care Services	Queensland pre-hospital study identifying which trauma patients are at risk of bleeding to death	QEMRF	\$64,000	\$64,000 (2015)
Louise Cullen	Intensive Care Services	The Cannulation Rates in ED Intervention Trial	QEMRF	\$80,000	\$80,000 (2015)
Louise Cullen	Intensive Care Services	RBWH Capacity Building	QEMRF	\$140,000	\$140,000 (2015)
Jason Roberts	Intensive Care Services	A preliminary investigation of the pharmacokinetics and pharmacodynamics of amikacin/ fosfomycin combination against Acinetobacter baumannii using a dynamic in vitro hollow-fiber infection model	Cardeas Pharma	\$257,512	\$257,512 (2015)
Gladness Nethathe	Intensive Care Services	Aspects of the neuroendocrine stress response in patients with severe sepsis and multi-trauma	Discovery Foundation Award / National Research Foundation of South Africa	\$23,235	\$23,235 (2015)
Matthew Hope, Lizanne Dalglish, Cienwen Town	Intensive Care Services	Traumatic Brain Injury and Subarachnoid Haemorrhage: Their Relationship with Optic Nerve Sheath Diameter	RBWH Foundation	\$40,000	\$40,000 (2015)
Kerina Denny	Intensive Care Services	Doctor in Training Research Scholarship (Grant-in-aid)	AVANT	\$15,000	\$15,000 (2015)
E Heil, A Farkas, J Johnson, David Nicolau, Jason Roberts, K Thom	Intensive Care Services	Clinical Validation of an Antibiotic Dosing Calculator in Critically Ill Patients	Society of Infectious Disease Pharmacists	\$12,000	\$12,000 (2015)
Matthew Jensen, Louise Cullen, Jaimi Greenslade, Julian Williams, Claire Rickard, Paul Scuffham	Intensive Care Services	Observational Cannulation Rates in ED Intervention Trial (CREDIT)	RBWH Foundation	\$21,546	\$21,546 (2015)
Kylie Baker, Louise Cullen, John Fraser, Andreas Shibler, Kelly Foster, Sara Diab	Intensive Care Services	The Breathe Easy Early Study (BEES)	QEMRF	\$159,173	\$159,173 (2015)
Kylie Baker, Louise Cullen, John Fraser, Andreas Shibler, Kelly Foster, Sara Diab	Intensive Care Services	The Breathe Easy Early Study (BEES)	Ipswich Foundation	\$9,609	\$9,609 (2015)
Madeline Keenan, Louise Cullen, O Nchafatso, John Fraser	Intensive Care Services	Cardiovascular Haemodynamics in an ovine model of brain stem death	TPCH Foundation	\$9,609	\$9,609 (2015)
Kris Kamusinski	Skin Integrity Services	RBWH Photography and Wound Monitoring	SEED Grant	Undisclosed	Undisclosed
Kerlyn Carville	Skin Integrity Services	Pressure Injury Research Scoping Project	AWMA	Undisclosed	Undisclosed
Alexandra McCarthy, Fiona Coyer, Karen Theobald, Robyn Fox, Amanda Henderson, Ramon Shaban, Bernadette Thompson	ICNPU / Education	Academic-industry integration in health: Enhancing postgraduate professional learning	Office of Learning and Teaching	\$39,878	\$39,878 (2015)
Fiona Coyer, Jill Campbell, Amanda Vann, Greg McNamara, Jane- Louise Cook	Intensive Care Services	Translating evidenced-based pressure injury prevention into the intensive care environment; the SUSTAIN study	Queensland Health	\$59,795	\$119,589 (2014-2015)

Investigators ( <i>RBWH staff in bold</i> )	RBWH Research Groups/Departments	Project Title	Granting Body	Amount in 2015	Total Amount (years)
Fiona Coyer, Peter Slattery, Peter Thomas, Mohsina Khahtun, Chris Edwards, Jessica Ingleman	Intensive Care Services / Biomedical Engineering / Physiotherapy	Extreme pressure study: exploring pressures, tissue reperfusion and body positioning – a pilot evaluation among critically ill patients	RBWH Foundation	\$25,000	\$50,000 (2014-2015)
Jennifer Paratz, Robert Boots, Geoff Mitchell, Tracy Comans, Fiona Coyer, Peter Thomas	Intensive Care Services / Physiotherapy	Improving outcome in sepsis	Queensland Health	\$91,000	\$182,000 (2014-2015)
Anne Gardner, Glenn Gardner, Fiona Coyer, Amanda Henderson, Helen Gosby	Intensive Care Services	Educating for health service reform: clinical learning, governance, and capability	ARC Discovery	\$97,000	\$291,000 (2013-2015)
Mary Courtney, Jo Wu, Steven McPhail, John Atherton	Cardiology	The Cardiac / Diabetes TRANS-CARE Program	Australian Catholic University	\$112,500	\$450,000 (2014-2017)
Shyuan Ngo	Motor Neurone Disease Research	The Scott Sullivan Research Fellowship	RBWH Foundation	\$50,000	\$116,666 (2015-2018)
Peter Noakes	Motor Neurone Disease Research	The role of altered neuronal activity and mRNA transport in modifying the progression of Motor Neuron Disease (MND).	RBWH Foundation	\$40,000	\$40,000 (2015)
Rohan Grimley, Ingrid Rosbergen, Suzanne Kuys, Louise Gustafsson, Eleanor Horton, Benjamin Chen, Theresa Green, Greg Cadigan	Intensive Care Medicine / Neurology	Building efficient and equitable pathways to and through rehabilitation in stroke	Queensland Health	\$80,000	\$320,000 (2015-2018)
Alison Mudge, Merrilyn Banks, Adrian Barnett, Irene Blackberry, Ann Chang, Nick Graves, Ruth Hubbard, Sharon Inouye, Sue Kurrle, Kwan Lim, Prue McRae, Nancy Peel, Adrienne Young, Jessica Suna, Theresa Green, Kwang Lim	Internal Medicine Research Unit / Nutrition and Dietetics	CHERISH: Collaborative for Hospitalised Elders: Reducing the Impact of Stays in Hospital	Queensland Health / AusHSI	\$400,000	\$1,600,000 (2014-2017)
Paul Thomas, Roger Allison, Graeme Dickie	Nuclear Medicine / Radiation Oncology	A Pilot Project on the impact of PSMA PET on radiotherapy planning in high risk prostate cancer	RBWH	\$40,000	\$40,000 (2014-2015)
Julie McGaughran	Genetic Health Queensland	The Inherited Cancer Connect (Iccon) Partnership: Chief Investigator (16)	Cancer Council of NSW	\$327,461	\$1,964,769 (2013-2018)
Andrew Mallett, Julie McGaughran, Chirag Patel, Helen Healy	Genetic Health Queensland / Kidney Health Service	Next Generation Sequencing and induced pluripotent stem cell applications in inheritable forms of renal disease	RBWH Foundation	\$50,000	\$50,000 (2015)
Andrew Mallett, Julie McGaughran, Chirag Patel, Helen Healy	Genetic Health Queensland / Kidney Health Service	Next Generation Sequencing and induced pluripotent stem cell applications in inheritable forms of renal disease	Pathology Queensland	\$50,000	\$50,000 (2015)
Carol Douglas, Cheryl Blaber, Alison Mudge, EOLC committee	Internal Medicine Research Unit / Palliative Care Unit	Point prevalence survey of end of life predictors and care in a major tertiary hospital	MNHHS	\$66,000	\$66,000 (2014-2015)
Alison Mudge, Prue McRae, P Bew, D Leahy, B Gill, S Smith	Internal Medicine Research unit	Moving Brighton Forward	MNHHS	\$5,000	\$82,450
Vanessa Murphy, Peter Gibson, Michael Hensley, Joerg Mattes, Warwick Giles, M Peek, A Bisits, Leonie Callaway, K McCaffery, Helen Barrett	Obstetric Medicine	The Breathing for Life Trial	NHMRC	\$329,581	\$1,647,905 (2014-2018)



Investigators ( <i>RBWH staff in bold</i> )	RBWH Research Groups/Departments	Project Title	Granting Body	Amount in 2015	Total Amount (years)
Leonie Callaway, Marloes Dekker Nitert, M Morrison, Helen Barrett, Luisa Gomez Arango	Obstetric Medicine	How important is a mother's touch? The relationship between the microbiomes of mothers and babies.	RBWH	\$40,000	<b>\$40,000</b> (2015)
Karin Lust, Leonie Callaway, Kristine Matusiak, Marloes Dekker Nitert, Helen Barrett	Obstetric Medicine	Periconception weight loss and the epigenetic regulation of stress and growth in the infant.	RBWH	\$40,000	<b>\$40,000</b> (2015)
Kerry Richard, Helen Barrett, Michael D'Emden	Obstetric Medicine	Sex hormone binding globulin regulates uptake and intracellular metabolism of testosterone in prostate cancer cells.	RBWH Foundation	\$42,500	<b>\$42,500</b> (2015)
Helen Barrett, Leonie Callaway, Marloes Dekker Nitert	Obstetric Medicine	Metabolic toxins and Placental Function.	RBWH Foundation	\$45,250	<b>\$45,250</b> (2015)
Helen Robinson, Leonie Callaway, Marloes Dekker Nitert, Helen Barrett, Susan de Jersey	Obstetric Medicine	Study of the ketone production after a carbohydrate restricted meal in women with GDM.	RBWH Foundation	\$40,000	<b>\$40,000</b> (2015)
Ian Coombes, Peter Donovan, Michael Barras, Charles Mitchel, Brooke Myers, Christy Noble, Trudy Teasdale, Linda Stockwell	Pharmacy / Clinical Pharmacology / Internal Medicine and Aged Care	Improving Intern Medical Officer Prescribing through an Intervention of Self-Assessment and Feedback.	RBWH Foundation	\$40,000	<b>\$40,000</b> (2015)
Carol Douglas, Cheryl Blaber, Xanthe Sansome, Alison Mudge	Palliative and Supportive Care Service	End of Life Point Prevalence Survey.	MNHHS	\$66,000	<b>\$66,000</b> (2015)
Ann Bonner, Clint Douglas	Kidney Health Service	Integrated Chronic Disease Nurse Practitioner Model of Care.	Chief Nursing and Midwifery Office	\$86,000	<b>\$86,000</b> (2015)
Ann Bonner, Shirley Connell, Patsy Yates, Helen Healy, Wendy Hoy, Geoffrey Mitchell	Kidney Health Service	Achieving needs-based end-of-life services: a prospective, longitudinal study of pathways for patients with stage 3-5 chronic kidney disease (CKD).	NHMRC	\$15,000	<b>\$30,000</b> (2014-2015)
Helen Healy, Andrew Kassianos, Ray Wilkinson	Kidney Health Service	Characterisation of the role of T and B lymphocyte subsets in kidney transplant rejection.	RBWH Foundation	\$40,000	<b>\$40,000</b> (2015)
Wendy Hoy, Helen Healy, Luke Connelly, Geoffrey Mitchell, Kate Panaretto, Zoltan Endre, Jeffrey Coombes, Glenda Gobe, Ann Bonner, Robert Fassett	Kidney Health Service / Centre for Palliative Care Research and Education	NHMRC Centre of Research Excellence in Chronic Kidney Disease.	NHMRC	\$499,396	<b>\$2,496,981</b> (2015-2019)
Andrew Kassianos, Helen Healy, Ray Wilkinson	Kidney Health Service	An in vitro investigation of proximal tubular epithelial cell (PTEC)-lymphocyte cross-talk in human chronic kidney disease.	RBWH	\$40,000	<b>\$40,000</b> (2015)
Andrew Mallett, Helen Healy, Chirag Patel, Julie McGaughan, Cas Simons, Melissa Little	Kidney Health Service, Genetic Health Queensland	Functional Genomics in Inherited Kidney Disease.	RBWH Foundation	\$50,000	<b>\$140,000</b> (2014-2016)
Andrew Mallett, Ryan Taft, Julie McGaughan, Earnst Wolvetang, Melissa Little, Wendy Hoy, Val Hyland, Helen Healy, Cas Simmons, David Johnson, Keshwar Baboolal, George John, Carmel Hawley, Steven McTaggart, Michael Gabbett, Chirag Patel	Kidney Health Service, Genetic Health Queensland	Next generation sequencing and induced pluripotent stem cell applications in genetic and inheritable forms of renal disease.	Pathology Queensland	\$25,000	<b>\$50,000</b> (2014-2015)

Investigators ( <i>RBWH staff in bold</i> )	RBWH Research Groups/Departments	Project Title	Granting Body	Amount in 2015	Total Amount (years)
David McIntyre, Anne Bonner	Kidney Health Service	How frequent is frequent? Monitoring for intradialytic hypotension.	Renal Society of Australasia	\$3,000	\$3,000 (2015)
Patsy Yates, Geoffrey Mitchell, David Currow, Kathy Eagar, Helen Edwards, Glenn Gardner, Lindy Willmott, Ann Bonner, Robyn Clark, Jennifer Tieman	Kidney Health Service / Centre for Palliative Care Research and Education	Centre of Research, Excellence in End of Life Care.	NHMRC	\$664,698	\$2,495,543 (2014-2017)
Richard Skoien, Grant Ramm, Paul Clark, Anna Weis	Liver Unit / Gastroenterology and Hepatology	Developing a novel blood test to improve the early diagnosis of liver cancer.	Cromwell Property Trust Foundation	\$50,000	\$50,000 (2015-2016)
Richard Skoien, Olivia Cullen, Katerina Liew, Mary Fenech, Karen Beckman, Deborah McIntyre	Liver Unit / Gastroenterology and Hepatology	The Hepatoma and Compensated Cirrhotic Follow-up (HACC-FOL) model – a prospective assessment of cost-effectiveness and efficiency.	SEED Initiative	\$35,000	\$35,000 (2015)
Vicki Whitehall, Barbara Leggett	Gastroenterology and Hepatology	KRAS- and BRAF-Mediated Methylation Signatures in Colorectal Cancers and Polyps.	NHMRC	\$141,878	\$425,636 (2013-2015)
Vicki Whitehall, Barbara Leggett, Mark Bettington	Gastroenterology and Hepatology	Wnt and MAPK Signalling in the Determination of Colorectal Neoplasia Pathway.	NHMRC	\$127,815	\$383,447 (2014-2016)
Jolieke Van der Pols, Barbara Leggett, C Bain, David Hewett, Vicki Whitehall	Gastroenterology and Hepatology	Risk factors for Sessile Serrated Adenoma.	Cancer Council Queensland	\$100,000	\$200,000 (2014-2015)
Vicki Whitehall, Barbara Leggett, Mark Bettington, Grant Montgomery, Leesa Wockner	Gastroenterology and Hepatology	DNA Methylation Events that Underlie Progression of Traditional Serrated Adenomas to Colorectal Cancer.	Rio Tinto Ride to Conquer Cancer and Weekend to End Women's Cancer Research Grant	\$45,000	\$45,000 (2015)
Barbara Leggett, Vicki Whitehall	Gastroenterology and Hepatology	APC Mutation as a Mechanism of Wnt Pathway Activation in Serrated Colorectal Polyps and Cancers.	RBWH Foundation	\$40,000	\$40,000 (2015)
Helen Mar Fan, Vicki Whitehall, Rachel Susman, Barbara Leggett	Genetic Health Queensland / Gastroenterology and Hepatology	Identification of the Gene Causing Hereditary Flat Adenoma Syndrome.	RBWH Foundation	\$31,800	\$31,800 (2015)
Mark Appleyard, Finlay Macrae	Gastroenterology and Hepatology	The effects of butyrylated high amylose maize starch (Starplus B) on polyposis in familial adenomatous polyposis patients.	Queensland Cancer Council	\$75,000	\$200,000 (2014-2017)
Mark Appleyard, Graham Radford-Smith	Gastroenterology and Hepatology	Optimizing Gastrointestinal (GI) cancer screening in Queensland: the application of clinical, genetic and faecal biomarkers to improve the early detection of GI cancers.	RBWH Foundation	\$40,000	\$40,000 (2015)
Graham Radford-Smith, Grant Montgomery	Gastroenterology and Hepatology	Practical clinical tools for the management of Crohn's Disease.	RBWH	\$40,000	\$40,000 (2015)
Matthew Brown, Graham Radford-Smith	Gastroenterology and Hepatology	The gut microbiome in ankylosing spondylitis and Crohn's Disease.	NHMRC	\$55,692	\$100,394 (2014-2015)
James McCarthy	Infectious Diseases	Biomarkers for Malaria Elimination (BIOME).	PATH Malaria Vaccine Initiative	\$750,000	Undisclosed
James McCarthy	Infectious Diseases	Blood Stage Challenge Study to Assess Mosquito Transmissibility in Participants Inoculated with <i>P. falciparum</i> .	Medicines for Malaria Venture	\$159,345	Undisclosed

Investigators ( <i>RBWH staff in bold</i> )	RBWH Research Groups/Departments	Project Title	Granting Body	Amount in 2015	Total Amount (years)
James McCarthy	Infectious Diseases	A phase 1b study to characterize the antimalarial and transmission blocking activity of a single dose of DSM265 or OZ439 in healthy subjects with induced blood stage <i>P. falciparum</i> or <i>P. vivax</i> infection.	Medicines for Malaria Venture	\$142,182	Undisclosed
James McCarthy	Infectious Diseases	A phase 1 interventional, sequential, single site study to characterize the effectiveness of oral KAE609 in reducing asexual and sexual blood stage <i>P. falciparum</i> following inoculum in healthy volunteers and subsequent infectivity to mosquitoes.	Medicines for Malaria Venture	\$229,696	Undisclosed
James McCarthy	Infectious Diseases	Blood Stage Challenge Study to Assess Mosquito Transmissibility in Participants Inoculated with <i>Plasmodium Vivax</i> Isolate HMPBS-Pv.	Medicines for Malaria Venture	\$689,225	Undisclosed
James McCarthy	Infectious Diseases	Support of Clinical Trial Infrastructure.	Bill and Melinda Gates Foundation	\$10,000,000	Undisclosed (2014-2018)
Kana Appadurai, Marcus Meinzer	Geriatric and Rehabilitation Service	Transcranial direct current stimulation to improve cognition and learning in prodromal Alzheimer's disease.	RBWH Foundation	\$21,000	\$21,000 (2015)
Kana Appadurai, Marcus Meinzer	Geriatric and Rehabilitation Service	Transcranial direct current stimulation to improve cognition and learning in prodromal Alzheimer's disease.	RBWH	\$10,000	\$10,000 (2015)
Nicole Waters, Alan Coulthard	Medical Imaging	Silent Strokes Study: Prospective study of clinically silent ischaemic events post-elective endovascular treatment of intracranial aneurysms.	RANZCR	\$26,680	\$26,680 (2015-2018)
Nicole Waters, Alan Coulthard	Medical Imaging	VerifyNow Variation Study.	RANZCR	\$5,234	\$5,234 (2015)
Nicole Waters, Jeff Hocking, Alan Coulthard	Medical Imaging	High Field Hippocampal MRI Study.	RBWH Foundation	\$22,817	\$22,817 (2015-2019)
Patsy Yates, Geoffrey Mitchell, David Currow, Kathy Eagar, Helen Edwards, Glenn Gardner, Lindy Willmott, Ann Bonner, Robyn Clark, Jennifer Tieman	Centre for Palliative Care Research and Education	NHMRC Centre for Research Excellence in End of Life Care.	NHMRC	\$744,257	\$2,495,543 (2013-2018)
Respecting Patient Choices, Palliative Care Australia, CareSearch, UQ, QUT, Australian and New Zealand Society of Palliative Medicine, Leading Age Services Australia, Aged and Community Services Australia	Centre for Palliative Care Research and Education	National Advisory Service for Palliative Care and Advance Care Planning.	Australian Government Department of Health	\$1,088,606	\$2,846,450 (2013-2015)
Alexander Broom, Jonathan Adams, Patsy Yates, Emma Kirby, Phillip Good, Julia Wootton, Janet Hardy	Centre for Palliative Care Research and Education	Pathways to and through palliative care: a sociological study of patient, carer and clinical experiences at the end-of-life.	ARC	\$64,299	\$164,830 (2012-2015)
Patsy Yates, Robert Carter	Centre for Palliative Care Research and Education	A Pilot Study to assess the feasibility of an Integrated Survivorship Intervention to improve Patient and Service Level Outcomes for Men with Prostate Cancer.	The Movember Group – TrueNTH	\$487,315	\$1,155,912 (2014-2018)



Investigators ( <i>RBWH staff in bold</i> )	RBWH Research Groups/Departments	Project Title	Granting Body	Amount in 2015	Total Amount (years)
Alexander Broom, Emma Kirby, Patsy Yates, Clive Seale, John Oliffe	Centre for Palliative Care Research and Education	The changing landscapes of survivorship: A sociological study of life with cancer.	ARC	\$119,900	\$359,700 (2015-2017)
Patsy Yates	Centre for Palliative Care Research and Education	Palliative Care Education and Training Collaborative (PEPA and PCC4U).	Australian Government Department of Health	Undisclosed	Undisclosed (2015-2017)
Kathy Eagar, David Currow, Patsy Yates, Clare Johnson	Centre for Palliative Care Research and Education	Palliative Care Outcomes Collaboration (PCOC).	Australian Government Department of Health	Undisclosed	Undisclosed (2015-2017)
Janet Hardy, Odette Spruyt, Phillip Good, Patsy Yates, N Oliveira, Alex Broom, Tanya Holt, Helen Skerman	Centre for Palliative Care Research and Education	The symptom burden of advanced castrate-resistant prostate cancer – a pilot study.	Mater Foundation	\$2,372	\$9,487 (2013-2016)
Janet Hardy, Chris McKeon, Angela Tapuni	Centre for Palliative Care Research and Education	An open label trial of Vitamin C as an opioid sparer in patients with chronic pain secondary to cancer.	Mater Foundation	\$2,052	\$8,210 (2012-2015)
Phillip Good, S Heng, Janet Hardy	Centre for Palliative Care Research and Education	CADET – The CADET Study: CAncer DEXamethasone Trial.	Mater Medical Research Institute	\$4,000	\$12,000 (2014-2016)
Sudeep Raj Bista, Alison Haywood, R Norris, Janet Hardy, Angela Tapuni, M Lobb	Centre for Palliative Care Research and Education	Adhesion of fentanyl patches in adult patients.	Mater Medical Research Institute	\$667	\$2,000 (2013-2015)
Sudeep Raj Bista, Janet Hardy, Phillip Good, R Norris, Angela Tapuni, Alison Haywood, T Hall, M Lobb	Centre for Palliative Care Research and Education	Adhesion of fentanyl patches in adult patients.	Mater Medical Research Institute	\$1,333	\$4,000 (2013-2015)
Meera Agar, Janet Hardy, Angela O'Shea	Centre for Palliative Care Research and Education	Randomised control trial of oral risperidone versus oral haloperidol versus oral placebo with rescue subcutaneous midazolam in the management of delirium in palliative care inpatients.	Department of Health and Ageing	Undisclosed	\$158,464
Janet Hardy, Jeffrey Craig, Angela O'Shea, Simon Bowler	Centre for Palliative Care Research and Education	A pilot study to assess sleep apnoea in patients taking opioids.	Mater Foundation Palliative Care Research Fund, Queensland Sleep Disorder Clinic	Undisclosed	Undisclosed
Janet Hardy, Joanna Jones, David Munster, Catherine Shannon	Centre for Palliative Care Research and Education	Pilot study of intraperitoneal Bevacizumab for the palliation of malignant ascities.	Mater Foundation Palliative Care Research Fund	Undisclosed	Undisclosed
David Currow, Amy Abernethy, T Davidson, Janet Hardy, Meera Agar, K Clark	Centre for Palliative Care Research and Education	A randomised, double-blind, multi-site, parallel arm controlled trial to assess relief of refractory breathlessness comparing fixed doses of morphine and placebo.	Department of Health and Ageing	Undisclosed	Undisclosed
Janet Hardy, Korana Kindl, Angela Tapuni, N Kingi, Phillip Good, Sanjay Prasad	Centre for Palliative Care Research and Education	The prevalence of QTc prolongation in patients with cancer.	Mater Health Services	Undisclosed	Undisclosed
Phillip Good, Janet Hardy	Centre for Palliative Care Research and Education	A feasibility study for the addition of parenteral dexamethasone to concurrent opioid therapy in patients with cancer related pain.	Mater Health Services	Undisclosed	Undisclosed
Petra Vayne-Bossert, Janet Hardy, Phillip Good, Russell Richard, C Flately, D Jones	Centre for Palliative Care Research and Education	Integration of oncology and palliative care: Maters' Cancer Care Services as the benchmark.	Mater Health Services	Undisclosed	Undisclosed

Investigators ( <i>RBWH staff in bold</i> )	RBWH Research Groups/Departments	Project Title	Granting Body	Amount in 2015	Total Amount (years)
Phillip Good, Janet Hardy, R Norris, Angela Tapuni, Alison Haywood, S Khan, S Hennig, J Duley	Centre for Palliative Care Research and Education	Optimising the use of methadone for cancer related pain.	Mater Medical Research Institute	\$3,333	<b>\$10,000</b> (2013-2015)
S Khan, Alison Haywood, R Norris, Janet Hardy, Phillip Good, B Charles, S Hennig, J Duley, J Martin, Angela Tapuni, R George, R Movva	Centre for Palliative Care Research and Education	Optimising pain management with methadone in patients with cancer.	Griffith Health Institute	\$2,500	<b>\$7,500</b> (2014-2016)
Michael Breakspear	Mental Health Systems Neuroscience	Prospective Imaging Study of Ageing: Genes, Brain and Behaviour.	NHMRC	\$1,077,509	<b>\$6,465,047</b> (2015-2020)
Michael Breakspear	Mental Health Systems Neuroscience	Using advanced brain imaging to guide the surgical treatment of refractory epilepsy.	QIMR Berghofer Clinician Research Collaboration Award	\$9,333	<b>\$28,000</b> (2015-2017)
Michael Breakspear	Mental Health Systems Neuroscience	Improving brain function in healthy and stroke populations by non-invasive brain stimulation.	QED Alliance- QIMR Berghofer, Emory, UQ	\$68,201	<b>\$204,604</b> (2015-2017)
Michael Berk, John McGrath, Olivia Dean, W Lapau, Shane Dodds, James Scott, Frances Dark	Mental Health	The efficacy of adjunctive <i>Garcinia mangostana</i> Linn (mangosteen) pericarp for the treatment of Schizophrenia: A double-blind, randomized, placebo controlled trial.	Stanley Medical Research Institute	\$297,009	<b>\$1,188,037</b> (2015-2018)
Ed Heffernan, Kimina Andersen, Andy Aboud, Angela Scotney, Stuart Kinner	Forensic Mental Health Service	Family Business – Improving the understanding and treatment of PTSD among incarcerated Aboriginal and Torres Strait Islander women.	Beyond Blue	\$75,000	<b>\$255,000</b>
Fiona Davidson, Tony Butler, Ed Heffernan, David Greenberg	Centre for Research Excellence in Offender Health	Australian Mental Health Court Liaison Services, variation and common ground: performance measurement and evaluation.	NHMRC	\$30,000	<b>\$90,000</b> (2014-2017)
Ed Heffernan, Bobbie Clugston, Elissa Waterson, Fiona Davidson	Forensic Mental Health Service	Police Communications Centre – Mental Health Liaison Service Evaluation.	Queensland Mental Health Commission	\$75,500	<b>\$151,051</b>
Carmel Fleming	Collaborative for Allied Health Research, Learning and Innovation MNHHS	Family LINK-ED.	CAHRLI	\$10,255	<b>\$10,255</b> (2015)
David Belavy, Andre Van Zundert, Niall Higgins	Anaesthesia and Peri- Operative Care / Metro North Mental Health	A trial of a vessel finder vs standard technique for peripheral placement of intravenous catheters.	UQ	\$20,000	<b>\$20,000</b> (2014-2016)
David Belavy, Andre van Zundert, Niall Higgins	Anaesthesia and Peri- Operative Care / Metro North Mental Health	A trial of a vessel finder vs standard technique for peripheral placement of intravenous catheters.	RBWH	\$37,311	<b>\$37,311</b> (2014-2016)
Sue Patterson, Ray Chan, James Scott, John McGrath	Metro North Mental Health, Cancer Care	Recruitment to trials in cancer care and mental health: Comparative case studies.	RBWH	\$40,000	<b>\$40,000</b> (2015)
Brigid Gillespie, Wendy Chaboyer, Joan Webster, David Elwood, Jennifer Whitty, Lukman Thalib, Nicky Cullum	Nursing and Midwifery Research Centre	Adding negative pRESSure to improve healing (the DRESSING trial).	NHMRC	\$400,000	<b>\$2,285,351</b> (2015-2018)
David Paterson, Claire Rickard, David McMillan, Nahid Choudhury, Nicole Gavin, S Banu, Joan Webster	Nursing and Midwifery Research Centre	emeRgence of Antibacterial resistanCe associated with the use of antimicrobial impregnated drEssings (the RACE Study).	RBWH Foundation	\$20,000	<b>\$40,000</b> (2015-2016)
Wendy Chaboyer, Claire Rickard, Leanne Aitken, Joan Webster	Nursing and Midwifery Research Centre	NHMRC Centre for Research Excellence in Nursing Interventions for Hospitalised Patients	NHMRC	\$500,000	<b>\$2,499,380</b> (2011-2015)

Investigators ( <i>RBWH staff in bold</i> )	RBWH Research Groups/Departments	Project Title	Granting Body	Amount in 2015	Total Amount (years)
Claire Rickard, Joan Webster, Raymond Chan, Peter Mollee, Geoffrey Playford, Li Zhang, Andrew Hallahan, Evan Alexandrou.	Nursing and Midwifery Research Centre	Peripherally InSerted CEntral catheter Securement: the PISCES Trial.	NHMRC	\$300,000	\$1,198,006 (2015-2017)
Nahid Choudhury, Joan Webster, Claire Rickard.	Nursing and Midwifery Research Centre	Does adding Biopatch to central line dressings reduce the incidence of catheter related bacteraemia?	Griffith Health Institute	\$12,000	\$12,000 (2015)
Nancy Moureau, Nicole Marsh, Li Zhang, Marie Cooke, Claire Rickard	Nursing and Midwifery Research Centre	Evaluation of Skin Colonisation and Placement of Catheter Exit sites Study (ESCAPE Study)	Entrotech Life Sciences	\$67,560	\$67,560 (2015)
Nancy Moureau, Nicole Marsh, Li Zhang, Marie Cooke, Claire Rickard	Nursing and Midwifery Research Centre	Evaluation of Skin Colonisation and Placement of Catheter Exit sites Study (ESCAPE Study).	Teleflex	\$4,000	\$4,000 (2015)
Samantha Keogh, Marie Cooke, Marianne Wallis, Andre van Zundert, Claire Rickard, Paul Scuffham, Li Zhang, Andrew Bulmer	Anaesthesia and Perioperative Medicine / Intensive Care Services	Development and implementation of best flushing practice to optimise peripheral intravascular catheter patency.	Becton Dickinson	\$183,000	\$183,000 (2015)
Julie Lee, Victoria Eley, Andre van Zundert, Rebecca Kimble, John Rowell	Anaesthesia and Perioperative Medicine / Intensive Care Services	ROTEM® thromboelastometry in obstetrics: baseline parameters in normal and complicated pregnancies. A prospective observational study on labour ward inpatients.	Pathology Queensland	\$33,310	\$33,310 (2015)
Julie Lee, Victoria Eley, Andre van Zundert, John Rowell	Anaesthesia and Perioperative Medicine	ROTEM® thromboelastometry in obstetrics: baseline parameters in normal and complicated pregnancies. A prospective observational study on elective Caesarean patients.	UQ	\$33,310	\$33,310 (2015)
Victoria Eley, Adrian Chin, Renuka Sekar, Andre van Zundert	Anaesthesia and Perioperative Medicine	Does subcutaneous fat measured at 18-20 weeks predict difficulty inserting an epidural or adverse pregnancy outcomes?	UQ	\$23,000	\$46,000 (2015-2016)
Andre van Zundert	Anaesthesia and Perioperative Medicine	Centre of Excellence and Innovation in Anaesthesia.	Queensland Health	\$150,000	\$150,000 (2015)
Andre van Zundert	Anaesthesia and Perioperative Medicine	Centre of Excellence and Innovation in Anaesthesia.	Victoria University	\$150,000	\$150,000 (2015)
Andre van Zundert, David Belavy, Niall Higgins	Anaesthesia and Perioperative Medicine	NIRVANA Study.	UQ	\$20,000	\$20,000 (2015)
Claire Rickard, Nicole Marsh, Joan Webster, Geoffrey Playford, Heather Reynolds et al	Anaesthesia and Perioperative Medicine	The SAVE Trial (Securing All Intravenous Devices Effectively in hospitals).	NHMRC	\$236,200	\$944,798 (2013-2016)
Kersi Taraporewalla, Penelope Sanderson, Marcus Watson, Heather Reynolds, Andre van Zundert	Anaesthesia and Perioperative Medicine / Intensive Care Services	Auditory display of respiratory status of anaesthetised patients: Longitudinal study of varied cases.	RBWH Foundation	\$40,000	\$40,000 (2015)
H Hope, Lizanne Dalglish, Cienwen Town	Anaesthesia and Perioperative Medicine	Optic Nerve Sheath Study to Measure Intracranial Pressure (ICP).	RBWH Foundation	\$40,000	\$40,000 (2015)
Martin Batstone, Nicolas Beech	Oral and Maxillofacial Surgery Unit	Pre-radiotherapy dental extractions, Osteoradionecrosis and Quality of Life.	ANZAOMS	\$5,000	\$5,000 (2015)
Martin Batstone, Maarten Van Genechten	Oral and Maxillofacial Surgery Unit	Pedicle stability following free flap reconstruction.	ANZAOMS	\$5,000	\$10,000 (2014-2015)
Martin Batstone, Camille Farah	Oral and Maxillofacial Surgery Unit	Collaborator with Dr Camille Farah.	Queensland Government	\$50,000	\$150,000
Martin Batstone, Michael Hurrell	Oral and Maxillofacial Surgery Unit	The effects of treatment timing on the outcomes of facial fractures.	UQ	Undisclosed	Undisclosed



Investigators ( <i>RBWH staff in bold</i> )	RBWH Research Groups/Departments	Project Title	Granting Body	Amount in 2015	Total Amount (years)
Anders Cervin, Seweryn Bialasiewicz	Otolaryngology Head and Neck Surgery	Microbiota of the Human Sinuses. It's role in health and disease.	The Garnett Passe and Rodney Williams Memorial Foundation Conjoint Grant	\$125,000	Undisclosed
Vikram Iyer, Jon Golledge, Erik Biros	Vascular	Coding and non-coding circulating RNAs associated with the presence and rapid expansion of abdominal aortic aneurysms.	TPCH Foundation	\$61,185	\$61,185 (2015)
Jon Golledge, Jason Jenkins, Paul Norman, Anna Ahimastos, Ronald Dalman, Robert Fitridge	Vascular	Telmisartan in the Management of Abdominal Aortic Aneurysm.	NHMRC	\$33,651	\$67,302 (2014-2015)
Jon Golledge, Jason Jenkins, Bronwyn Kingwell, Paul Norman, Andrew Tonkin, Robert Fitridge, Christopher Reid, Graeme Hankey, J Fletcher, Mark Nelson	Vascular	National Centre of Research Excellence to Improve Management of Peripheral Arterial Disease.	NHMRC	\$134,607	\$289,034 (2013-2015)
Nicola Burton, Jon Golledge, Jason Jenkins, Paul Norman, Maria Fiatarone Singh, A Leicht, Z Ademi	Vascular	Assessment of the efficacy of a brief behaviour intervention designed to improve physical activity in patients with peripheral artery disease.	NHMRC	\$43,942	\$144,383 (2014-2018)
Paul Colditz, Yvonne Eiby, Sonia Sam, Susan Sullivan	Maternity and Newborn Care	Effective volume expansion in preterm neonates: Cardiovascular and Cerebral outcomes.	RBWH	\$40,000	\$40,000 (2015)
Sonia Sam, Yvonne Eiby, Paul Colditz	Maternity and Newborn Care	Is angiotensin II a better inotrope than dopamine in preterm infants?	RBWH	\$63,430	\$63,430 (2015)
Melissa Lai, Stella Tracey Bjorkman	Maternity and Newborn Care	Defining the mechanisms of hypothermic neuroprotection in the HIE newborn.	RBWH	\$40,000	\$40,000 (2015)
Julie Wixey	Maternity and Newborn Care	Enhancing brain outcomes in growth restricted newborns.	UQ	\$10,000	\$10,000 (2015)
Paul Colditz, Roslyn Boyd, Atul Malhotra, Stephen Rose, Boualem Boashash, Michael Ditchfield, Michael Fahey, Kerstin Pannek, Randal Moldrich	Maternity and Newborn Care	Neurodevelopment of the preterm infant.	NHMRC	\$329,028	\$1,645,141 (2015-2019)
Stella Tracey Bjorkman, Paul Colditz, Sampsa Vanhatalo	Maternity and Newborn Care	Carbon dioxide as a treatment for seizures in the newborn.	NHMRC	\$238,630	\$850,890 (2015-2017)
Roslyn Boyd, Helen Liley, Elizabeth Hurrien, Stephen Rose, Geoffrey Wallace, Paul Dawson, Paul Colditz, Linda Richards, Luke Jardine, P Gray, Robert Justo, Jonathon Corness	Maternity and Newborn Care	Optimising Neonatal Neuroplasticity: research consortium for an MRI compatible incubator at Lady Cilento Childrens Hospital and the Mater Mothers Hospital at UQ.	UQ	\$210,000	\$210,000 (2015)
Gillian Lack, Katie Groom	Maternity and Newborn Care	STRIDER (NZAus): A randomised controlled trial of sildenafil therapy in dismal prognosis early-onset intrauterine growth restriction (New Zealand and Australia).	University of Auckland	\$6,310	\$6,310 (2015)

Investigators ( <i>RBWH staff in bold</i> )	RBWH Research Groups/Departments	Project Title	Granting Body	Amount in 2015	Total Amount (years)
Gillian Lack, Pieter Koorts, W Tarnow-Mordi	Maternity and Newborn Care	Does lactoferrin improve survival free from morbidity in very low birth weight infants? Lactoferrin Infant Feeding Trial: a randomised controlled trial.	University of Sydney	\$33,000	\$33,000 (2015)
Boualem Boashash, Paul Colditz	Maternity and Newborn Care	Automated Neonatal EEG Quality Assessment and Improvement using Artefact Filtering and Signal Segmentation.	Qatar National Research Fund	\$167,500	\$670,000 (2013-2016)
Rebecca Pelekanos, Paul Colditz, Zoe Ireland, Nicholas Fisk, Roslyn Boyd	Maternity and Newborn Care	Stem cell therapy and neurostimulation repair of white matter injury to prevent cerebral palsy.	Cerebral Palsy Alliance	\$53,166	\$159,500 (2014-2016)
Roslyn Boyd, Paul Colditz, Joanne George, Stephen Rose	Maternity and Newborn Care	PPREMO: Prediction of preterm early motor and neurodevelopmental outcomes using advanced brain imaging and an early assessment toolbox.	Cerebral Palsy Alliance	\$74,250	\$148,500 (2014-2015)
Roslyn Boyd, Paul Colditz, Joanne George	Maternity and Newborn Care	PPREMO: Prediction of Preterm Early Motor and neurodevelopmental Outcomes.	Financial Markets Foundation for Children	\$50,594	\$151,784 (2014-2016)
Aven Lee, David Pow, Phil Poronnik, V Balcar	Maternity and Newborn Care	The transportome: a coordinated complex regulating brain excitation and inhibition.	Royal Melbourne Institute of Technology University	\$125,269	\$375,807 (2013-2015)
Barbara Lingwood, Ian Wright, Eugene Lumbers, Paul Colditz	Maternity and Newborn Care	An integrated approach to inotropic support in preterm neonates.	NHMRC	\$167,730	\$670,920 (2012-2015)
Paul Colditz, Matthew Sanders, Roslyn Boyd, Margo Pritchard, Peter Gray, Michael O'Callaghan, Virginia Slaughter, Koa Whittingham	Maternity and Newborn Care	A randomised controlled trial of enhanced parenting capacity to improve developmental outcomes in preterm infants.	NHMRC	\$199,267	\$996,335 (2012-2016)
Stella Tracey Bjorkman	Maternity and Newborn Care	Lions Senior Medical Research Fellowship: Seizures and injury in the newborn hypoxic-ischemic brain.	Senior Medical Research Fellowship	\$142,333	\$996,335 (2011-2018)
Paul Colditz, Barbara Lingwood, Kathryn Buller	Maternity and Newborn Care	Brain Research Advances in Newborns (The BRAIN Project).	RBWH Foundation	\$115,714	\$810,000 (2009-2015)
Andreas Obermair, Monika Janda, A Hawkes, C Chen, J Armes	Queensland Centre for Gynaecological Cancer Research	A phase II randomised clinical trial of Mirena ± metformin ± weight loss intervention in patients with early stage cancer of the endometrium.	Cancer Australia / Queensland Univeristy of Technology	\$185,600	\$556,800 (2013-2015)
Andreas Obermair	Queensland Centre for Gynaecological Cancer Research	Clinical Trial Data Management	Cancer Council Queensland	\$47,869	\$47,869 (2015)
Andreas Obermair	Queensland Centre for Gynaecological Cancer Research	Impact of gated PET/CT on the diagnosis of distant metastases of advanced epithelial ovarian, fallopian tube, and primary peritoneal cancer.	RBWH	\$40,000	\$40,000 (2015)
Andreas Obermair, Michael Quinn, D Brennan, J Armes, Monika Janda, V Gebbski, Jonathan Carter, Yee Leung, Lewis Perrin, M Bunting, Martin Oehler, James Nicklin, C Strakosch, M Williams	Queensland Centre for Gynaecological Cancer Research	A phase II randomised clinical trial of Mirena ± metformin ± weight loss intervention in patients with early stage cancer of the endometrium.	Cancer Australia	\$60,000	\$540,000 (2015-2018)

Investigators ( <i>RBWH staff in bold</i> )	RBWH Research Groups/Departments	Project Title	Granting Body	Amount in 2015	Total Amount (years)
Elizabeth Hurrión, Paul Dawson, Pieter Koorts	Neonatology	Neuroprotective Role of Sulphate among preterm babies (SuPREME).	NHMRC	\$180,109	<b>\$720,437</b> (2014-2017)
Rebecca Kimble	Statewide Maternity and Neonatal clinical Network	Perinatal Mental Health Project.	Queensland Health	\$150,000	Undisclosed (2015-2017)
Rebecca Kimble	Statewide Maternity and Neonatal Clinical Network	NeoResus Education Project.	Queensland Health	\$150,000	Undisclosed (2015-2017)
Rebecca Kimble	Paediatric and Adolescent Gynaecology	Training supervision for Fellow Statewide Paediatric and Adolescent Gynaecology.	Australian Government Department of Health	\$20,000	Undisclosed (2011-2016)
Rebecca Kimble	Queensland Neonatal Services Advisory Group	Imminent Birthing Education for non-birthing units and practitioners.	Queensland Health	\$275,000	Undisclosed (2015-2017)
Rebecca Kimble	Queensland Neonatal Services Advisory Group	Queensland Neonatal Services Advisory Group.	Queensland Health	\$150,000	Undisclosed (2015-2017)
Rebecca Kimble	Queensland Clinical Guidelines Program	Queensland Clinical Guidelines Program.	Queensland Health	\$750,000	Undisclosed (2014-2019)
Andrew Wong, Kana Appadurai, Penni Burfein, David Copland, Tracy Roxbury, Katie McMahon	Department of Neurology	Predicting aphasia recovery using neuroimaging.	RBWH Foundation	\$40,000	<b>\$40,000</b> (2015-2016)

## Acronyms:

ACIPC:	Australasian College for Infection Prevention and Control
ANZAOMS:	Australian and New Zealand Association of Oral and Maxillofacial Surgeons
ANZCA:	Australian and New Zealand College of Anaesthetists
ARC:	Australian Research Council
AusHSI:	Australian Centre for Health Services Innovation
AWMA:	Australia Wound Management Association
CAHRLI:	Collaborative for Allied Health Research, Learning and Innovation
MNHHS:	Metro North Hospital and Health Service
NHMRC:	National Health and Medical Research Council
NTFEP:	New Technology Funding and Evaluation Program
QEMRF:	Queensland Emergency Medicine Research Foundation
RANZCR:	Royal Australian and New Zealand College of Radiologists
RBWH:	Royal Brisbane and Women's Hospital
TPCH:	The Prince Charles Hospital





## Appendix B

### Publications/Presentations Summary Table

Research Group / Department	Publications		Presentations National and International	
	<i>Journal Articles</i>	<i>Books and Chapters</i>	<i>Oral</i>	<i>Poster</i>
<b>Allied Health Professionals</b>				
Centre for Allied Health Research	7	0	5	2
Nutrition and Dietetics	16	2	16	8
Occupational Therapy	4	0	5	2
Physiotherapy	22	1	14	2
Social Work and Psychology	0	1	0	2
Speech Pathology and Audiology	7	0	15	6
<b>Cancer Care Services</b>				
Haematology and Bone Marrow Transplantation	36	0	39	9
Medical Oncology	37	1	10	37
Radiation Oncology	35	0	24	12
Cancer Nursing Professorial Precinct	13	0	12	9
<b>Critical Care and Clinical Support Services</b>				
Department of Emergency Medicine	19	0	0	0
Intensive Care Services	106	14	70	11
The Professor Tess Cramond Multidisciplinary Pain Centre	4	0	4	1
Skin Integrity Services	1	2	0	0
<b>Internal Medicine Services</b>				
Cardiology	22	0	31	3
Endocrinology	17	0	0	0
Infectious Diseases	62	0	0	0
Internal Medicine and Aged Care	40	0	25	16
Kidney Health Service	31	7	29	28
Liver Trials Group	24	0	13	10
Motor Neuron Disease Research	10	0	7	0
Stroke / Neurology	7	0	6	0
Nuclear Medicine	8	0	4	3
<b>Medical Imaging Services</b>				
Medical Imaging Services	9	0	0	0
<b>Medical Services</b>				
Centre for Palliative Care Research and Education	39	0	23	2
Safety and Quality Unit	4	0	0	0



## Appendix B

### Publications/Presentations Summary Table *(Cont)*

Research Group / Department	Publications		Presentations National and International	
	<i>Journal Articles</i>	<i>Books and Chapters</i>	<i>Oral</i>	<i>Poster</i>
<b>Mental Health Services</b>				
Systems Neuroscience Group	20	1	7	14
QIMR Berghofer + Metro North Mental Health Service				
Forensic Mental Health Services	8	2	10	0
Early Psychosis, Youth mental health and Adolescent Psychiatry	16	2	0	0
Eating Disorders	9	0	13	0
Mental Health Nursing	6	0	6	2
Older Person's Mental Health	8	0	0	0
Mental Health Services Other	11	2	17	0
<b>Nursing and Midwifery Services</b>				
Nursing and Midwifery Research Centre	26	0	4	0
<b>Surgical and Perioperative Services</b>				
Anaesthetics	15	8	4	2
Vascular Surgery	10	0	1	1
<b>Women's and Newborn Services</b>				
Queensland Centre for Gynaecological Cancer	6	0	2	1
Grantley Stable Neonatal Unit	7	1	6	0
Obstetric Medicine	30	0	21	13
Obstetrics and Gynaecology Services	15	0	18	4



## Appendix C

### 2015 Research Publications

#### Journal articles:

- Abbott, I. J., A. W. J. Jenney, D. W. Spelman, D. V. Pilcher, H. E. Sidjabat, L. J. Richardson, D. L. Paterson and A. Y. Peleg (2015). "Active surveillance for multidrug-resistant Gram-negative bacteria in the intensive care unit." *Pathology* 47(6): 575-579.
- Abd Rahman, A. N., S. E. Tett, H. A. Abdul Gafor, B. C. McWhinney and C. E. Staatz (2015). "Exposure-effect relationship of mycophenolic acid and prednisolone in adult patients with lupus nephritis." *British Journal Of Clinical Pharmacology* 80(5): 1064-1075.
- Abdul Rahim N, Cheah SE, Johnson MD, Yu H, Sidjabat HE, Boyce J, Butler MS, Cooper MA, Fu J, Paterson DL, Nation RL, Bergen PJ, Velkov T, Li J. Synergistic killing of NDM-producing MDR *Klebsiella pneumoniae* by two 'old' antibiotics-polymyxin B and chloramphenicol. *J Antimicrob Chemother*. 2015 Sep;70(9):2589-97. 2015 May 28.
- Abdul Rahim, N., S.-E. Cheah, M. D. Johnson, H. Yu, H. E. Sidjabat, J. Boyce, M. S. Butler, M. A. Cooper, J. Fu, D. L. Paterson, R. L. Nation, P. J. Bergen, T. Velkov and J. Li (2015). "Synergistic killing of NDM-producing MDR *Klebsiella pneumoniae* by two 'old' antibiotics-polymyxin B and chloramphenicol." *The Journal Of Antimicrobial Chemotherapy* 70(9): 2589-2597.
- Abdul-Aziz, M. H., A. N. Abd Rahman, M.-B. Mat-Nor, H. Sulaiman, S. C. Wallis, J. Lipman, J. A. Roberts and C. E. Staatz (2015). "Population Pharmacokinetics of Doripenem in Critically Ill Patients with Sepsis in a Malaysian Intensive Care Unit." *Antimicrobial Agents and Chemotherapy* 60(1): 206-214.
- Abdul-Aziz, M. H., J. Lipman, J. W. Mouton, W. W. Hope and J. A. Roberts (2015). "Applying pharmacokinetic/pharmacodynamic principles in critically ill patients: Optimizing efficacy and reducing resistance development." *Seminars in Respiratory and Critical Care Medicine* 36(1): 136-153.
- Achong, N., H. D. McIntyre, L. Callaway and E. L. Duncan (2015). "Glycaemic behaviour during breastfeeding in women with Type 1 diabetes." *Diabetic Medicine: A Journal Of The British Diabetic Association*.
- Acksteiner, C. and K. Steinke (2015). "Percutaneous microwave ablation for early-stage non-small cell lung cancer (NSCLC) in the elderly: A promising outlook." *Journal of Medical Imaging and Radiation Oncology* 59(1): 82-90.
- Adam, A and Kenny L. Point and counterpoint: interventional oncology is not ready to go it alone. *Australas J Dermatol*. 2015 Dec 1. doi: 10.1111/ajd.12419.
- Adam, A. and L. M. Kenny (2015). "Interventional oncology in multidisciplinary cancer treatment in the 21st century." *Nature Reviews. Clinical Oncology* 12(2): 105-113.
- Adams, R. A., M. M. A. D'Souza, C. J. Pierce, N. Korica, B. Wallwork, P. G. Parsons, B. Panizza and G. M. Boyle (2015). "Ectopic expression of protein kinase C- $\alpha$  sensitizes head and neck squamous cell carcinoma to diterpene esters." *Anticancer Research* 35(3): 1291-1296.
- Adsett, J. A., A. M. Mudge, N. Morris, S. Kuys and J. D. Paratz (2015). "Aquatic exercise training and stable heart failure: A systematic review and meta-analysis." *International Journal Of Cardiology* 186: 22-28.
- Afsharimani B, Kindl K, Good P, Hardy, J. 2015. Pharmacological options for the management of refractory cancer pain—what is the evidence? *Supportive Care in Cancer*; 23(5):1473-1481.
- Agarwal, E., M. Ferguson, M. Banks, J. Bauer, S. Capra and E. Isenring (2015). "Malnutrition coding shortfalls in Australian and New Zealand hospitals." *Nutrition and Dietetics* 72(1): 69-73.
- Aghazadeh M, Jones MK, Aland KV, Reid SA, Traub RJ, McCarthy JS, Lee R. Emergence of neural angiostrongyliasis in eastern Australia. *Vector Borne Zoonotic Dis*. 2015 Mar;15(3):184-90. doi: 10.1089/vbz.2014.1622. Review. PubMed PMID: 25793473.
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## Books:

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2. Reina MA, De Andrés JA, Hadzic A, Prats-Galino A, Sala-Blanch X, van Zundert A (2015). *Atlas of Functional Anatomy for Regional Anesthesia and Pain Medicine*. Springer 2015.
3. Stevenson ARL; Resection Rectopexy; Operative Surgery of the Colon, Rectum and Anus 6e (ed. O'Connell, Madoff and Solomon); May 28, 2015 by CRC Press.
4. Taylor DA, Stevenson ARL; Laparoscopic Diverting Colostomies: Operative Techniques in Surgery, edited by Drs. Michael Mulholland, Daniel Albo, Ronald Dalman, Michael Englesbe, Mary Hawn, Steven Hughes, and Michael Sabel.

## Book chapters:

1. Al Balushi, R., et al. (2015). Glutamine Supplementation in Multiple Trauma of Critical Care. Diet and Nutrition in Critical Care. R. Rajendram, V. R. Preedy and V. B. Patel, Springer New York: 203-218.
2. Al Balushi, R., et al. (2015). Glutamine Supplementation in Multiple Trauma Patients. Glutamine in Clinical Nutrition. R. Rajendram, V. R. Preedy and V. B. Patel, Springer New York: 181-194.
3. Barrington MJ, Hade A. Chapter 29: Brachial plexus blocks above the clavicle. IN: Regional Nerve Blocks in Anesthesia and Pain Therapy IVth Edition. Jankovic D, Peng P. (eds), Springer International, 2015, pp 349-361.
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5. Bonner A. Adaptation of nursing management: Renal and urologic problems In: Brown D, Edwards H, Seaton L, Buckley T, editors. *Lewis's Medical-Surgical Nursing*. 4th ed. Sydney: Elsevier; 2015;p.1066-1085.
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7. Bonner, A. (2015). Adaptation of nursing management: Acute kidney injury and chronic kidney disease. In: Brown D, Edwards H, Seaton L, Buckley T, editors. *Lewis's Medical-Surgical Nursing*. 4th ed. Sydney: Elsevier; 2015;p.1066-1085.
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10. Gray P, van Zundert A. Chapter 16: Cervical Interlaminar Epidurals. In: Regional Nerve Blocks in Anesthesia and Pain Therapy IVth Edition. Jankovic D, Peng P. (eds), Springer International, 2015, pp 225-232.
11. Grealy B, Coyer F. Chapter 6 Essential Nursing Care. In: L Aitken, W Chaboyer and A Marshall (Eds). *ACCCN Critical Care Nursing 3rd Ed*. 2015. Elsevier, Sydney.
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13. Lataster LMA, van Zundert AAJ. Anatomy of the thoracic spinal canal in different postures: An MRI investigation. In: Atlas of Functional Anatomy for Regional Anesthesia and Pain Medicine. Reina MA, De Andrés JA, Hadzic A, Prats-Galino A, Sala-Blanch X, van Zundert A (eds), Springer 2015.
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22. Seah GJ, Hade A, Barrington MJ. Chapter 53: Nerve blocks of the abdominal wall. In: Regional Nerve Blocks in Anesthesia and Pain Therapy IVth Edition. Jankovic D, Peng P. (eds), Springer International, 2015, pp 685-706.
23. Siesjö P and Cervin A (2015). Kirurgisk behandling av hypofysadenom och kraniofaryngiom (Surgical treatment of pituitary adenoma and craniopharyngioma). *Endokrinologi (Endocrinology)*. S. Werner. Stockholm, Liber: 82-89.
24. Skelly, D., and Bonner, A. Alterations of renal and urinary tract function across the lifespan. . In Craft J, Gordon C, editors. *Understanding Pathophysiology*. 2nd ed. Sydney: Elsevier; 2015;p.843-870.
25. Skelly, D., and Bonner, A. Fluids and electrolytes, acids and bases. In Craft J, Gordon C, editors. *Understanding Pathophysiology*. 2nd ed. Sydney: Elsevier; 2015;p.843-870.
26. Stolker RJ, van Suijlecom H, van Zundert A, Groen G. Chapter 47: Lumbar Percutaneous Facet Denervation. In: Regional Nerve Blocks in Anesthesia and Pain Therapy IVth Edition. Jankovic D, Peng P. (eds), Springer International, 2015, 617-621.
27. Van Zundert A, Kumar C, Jankovic D. Chapter 6: Regional Anesthesia in Ophthalmology. In: Regional Nerve Blocks in Anesthesia and Pain Therapy IVth Edition. Jankovic D, Peng P. (eds), Springer International, 2015, pp 81-103.
28. Wittman L. and de Dassel T. Post traumatic nightmares: from scientific evidence to clinical significance. In: Kramer M and Glucksman M, editors. *Dream research – contributions to clinical practice*. New York: Routledge; 2015. p.135 –128.
29. Wyld D, Philipps J. COSA Teleoncology Guidelines Working Group. Are there any legal issues for health professionals to consider when using teleoncology?; and is teleoncology as effective as standard oncology care for the palliative care of cancer patients? In: *Clinical Oncology Society of Australia Clinical practice guidelines for Teleoncology*, Edition: 2015. Publisher: COSA, Editors: Associate Professor Sabe Sabesan, COSA teleoncology Guidelines Working Group.

## Appendix D

### 2015 Conference Presentations (Invited Speaker, Oral and Poster)

1. Abdul-Aziz MH, Sulaiman H, Mat-Nor M, Rai V, Wong K, Hasan M, Wallis S, Lipman J, Roberts JA. The BLISS Study: Beta-Lactam Infusion in Severe Sepsis- Randomised controlled trial of continuous versus intermittent beta-lactam infusion in critically ill patients with severe sepsis in a Malaysian ICU setting. Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC), San Diego, USA, September 2015.
2. Abel J, Stone C, Barnes M, Bonner A, Douglas C, Ghafooryn Gomish Bachi N, Havas K. A novel integrated nurse practitioner-led service for people with chronic kidney disease, diabetes and heart failure. Cardiac, Diabetes and Renal Clinical Network forum; 4 June 2015; Cairns, Australia. (poster)
3. Adsett J. Current challenges with exercise training and heart failure. Australian Physiotherapy Association National Conference Oct 2015. (e-poster)
4. Adsett J. Exercise training and heart failure: challenges and changing practice. Internal Medicine Society Australia and New Zealand National Conference, Nov 2015. (oral)
5. Adsett J. HEART Online: What's new? Qld Cardiovascular disease and rehabilitation Heart Foundation Symposium, Oct 2015. (oral)
6. Afrin S, Wilkinson R, Klein TJ, Schrobback K, Kassianos AJ, Wang X, Healy H. Defining a 3-D in vitro model to study immune cell and renal cell interactions. Poster presented at: World Congress of Nephrology; 13-17 March 2015; Cape Town South Africa. (poster)
7. Alasmari H, Bonner A, Coyer F. 2015. Examining Intensive Care Nurses clinical decision-making associated with acute kidney injury and continuous renal replacement therapy. Paper presented at the 40th ANZICS/ACCN Annual Scientific Meeting on Intensive Care, 29-31 October, Auckland, New Zealand. (oral)
8. Allen J, Petrie S, Callaway L, Barrett H, Fagermo N, Wolski P, Lust K. A retrospective analysis of the peri-partum management of therapeutic anticoagulation in pregnant women with venous thromboembolism and mechanical heart valves, RCOG world congress, April 2015, Brisbane. BJOG 122 pg 285. (eposter)
9. Allison R, Mortimer R, McLeod D. Multidisciplinary thyroid cancer clinic. 6th Multidisciplinary update on thyroid and parathyroid surgery, Noosa, November 2015. (poster)
10. Allison R. The Queensland thyroid cancer clinic database: Lessons and lyrics – the waxing and waning of 1131. 6th Multidisciplinary update on thyroid and parathyroid surgery, Noosa, November 2015. (oral)
11. Allison R. Thyroid cancer. Not always the nice guy. 6th Multidisciplinary update on thyroid and parathyroid surgery, Noosa, November 2015. (poster)
12. Almutary H, Bonner A, Douglas C. Measuring the multidimensions of symptoms in people with advanced stages of chronic kidney disease. Poster presented at 3rd International Conference on Epidemiology and Public Health; 2015 August 4-6; Valencia, Spain. (poster)
13. Al-Theyab NA, Donovan TJ, Colditz PB, Lingwood BE. Anthropometric Measurements Predicting Adiposity In Pre-term and Full-term Infants. Royal Brisbane Hospital Healthcare Symposium, Brisbane, Oct 2015. (poster)
14. Al-Theyab NA, Donovan TJ, Colditz PB, Lingwood BE. Ex-Utero Growth in Infants Born Before 30 Weeks Gestation is Associated With a Significant Increase in Body Fat. Annual Congress of the Perinatal Society of Australia and New Zealand, Melbourne, Vic, April 18-21, 2015. (oral)
15. Altheyab N, Donovan T, Lingwood B, Colditz P. "Extremely preterm infants have increased adiposity compared to fetal growth controls". Perinatal Society of Australia and New Zealand Congress, Melbourne, 2015. (oral)
16. Amos, T. Retrospective Audit of Transfusion Practice in Vascular Surgical Patients and the effect on patient outcomes: RBWH 2013. Australian and New Zealand Society for Vascular Surgery. Hawaii, September 2015. (poster)
17. Andersen K and Heffernan E (2015). The mental health of Indigenous Australians in custody: a public health challenge, Creating Futures, May 13, Cairns, Australia. (oral)
18. Andersen, S. (2015). What is the best form of nutrition support during allogeneic stem cell transplantation? Peter Macallum Cancer Institute Dietitians Conference. Melbourne. (invited speaker)
19. Andrews, N, Strong, J, Meredith, P, Branjerdporn, G. The association between overactivity and productivity in chronic pain: A five day observational study. The 35th Australian Pain Society Annual Scientific Meeting. Brisbane, March, 2015. (oral and poster)
20. Andrews, N. Targeting overactivity in chronic pain: Is there a light at the end of the continuum. 2015 RBWH healthcare symposium. Brisbane, October, 2015. (invited speaker)
21. Andrews, N. Translating research into practice. School of Health and Rehabilitation Sciences, Postgraduate Research Conference, Brisbane, November, 2015. (invited speaker)
22. JJ, Suna J, Hickey A, Marquart L, Javorsky G, Munns A, Denaro C, Mudge A. Impact of standardised medication titration forms and incentive payments on medication titration in heart failure: should we pay for more? European Society of Cardiology Congress 2015, London, UK, August 2015. (poster)
23. Aubron C, Flint A, Bellomo R, Pilcher D, Cheng A, Hegarthy C, Martinelli A, Howden B, Reade M, Mcquillen Z. Epidemiology of platelets transfusion in critically ill patients. HAA Haematology Society of Australia and New Zealand Annual Scientific Meeting, Adelaide, 2015.
24. Awabdy, D., Bjorkman, T. and Colditz, P. (2015). Characterisation of the AMPA and kainate receptor in the hypoxic ischaemic piglet. 25th Biennial Meeting of the International Society for Neurochemistry Jointly with the 13th Meeting of the Asian Pacific Society for Neurochemistry in Conjunction with the 35th Meeting of the Australasian Neuroscience Society, Cairns, QLD Australia, (137-137). 23-27 August 2015. (poster)
25. Baker S, Muller N, Michaels S, Bassett L, Heaton S, Paxman N. Multidisciplinary tracheostomy management team model of care: consumer engagement. Health Round Table Innovation Conference. Sydney, November 2015. (oral)
26. Baker S, Paxman N. The RBWH Tracheostomy Management Team: Development, implementation and experiences. National Australian Physiotherapy Conference. Gold Coast, 2nd October 2015. (oral)
27. Bale, C., Ranganathan, D., Huynh, S., Pham, L. Social Issues identified in CKD patients at a tertiary health centre in Australia. World Congress of Nephrology. Cape Town, South Africa 13-17 March, 2015. (poster)
28. Banks M., Young, A. Working together to improve nutrition for older adults from hospital to home. Internal Medicine Society Australia and New Zealand Scientific Meeting. Gold Coast. (invited speaker)
29. Barbour A, Nicholas O'Rourke, Jaswinder S. Samra, Koroush S Haghighi, James Kench, Jenna Mitchell, Nick Pavlakis, Matthew E. Burge, Jonathan Fawcett, Sivikumar Gananadha, Marion Harris, Morteza Aghmesheh, Yu Jo Chua, Warren Lance Joubert, Matthew MK Chan, Manju Dashini Chandrasegaram, Sonia Yip, John Simes, Val Gebbski, David Goldstein. A multicenter, phase II trial of preoperative gemcitabine and nab-paclitaxel for resectable pancreas cancer: The AGITG GAP study. J Clin Oncol 2015; 33: Abstr 387 ASCO 2015 Gastrointestinal Cancers Symposium. (poster)
30. Barkeij C, North A, Whitfield K. Management of the Extremely Premature Neonate – the impact of a specialist pharmacist. Neonatal and Paediatric Pharmacist Group 21st Conference 6-8th November 2015. Cheshire, UK. (poster)
31. Barlesi F, Dingemans A, Ou S, Ahn J, Petris L, Kim D, Yang J, Hughes BGM, Lena H, Moro-Sibilot D, Bearz A, Ramirez S, Mekhail T, Spira A, Zealiter A, Bordogna W, Sturm C, Golding S, Morcos P, Govindan R. Updated efficacy and safety results from a global phase 2, open-label, single-arm study (NP28673) of alectinib in crizotinib-refractory ALK+ non-small cell lung cancer (NSCLC). ECCO Vienna 2015. (poster)
32. Barnes R, Rossi, M., Rudd N, Cotugno J, Slater K, Secher-Jorgensen H, Young A, Hickman I, Ferguson M. Focusing on encouraging, assisting and time to eat at mealtimes improves nursing malnutrition screening practices. Dietitians Association of Australia 32nd Conference, Perth. (poster)
33. Barrett H. Management of the obese patient in clinical practice. Royal College of Obstetricians and Gynaecologists World Congress, Brisbane April 2015. (invited panellist)
34. Barrett HL, Dekker Nitert M, D'Emden M, McIntyre, HD, Callaway LK. Validation of a triglyceride meter for use in pregnancy RCOG world congress, April, Brisbane. (oral and eposter)
35. Barrett HL. "17 year old girl with amenorrhoea". Endocrine Society of Australia, Seminar Meeting, May 2015, Sydney. (invited speaker)
36. Barrett HL. "Inside out, who's in charge?" 2015 Australian Diabetes Society Meeting, Adelaide. (invited speaker)
37. Barrett HL. Hot Topics Obesity, "Probiotics/GDM". London, October 2015. (invited oral)
38. Barrett HL. Management of the obese patient in clinical practice. Royal College of Obstetricians and Gynaecologists World Congress, Brisbane April 2015. (invited panellist)



39. Bartlett M. Lowenthal Lecture 45th ANZSNM ASM, Brisbane. (oral)
40. Bartlett M. Medical Imaging: Low level radiation and risk. Engineering and Physical Sciences in Medicine, New Zealand. (oral)
41. Batstone M. ANZAOMS Victoria. Melbourne. May 2015. (keynote speaker)
42. Batstone M. BAOMS Liverpool. July 2015. (keynote speaker)
43. Batstone M. Computerised planning vs the Traditional method. ICOMS 2015 Melbourne. October 2015. (oral)
44. Batstone M. Head and Neck Reconstruction – a focus on Implants. ITI Study group. Brisbane. June 2015. (invited speaker)
45. Batstone M. Interesting Cases – Reconstructive. ICOMS 2015 Melbourne October 2015. (oral)
46. Batstone M. Oral health for the head and neck patient. Otorhinolaryngology HNGG. August 2015. (oral)
47. Batstone M. RFA Analysis of Osseointegrated implants in composite free flaps. BAOMS Liverpool. July 2015. (oral)
48. Batstone M. The relative success of composite free flaps. BAOMS Liverpool. July 2015. (oral)
49. Batstone M. Wake up with the professors. Reconstruction. BAOMS Liverpool. July 2015. (oral)
50. Beale P, O'Connell R, Scurry J, Sjoquist K, Martyn J, Cannon D, Bonaventura T, Grant P, Goh J, Antill Y, Friedlander M. PARAGON- an ANZGOG Phase 2 study of anastrozole in asymptomatic women with estrogen(ER)/progesterone (PR) positive ovarian cancer with GCIG CA125 progression after first line treatment. ESGO Nice, 24-27 Oct 2015. (poster)
51. Bergen PJ, Lipman J, Bulitta JB, Millen N, McGregor M, Kirkpatrick CMJ, Roberts JA, Landersdorfer CB. Differences in suppression of regrowth and resistance despite similar initial killing for meropenem (M) and piperacillin/tazobactam (P/T) against *P. aeruginosa* (Pa) and *E. coli* (Ec). Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC), San Diego, USA, September 2015. (poster)
52. Binny D. Investigating dosimetric effects of damaged couch tops. Engineering and Physical Sciences in Medicine. Wellington, New Zealand, November 2015. (poster)
53. Black F, Fleming M, Keller S, Nugent T, Whitehead C, Craig-Jones C, and Heath A. Mindfulness and madness: a Dialectical Behaviour Therapy (DBT) skills group in a secure mental rehabilitation unit. Australian and New Zealand Association for Psychiatry, Psychology and Law Conference, 26 November 2015. Canberra, Australia. (oral)
54. Blake C, Banks M, Brown T, Appleyard M. Oct 2015. Extended Scope of Practice of Dietitians in the Management of Gastrostomy Tube and Cares. Journal of Gastroenterology and Hepatology 2015; 30, 155. (poster)
55. Blake, C. Banks, M., Brown, T. Appleyard M. Expanding extended scope of practice for dietitians in the management of gastrostomy tubes and cares. Auspen. (oral)
56. Blake, C. Banks, M., Brown, T. Appleyard M. Expanding extended scope of practice for dietitians: management of gastrostomy tubes and cares. National Allied Health Conference. Melbourne. (oral)
57. Bond C, Kalimutho M, Bettington M, Pearson S, Leggett B, Whitehall V. Effects of the porcupine inhibitor, LGK974, on RNF43 mutant and wild type colorectal cancer cell lines, Australian Gastroenterology Week, 2015. Journal of Gastroenterology and Hepatology 30, 73-73. (poster)
58. Bonne, A, Coleman S, Havas K, Taylor B, Bubltz L, Stone C, Ehrsam S, Graham A. Patient satisfaction with nurse-led chronic kidney disease clinics: A multisite quality improvement study. Paper presented at 44th EDTNA/ERCA International Conference; 26-29 September 2015; Dresden, Germany. (oral)
59. Bonner A, Havas K, Owens J, Nicholas P, Bennett P, Clark R. A novel education strategy to improve self-care of fluids in haemodialysis. Poster presented at 44th EDTNA/ERCA International Conference; 26-29 September 2015; Dresden, Germany. (poster)
60. Bonner A, Hoy WE, Healy H, Mitchell G, Connolly L, Panaretto K, Endre Z, Coombes J, Gobe G, Fassett R. The Centre of Research Excellence in Chronic Kidney Disease: Filling the evidence gaps in knowledge and practice. Poster presented at: 43rd annual conference Renal Society of Australasia; 15-17 June 2015; Perth, Australia. (poster)
61. Bonner A, Liu S, Havas K, Campbell K, Coronas-Watkin K. A systematic review of internet use by people with chronic kidney disease. Paper presented at: 43rd annual conference Renal Society of Australasia; 15-17 June 2015; Perth, Australia. (oral)
62. Bonner A, Phan HA, Nguyen LA, Havas K. Depression, stress, anxiety and health-related quality of life in Vietnamese people receiving haemodialysis. Paper presented at 44th EDTNA/ERCA International Conference; 26-29 September 2015; Dresden, Germany. (oral)
63. Bonner A, Salisbury A, Coleman S, Kirby J, Huynh S, Healy HG, Wang Z, Hoy WE. Profiles of anaemia in patients with chronic kidney disease: A different patient population to those on Dialysis. Poster presented at: 43rd annual conference Renal Society of Australasia; 15-17 June 2015; Perth, Australia. (poster)
64. Bonner A, Stone C, Barnes M, Abel J, Douglas C, Ghafouryn Gomish Bachi N, Havas K. An integrated nurse practitioner-led service for people with chronic kidney disease. Paper presented at 44th EDTNA/ERCA International Conference; 26-29 September 2015; Dresden, Germany. (oral)
65. Bonner A. Competency based teaching in nursing education in Vietnam: QUT/ AP projects. Invited speaker. 7th National Nursing Scientific Conference, Vietnam Nurses Association; 22-23 October 2015; Hanoi, Vietnam. (invited speaker)
66. Booth C, Janette L. Vardy, Christopher J. O'Callaghan, Sharlene Gill, Derek J. Jonker, Christine Friedenreich, Ralph M. Meyer, Michael Donald Brundage, Rebecca Wong, Haryana M. Dhillon, Patti O'Brien, Brandi Baylock, Neil Sun Chua, Sasha Lipichuk, Michael Susmoy Sanatani, Stephen Begbie, Tony Bonaventura, Matthew E. Burge, Dongsheng Tu, Kerry S. Courneya; A phase III study of the impact of a physical activity program on disease-free survival in patients with high-risk stage II or stage III colon cancer: A randomized controlled trial (NCIC CTG CO.21). J Clin Oncol 2015; 33: Abstra TPS3620 ASCO 2015. (poster)
67. Boyne N. Is tibial stenting for leg ischaemia a good idea? Australian and New Zealand Society for Vascular Surgery. Hawaii, September 2015. (oral)
68. Breakspear M (2015). Hierarchical dynamics in prefrontal cortex. Systems and Computational Neuroscience Down Under. Brisbane, Australia. (oral)
69. Breakspear M (2015). Network dysfunction of emotional and cognitive processes in those at genetic risk of bipolar disorder. Society for Mental Health Research. Brisbane, Australia. (oral)
70. Breakspear M. (2015). Brain Waves. Keynote address. Organization for Human Brain Mapping. Hawaii, USA (oral).
71. Brose M, Schlumberger M, Tahara M, Wirth L, Robinson B, Eliser R, Newbold K, Kiyota N, Hoff A, Ductus C, Song J, Hughes B, Sherman S, Taylor M. Effect of age and lenvatinib treatment on overall survival for patients with 131I-refractory differentiated thyroid cancer in SELECT. COSA 2015. (poster)
72. Brown L, Gardner G, Bonner A. A study protocol for a randomised controlled trial (RCT) to support older patients with chronic kidney disease to make end of life care choices. Poster presented at Australian College of Nurse Practitioners; 2015 September 9-10; Melbourne, Australia. (poster)
73. Brown T, Banks M, Hughes BGM, Lin C, Kenny L, Bauer J. Outcomes following proactive versus reactive nutrition support in patients undergoing chemoradiotherapy. RBWH Research symposium, 2015. (poster)
74. Brown T, Banks M, Hughes BGM, Lin C, Kenny L, Bauer J. Prospective outcomes of high-risk patients undergoing chemoradiotherapy that have not adhered to prophylactic PEG insertion guidelines. World conference larynx cancer (WCLC) Cairns 2015. (poster)
75. Brown, T., Banks, M., Hughes, B. G. M., Lin, C., Kenny, L.M., Bauer, J.D.. Outcomes following proactive vs reactive nutrition support in patients undergoing chemoradiotherapy. World Congress for Larynx Cancer. Cairns. (oral)
76. Burge M, Wyld D, Eastgate M, Keller J, Hickey D, Pritchard W, Cubitt A, Pearson S, Leggett B, Whitehall V. A prospective database of patients with metastatic colorectal cancer (mcr) examining clinical and molecular biomarkers. RBWH Healthcare Symposium 12-16 October 2015. (poster)
77. Burge M. Research in gastrointestinal malignancies at RBWH. Biennial Research Symposium to Support Diamond Standard of Cancer Care. RBWH, July 2015. (invited speaker)
78. Burmeister E, Jordan S, O'Connell D, Beesley V, Goldstein D, Gooden H, Janda M, Merrett N, Wyld D, Neale R. Determinants of attempted resection for patients with non-metastatic pancreatic cancer. European Pancreatic Club Annual Meeting 2015, Toledo, Spain; June 2015. (poster)
79. Burmeister E, Jordan S, O'Connell D, Beesley V, Goldstein D, Gooden H, Janda M, Merrett N, Wyld D, Neale R. Using a Delphi process to determine optimal care for patients with pancreatic cancer. European Pancreatic Club Annual Meeting 2015, Toledo, Spain; 06/2015. (poster)
80. Burns C, Keir B. Application of telehealth in fluoroscopic swallow studies: Image Quality and Clinical Evaluations. RBWH symposium. Brisbane, 15th October 2015. (poster)
81. Burns C, Keir B. Telepractice: Application of telehealth in fluoroscopic swallow studies: Image Quality and Clinical Evaluations. Medical Radiation Professions Advisory Forum. Brisbane, 22nd May, 2015. (poster)



82. Burns C, Ward E. Conducting videofluoroscopic swallow studies (VFSS) via telepractice: A feasibility study. Speech Pathology Australia Conference. Canberra, 18-20 May. (poster)
83. Burns C, Ward E. Evaluating image quality in videofluoroscopic swallow studies (VFSS) using telepractice applications. Speech Pathology Australia Conference, Canberra 18-20 May. (poster)
84. Burns C. Developments in telehealth services. Collaborative for Allied Health Research, Learning and Innovation Forum. Brisbane, 21st May 2015. (oral)
85. Burns C. Implementing a telehealth service to support Speech Pathology services for head and neck cancer patients. RBWH Research Symposium. Brisbane. 15th October 2015. (oral)
86. Burns C. Using telehealth to support rural and regional patients. World Congress on Larynx Cancer. Cairns, 27th July 2015. (oral)
87. Button E, Chan R, Chambers S, Butler J and Yates, P. Literature review of the signs, symptoms and characteristics at the end of life in people with a haematological malignancy. Haematology Association of Australia 2015. (oral)
88. Byrne C, Roberts JA, McWhinney B, Fennell J, Egan S, O'Byrne P, Deasy E, Enright H, Ryder S, D'Arcy D, McHugh J. Population Pharmacokinetics of Teicoplanin in Haematological Malignancy Patients. Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC), San Diego, USA, September 2015. (poster)
89. Callaway L. "Hypertension in Pregnancy", Obstetrical and Gynaecological Society of Hong Kong, 30-31 May, 2015. (invited international speaker)
90. Callaway L. "Managing Obese Women in Pregnancy" Obstetrical and Gynaecological Society of Hong Kong, 30-31 May, 2015. (invited international speaker)
91. Callaway L. "Probiotics in the Prevention of Gestational Diabetes". Obstetrical and Gynaecological Society of Hong Kong, 30-31 May, 2015. (invited international speaker)
92. Callaway L. Skip Martin Lecture. "Overweight and obesity in Australian mothers and preconception care and impact on adverse pregnancy outcomes". Australian Diabetes Society. Adelaide, August, 2015. (oral)
93. Callaway L. World Obesity Federation, Probiotics and Gestational Diabetes, London, 30 October 2015. (invited international speaker)
94. Campbell J, Coyer F, Osborne S. 2015. Taking the next step in maintaining skin integrity in older adult acute care patients; a new skin safety model. Abstract for 24th annual RBWH Symposium – Integrity and Integration in Healthcare Delivery 12-16 October, Brisbane, Australia.
95. Cardiology. "A Statewide approach to treating heart failure - The Queensland experience". Western Australia Heart Failure Symposium, Perth, September 2015. (oral)
96. Cardiology. "Cardiology Research Model". RELAX-2 Investigator Meeting, Sydney, April 2015.
97. Cardiology. "Evidence for intravenous iron in heart failure". Vifor Symposium, Sydney, November 2015
98. Cardiology. "Exercise integrated- The Queensland Model for healthcare delivery in heart failure". EFFAD- Efficacy and Adherence to Exercise Training in Heart Failure Network Seminar, St Olavs University Hospital, Trondheim, Norway, January 2015.
99. Cardiology. "Heart failure - diagnosis, investigation and treatment". East Coast GP Clinical Seminar, Gold Coast, February 2015.
100. Cardiology. "Heart failure". The Society of Hospital Pharmacists of Australia 2015 Cardiology Symposium, Brisbane, June 2015.
101. Cardiology. "Meet the Expert Workshop": Strategies to optimise the doses of CHF treatment. Asian, Middle Eastern, African Cluster (AMAC) Heart Failure Forum 2015, Dubai, UAE, October 2015.
102. Cardiology. "New advances in evaluating and treating congestive cardiac failure". Internal Medicine Society of Australia and New Zealand Annual Scientific Meeting, Gold Coast, September 2015.
103. Cardiology. "PARADIGM-Implications for Australian HF Practice". 63rd Annual Scientific Meeting of the Cardiac Society of Australia and New Zealand Heart Failure Symposium, Melbourne Convention Centre, Melbourne, August 2015.
104. Cardiology. "The modern day treatment algorithm". Servier National Heart Failure Symposium, Sydney, April 2015.
105. Cardiology. "Topical issues in heart failure". BMS / Pfizer Cardiovascular forum, Adelaide, October 2015.
106. Cardiology. "Update on TITRATION". Novartis National Heart Failure Advisory Board, Melbourne, August 2015.
107. Cardiology. "Clinical specialist perspective". Rediscovering Heart Failure Summit, Parliament House, Canberra, October 2015.
108. Carlier M, Roberts JA, Stove V, Verstraete A, Lipman J, De Waele JJ. Lack of PK/PD target attainment in de-escalated antibiotic therapy in critically ill patients: less is not always more. European Conference on Clinical Microbiology and Infectious Diseases, Copenhagen, Denmark, April 2015. (poster)
109. Carlier M, Roehr AC, Roberts JA, Brinkmann A, Frey O. Which routinely available measures of kidney function best predict 8-lactam clearance in ICU. Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC), San Diego, USA, September 2015. (poster)
110. Carlos Salomon, Katherin Scholz-Romero, Mihar Kobayashi, Matthew Smith, Gregory Duncombe, Sebastian Illanes, Murray D. Mitchell, Gregory E. Rice. Oxygen Tension Regulates Glucose-Induced Biogenesis and Release of Different Subpopulations of Exosome Vesicles from Trophoblast Cells: A Gestational Age Profile of Placental Exosomes in Maternal Plasma with Gestational Diabetes Mellitus. Latin American Society for Maternal Fetal Interaction and Placenta (SLIMP).
111. Cavallucci D. "Robotic HPB Surgery", Cairns. November 2015. (invited speaker)
112. Cavallucci D. "Robotic Pancreatic Surgery" Sydney, RPA annual Pancreaticobiliary meeting. October 2015. (invited speaker)
113. Cervin A. Bacterial interference; an alternative to antibiotics in chronic infection. Centre for Chronic Disease Seminar, Brisbane.
114. Cervin A. Chest and Sinuses-The united Airway. Grand Rounds RBWH.
115. Cervin A. Difficult to treat Chronic Rhinosinusitis. New Zealand Society of Otolaryngology, Head and Neck Surgery. Nelson. (keynote speaker)
116. Cervin A. Exploring Probiotics as a Treatment Alternative to Antibiotics in Upper Airway Disease. New Zealand Society of Otolaryngology, Head and Neck Surgery. Nelson.
117. Cervin A. Fellowship exchange. The Swedish ENT Society national meeting Stockholm.
118. Cervin A. FESS instruments, Karolinska Second Annual FESS course.
119. Cervin A. Immunotherapy and Skin Prick Testing, Australian Society of Otolaryngology Head and Neck Surgery 2015, Sydney.
120. Cervin A. Pre-operative workup and Indications for Surgery, Karolinska Second Annual FESS course.
121. Cervin A. Publishing in Medical Journals, Australian Society of Otolaryngology Head and Neck Surgery 2015, Sydney.
122. Cervin A. Systemic Approach to Oozing in sinus surgery, Australia and New Zealand Rhinologic Society, Queenstown.
123. Cervin A. Systemic Approach to Oozing in sinus surgery. Sydney Sinus Surgery Course.
124. Cervin A. The role of SNOT-22 in your daily practice or work-up in CRS patients. Sydney Sinus Surgery Course.
125. Cervin A. Value Based Health Care, Australia and New Zealand Rhinologic Society, Queenstown.
126. Chan P. Standardising Radiotherapy for Endometrial Cancer – Contemporary Management of Endometrial Cancer. ANZGOG, Gold Coast, Australia, March 2015. (oral)
127. Chan R, Wallace A, Downs E, Gates P, Thomas A, Yates P. A national cancer nursing survey: survivorship care provision for patients with haematological malignancy. 18th CNSA Winter Congress 2015, Perth, 14-16 June 2015. (poster)
128. Chan R, Wallace A, Downs E, Gates P, Thomas A, Yates P. Provision of survivorship care for patients with haematological malignancy at completion of treatment: a national cancer nursing practice survey. Survivorship Conference, Adelaide, 7th February 2015. (oral)
129. Chan R. Building capacity for research and evidence-based practice at the organisational level. Asian Oncology Nursing Society 2015. (invited speaker)
130. Cheng R. "To Scope or Not to Scope: Examining Endoscopic Disease Recurrence and Outcomes in Patients with Crohn's Disease Post Ileal Surgery". Australian Gastroenterology week 2015. (poster)
131. Cheng R. "To Scope or Not to Scope: Examining Endoscopic Disease Recurrence and Outcomes in Patients with Crohn's Disease Post Ileal Surgery". 19th Annual GESA Noosa update 2015. (oral)
132. Chong D. Lessons from running a workshop for women who carry the severe Haemophilia Gene: The Queensland Experience. 17th National Haemophilia Conference. Gold Coast, Oct 2015. (poster)

133. Chong D. Quality of Life of people who have moderate or severe Haemophilia study. 17th National Haemophilia Conference. Gold Coast, Oct 2015. (poster)
134. Choudhury M, Marsh N, Chan R, Rickard C, McMillan D. Distribution of Chlorhexidine tolerance genes in bacterial DNA associated with chlorhexidine impregnated dressings. Australian Society for Antimicrobials Conference Annual Scientific Meeting 2015. (poster)
135. Chowdhury M, Berry N, Koczwara B, McCarthy A, Ullah S, Atherton J, Roder D, Clark R. Heart failure mortality following cancer treatment: a linked health data analysis of blood, lymphatic and breast cancer patients (1996-2009). European Society of Cardiology Congress 2015, London, UK, August 2015 (Accepted for oral presentation). Invited by the European Society of Cardiology Congress News to submit a 400-word article as a report to be included in the official newspaper of the European Society of Cardiology Congress.
136. Chua B. Programs of awareness, early diagnosis and prevention in Australia. World Larynx Cancer Congress. Cairns, Australia, July 2015. (oral)
137. Clark RA, Alexandra M, Chowdhury MH, Berry NM, Ullah S, Koczwara B, Atherton J, Roder D. Demographics, treatment and survival of a cohort of blood and breast cancer patients' who have developed heart failure following cancer treatment: linked health data analysis. Young Statistician Conference (YSC) 2015 Conference, Adelaide, February 2015. (oral)
138. Cohen J. Social Media And Critical Care Conference, Chicago, USA, 2015
139. Cohen J. Wellington Final Fellowship Examination Course, New Zealand, Invited Faculty, 2015.
140. Colditz P. Brain development in the NICU. Gold Coast University Hospital Research Seminar series. Gold Coast University Hospital, June 2015. (oral)
141. Colditz P. Parenting preterm infants: how to optimise outcomes. NSW Pregnancy and Newborn Services Network; NeoPad Conference. Sydney, September 2015. (oral)
142. Colditz P. Subgaleal haemorrhage; Don't treat it lightly. NSW Pregnancy and Newborn Services Network; NeoPad Conference. Sydney, September 2015. (oral)
143. Coleman S, Bonner A, Havas K, Taylor B, Bublit L, Stone C, Ehrms S, Graham A. Patient satisfaction with nurse-led chronic kidney disease clinics: A multisite quality improvement study. Poster presented at RBWH Healthcare Symposium; 2015 October 12-16; Brisbane, Australia. (poster)
144. Coleman S, Bonner A, Taylor B, Bublit L, Stone C., Ehrms S, Graham A, Havas K. A multicentre evaluation of nurse-led chronic kidney disease clinics in Queensland. Paper presented at: 43rd annual conference Renal Society of Australasia; 2015 June 15-17; Perth, Australia. (oral)
145. Collyer B (2015). "Primum non nocere" or "To Do no Harm 41st ACMHN International Mental Health Nursing (IMHN) Conference, Brisbane, 7-9 October. (poster)
146. Comans TA, Nyugen K. The cost-effectiveness of an intervention to improve uptake of advanced care directives in Australia. International Association of Gerontology and Geriatrics Asia-Pacific Conference. Chiang Mai, October 2015. (poster)
147. Copland D, Dignam J, Burfein P, O'Brien K, Rawlings A, Farrell A, McKinnon E, Rodriguez A. The relationship between novel word learning and anomia treatment success. Neurobiology of Language Conference, Chicago, October 2015. (oral)
148. Courtney M, Wu C-J(Jo), Chang AM, Atherton J, MacIsaac A, MacIsaac R, Kostner K, McPhail S. Fidelity of a cardiac-diabetes transcare program. 11th Annual Disease Management conference - Count me in: Partnerships in chronic care, Brisbane, September 2015. (oral and poster)
149. Coyer F. Best practice principles for incontinence-associated dermatitis (IAD). Teleflex Seminar. Sydney, 29 July 2015. (invited expert speaker)
150. Coyer F. Best practice principles for incontinence-associated dermatitis (IAD). Teleflex Seminar. Brisbane, 30 July 2015. (invited expert speaker)
151. Coyer F. Consultation. 3M Wound and Skin Care – Skin Care KOL Consultation. St Paul, Minneapolis, USA. 18 February 2015.
152. Coyer F. Incontinence-associated dermatitis in the critical care setting. 2015 National Pressure Ulcer Advisory Panel National Biennial Conference, Orlando, USA, 20-21 February 2015. (invited expert speaker)
153. Coyer F. Translating evidence into intensive care nursing practice to reduce pressure injuries: the SUSTAIN study. Pressure Injury Prevention Workshop. Patient Safety and Quality Improvement Service. Brisbane, 20 November 2015. (invited expert speaker)
154. Coyer F. Translating evidence into intensive care nursing practice to reduce pressure injuries: the SUSTAIN study. The Australian Wound Management Association (AWMA) Education Seminar. Brisbane, 18 November 2015. (invited expert speaker)
155. Coyer F. Understand the primary risk factors for IAD in the Critical Care setting. 3M Critical and Chronic Care Solutions Division, Sydney, 25-26 May 2015. (invited expert speaker)
156. Crowe SB. Initiatives of the ACPSEM Queensland branch. Engineering and Physical Sciences in Medicine. Wellington, New Zealand, November 2015. (oral)
157. Crowe SB. On the selection of gamma criteria. Engineering and Physical Sciences in Medicine. Wellington, New Zealand, November 2015. (oral)
158. Crowe SB. Spectrophotometric analysis of radiochromic film. Engineering and Physical Sciences in Medicine. Wellington, New Zealand, November 2015. (poster)
159. Crowe SB. Women in medical physics: numbers in Australasia. Engineering and Physical Sciences in Medicine. Wellington, New Zealand, November 2015. (oral)
160. Curley H, Venthurupalli SK, Hoy WE, Healy HG, Fassett RG, Cameron A, Wang Z. CKD.QLD: Burden of cardiac disorders in chronic kidney disease (CKD) from Darling Downs. Nephrology 2015;20:83 abstract 245. 51st Annual Scientific Meeting Australian and New Zealand Society of Nephrology; 2015 September 6-9; Canberra, Australia. (poster)
161. Dahiya A, Booth C, Lo A, Smith K, Prasad S, Younger J, Atherton J, Zappala C. Feasibility of supine bicycle exercise echocardiography for the investigation of unexplained exertional dyspnoea. Heart Lung Circ 2015;24:S342.
162. Dalton J. Successful strategies for building confidence in mental health care. ACMHN 41st International Mental Health Nursing Conference; October 7-9, Brisbane, Australia. (oral)
163. Dalzell R. Falls Prevention / keeping mobile. 17th National Haemophilia Conference. Gold Coast, Oct 2015 (oral).
164. Darbyshire C. Evaluating a music therapy program on an adolescent inpatient unit. 41st National Australian Music Therapy Association 2015 Conference, Sydney, Australia. (oral)
165. Dart N. (2015) Safewards Queensland: Back to the Future!! ACMHN 41st International Mental Health Nursing Conference; October 7-9, Brisbane, Australia. (oral)
166. Dekker Nitert, M., Callaway, L.K., Barrett, H.L. Myo-inositol upregulates expression of the hexosamine signaling pathway in placenta. SOMANZ annual scientific meeting, Melbourne, 16-18 October (oral)
167. Demedio, K., Young, A., Burn, E., Banks, M. and Mudge, A. Cost-effectiveness analysis: a novice's experience. National Allied Health Conference. Melbourne. (oral)
168. Denaro C. "Who gets what? Exploring a state wide formulary". Society of Hospital Pharmacists of Australia National Conference November 2015. (invited speaker)
169. Denaro D, Watt B, and Hasan T. The characteristics of targeted aggression in young people with co-occurring mental health and offending behavior. Australian and New Zealand Association for Psychiatry, Psychology and Law Conference, Canberra, Australia. (oral)
170. Di Milnes, Gianina Ravenscroft, Mark R Davis, Cheryl Longman, Mac Gardner, Nigel G Laing. A new case of Brais Myopathy, and a hunt for the gene. Poster Human Genetics Society of Australasia Meeting Perth 2015
171. Dickie G, Askew J, Tripcony L, Ha T. Stage 1 glottic cancer treated with radiotherapy. World Larynx Cancer Congress. Cairns, Australia, August 2015. (oral)
172. Dignam J, Copland D, McKinnon E, Burfein P, O'Brien K, Farrell A, Rodriguez A. Intensive versus distributed aphasia therapy: A nonrandomised, parallel-group, dosage-controlled study. Australasian Stroke Conference. Melbourne, 2nd September 2015. (oral)
173. Dinh TTH, Bonner A, Clark R, Ramsbotham J, Hines S. The effectiveness of the teach-back method on adherence and self-management in health education for people with chronic disease: A systematic review. Joanna Briggs Institute International Methodology Symposium; 2015 September 3-4; Adelaide, Australia. (oral)
174. Donovan T. Aus Asia Consortium. "Perinatal/Paediatric Telehealth: An Educational Tool Delivering Economic Benefits" Presented to Chinese Navy Health Workers, Brisbane, 2015. (oral)
175. Dore GJ, Conway B, Luo Y, Janczewska E, Knysz B, Liu Y, Streinu-Cercel A, Caruntu FA, Curescu M, Skoien R, Ghesquiere W, Mazur W, Soza A, Fuster F, Greenbloom S, Motoc A, Arama V, Shaw D, Tornai I, Sasadeusz J, Dalgard O, Sullivan D, Liu X, Kapoor M, Campbell A, Podsadecki T. Efficacy and safety of ombitasvir/paritaprevir/r and dasabuvir compared to IFN-containing regimens in genotype 1 HCV patients: The MALACHITE-I/II trials. The Liver Meeting AASLD. San Francisco, November 2015. (poster)

176. Duncombe G. "Current status of fetal therapy in Australia", Exosomes During Normal and Pregnancy Complications. 47th International Congress on Pathophysiology of Pregnancy, Tbilisi, Georgia. (invited speaker)
177. Duncombe G. Ultrasound in placental abnormalities, Current status of fetal therapy in Australia, The role of Exosomes in maternal-fetal medicine. ASUM 2015: 45th Annual Scientific Meeting. Sydney, Australia. (oral)
178. Duncombe Gregory, Smith Matthew, Rosser Shannyn, Scholz-Romero Katherin, Illanes Sebastian, S Longo, Mitchell Murray, Rice Gregory, Salomon Carlos. Pregnancies with Gestational Diabetes are Associated with Higher Levels of Placental Derived Exosomes in Maternal Circulation. Proceedings of the Perinatal Society of Australia and New Zealand 19th Annual Congress, April, 2015, Melbourne. Australia. (poster)
179. Dupont J, McKeage M, Kotasek D, Markman B, Hidalgo M, Millward M, Jameson M, Harris D, Stagg R, Hughes B. A phase 1b study of anti-dll4 (delta-like ligand 4) antibody demcizumab (dem) with pemetrexed (pem) and carboplatin (carbo) in patients with 1st-line non-squamous NSCLC. Annals of Oncology 26 (Supplement 1): ASCO 2015. (poster)
180. Dwyer K, Hickling. D., Bannister M, Banks M, Bauer J, Ross L. Nutritional intake of hospitalised patients with Pressure Injury. Australian Wound Management Association (Qld) Conference. Brisbane. (oral)
181. Eastgate M. Colon Cancer Clinical Trials. Brisbane Cancer Conference, Brisbane, 2015 (invited speaker)
182. Ekberg S., Adili F., Howard C., Myers N. and Yates P. Transferring learning into palliative care practice: Preparing effective workplace activities following clinical placements in palliative care. 13th Australian Palliative Care Conference, Melbourne, 4th September 2015. (oral)
183. Eley V. Choice of Anaesthesia for Code Critical Caesarean Section. National Conference: Joint Airway Management and Obstetric Anaesthesia Special Interest Group Combined Meeting, Melbourne, September 2015.
184. Eley V. Pre-eclampsia has many faces: An interactive case based clinical session. Royal College of Obstetricians and Gynaecologists World Congress, Brisbane. April 2015. (invited panellist)
185. Eley V. Providing care for the obese pregnant woman – a challenge for all theatre staff. Perioperative Nurses Association of Queensland Conference Coolom 2015. (invited speaker)
186. Elfeky O, Scholz-Romero K, Kobayashi M, Truong G, Servay C, Duncombe G, Longo S, Mitchell MD, Rice GE, Salomon C. Increased Levels of Placental-Derived Exosomes within Maternal Circulation is Associated with a Higher Susceptibility in Developing Gestational Diabetes in Obese Women. Joint Annual Conference of the International Society for Pediatric and Adolescent Diabetes and Australasian Paediatric Endocrine Group, October 2015, Brisbane Australia (oral)
187. Elfesky O, Scholz-Romero K, Sarker S, Truong G, Sweeney E, Kobayashi M, Longo S, Mitchell MD, Illanes S, Duncombe G, Rice GE, Salomon C. Placental-Derived Exosomes and their Concentration across Pregnancies with Gestational Diabetes Mellitus (GDM) A Novel Approach to the Study of Placental Function. 2015 Annual Scientific Meeting of the Australasian Diabetes in Pregnancy Society (ADIPS).
188. Ellick, J. Banks, M., Appleyard, M. Dietitians as first contact practitioners for management of functional gut disorders. 11th National Allied Health Conference Melbourne. (oral)
189. Emma Taylor, Glen Kennedy, Kirk Morris. Transplantation in FLT3-ITD+ AML is not associated with improved overall survival, and allelic ratio does not correlate with outcome. Haematology Society of Australia and New Zealand Annual Scientific Meeting. Adelaide SA, October 2015. (poster)
190. Erskine D, Baumgartner B, and Ball B. You Want to do What??? Community Commencement of Clozapine Treatment for a Person who is Homeless and Alcohol Dependent – Rising to the Challenge. TheMHS Conference 2015, August, Canberra, Australia. (oral)
191. Farkas A, Frey O, Roberts JA, Roehr A. Evaluation of the utility of a Bayesian feedback method at predicting future linezolid concentrations in critically ill patients. Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC), San Diego, USA, September 2015. (poster)
192. Farkas A, Guan LF, Villasurda P, Dolton M, Roberts JA. Comparative evaluation of the predictive performance of three different structural population pharmacokinetic models to predict future voriconazole concentration. European Conference on Clinical Microbiology and Infectious Diseases, Copenhagen, Denmark, April 2015. (poster)
193. Farkas A, Gujadhur N, Yasin B, Felton T, Roberts JA. Model-based prediction of piperacillin concentrations in critically ill patients: a comparison of nine approaches against clinical data. Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC), San Diego, USA, September 2015. (poster)
194. Farrell A, Research higher degrees: What does it take? Collaborative for Allied Health Research, Learning and Innovation Forum, Brisbane, 21st May 2015. (oral)
195. Farrell A. Crossing the Divide: Real World Research. UQ School of Health and Rehabilitation Science Postgraduate Conference. Brisbane, 25th November 2015. (oral)
196. Fawcett L, Dart N and Haworth S (2015) Deconstructing aggression with in Mental Health Services. Who will care? The ACMHN 41st International Mental Health Nursing Conference; Brisbane Convention Centre, October 7-9. (poster)
197. Feng S, Singh M Nandakumar L, Wyld D, Eastgate M, Burge M. A retrospective review of microsatellite instability (MSI) testing on colorectal cancer specimens in Queensland public hospitals. RBWH Healthcare Symposium 12-16 Oct, 2015. (poster)
198. Fernando W, Mckeone D, Bettington M, Pearson S, Leggett B, Whitehall V. Wnt and MAPK signalling in colorectal cancer morphology, Australian Gastroenterology Week, 2015. Abstract published in Journal of Gastroenterology and Hepatology 30, 74-75. (oral)
199. Fleming S, Ong DM, Jackson K, Avery S, Mollee P, Marlton P, Kennedy GA and Wei A. Clinical relevance of partial response in the marrow (PRm) after failure of induction chemotherapy for adults with acute myeloid leukemia (AML). Blood 2015; 126 (23): 2512. American Society of Hematology 56th Annual Meeting, Orlando, USA, December 2015. (poster)
200. Flint A, Aubron C, Bellomo R, Pilcher D, Cheng A, Hegarthy C, Martinelli A, Howden B, Reade M, McQuilten Z. Duration of platelet storage and outcome of critically ill patients. HAA Haematology Society of Australia and New Zealand Annual Scientific Meeting, Adelaide, 2015.
201. Flynn J, Keogh S and Gavin NC. Sterile v aseptic non-touch technique for needle-less connector care in central venous access devices in a bone marrow transplant population: A comparative study. 18th CNSA Winter Congress 2015. (oral)
202. Frydman S, Breakspear M. LabNeuro – a Modular Neuroscience Platform for the Acquisition of Multi-Modal Biometric Data Sources. Organisation for Human Brain Mapping – Honolulu, USA. (poster)
203. Frydman S, Breakspear M. LabNeuro – a Modular Neuroscience Platform for the Acquisition of Multi-Modal Biometric Data Sources. Brain Connectivity Workshop – UC San Diego, USA. (poster)
204. Gavin NC, Keogh S, McMillan D and Rickard C. Does parenteral nutrition increase the risk of catheter-related infection? Does the evidence reflect current practice guidelines? 18th CNSA Winter Congress 2015. (poster)
205. Gavin NC, Keogh S, McMillan D and Rickard C. Does parenteral nutrition increase the risk of catheter-related infection? Does the evidence reflect current practice guidelines? 18th Gold Coast Nursing and Midwifery Symposium 2015. (poster)
206. Gavin NC, McMillan D, Keogh S and Rickard C. Does parenteral nutrition promote microbial growth? A review of clinical and laboratory findings. 18th CNSA Winter Congress 2015. (poster)
207. Gavin NC, McMillan D, Keogh S and Rickard C. Does parenteral nutrition promote microbial growth? A review of clinical and laboratory findings. Gold Coast Nursing and Midwifery Symposium 2015. (poster)
208. Gavin NC. Does parenteral nutrition increase the risk of catheter-related infection? HSA NZ Qld State Meeting 2015. (invited speaker)
209. Geary A., Chan R., Yates P. and Nasato G. Developing research capacity to achieve clinical excellence: The Cancer Nursing Professorial Precinct Initiative. CNSA 18th Winter Congress, Perth, 14-16 June 2015. (oral)
210. Geoff Hill. Cytokine inhibition and transplantation. HSA NZ Qld Annual Scientific Meeting. Brisbane, March 2015. (invited speaker)
211. Geoff Hill. New Transplant Directions. Brisbane Haematology Group Meeting. Brisbane, March 2015. (invited speaker)
212. Geoff Hill. Cytokine inhibition and cell therapy in transplantation. Perkins Invited Seminar. Perth WA, October 2015. (invited speaker)
213. Geoff Hill. Cytokines and transplantation. Immunotherapy@Brisbane 2015. Brisbane, November 2015. (invited speaker)
214. Geoff Hill. GVHD, cytokines and BMT. Australian Society for Clinical Immunology and Allergy Annual Meeting. Adelaide SA, September 2015. (invited speaker)
215. Geoff Hill. New pathways and interventions in GVHD. Japan-Australia 2nd Haematology Symposium. Brisbane, September 2015. (invited speaker)
216. Geoff Hill. The Great Debate – The Future of Transplantation Research. Transplantation Society of Australia and New Zealand Annual Scientific Meeting. Canberra ACT, March 2015. (invited speaker)
217. Geoff Hill. Translating transplant immunology from mouse to human. Kirby Institute Seminar. Sydney, April 2015. (invited speaker)



218. Glen Kennedy. Clinical research in haematology and BMT – from bench to bedside. RBWH Cancer Care Services Research Symposium. Brisbane, July 2015. (invited speaker)
219. Glen Kennedy. In Insights into the 2014 update of the Australian and New Zealand anti-fungal guidelines. Haematology Advanced Trainee Education Meeting. Brisbane, 31st March 2015. (invited speaker)
220. Glen Kennedy. What are blood cancers? Leukaemia Foundation of Queensland 2015 Conference. Brisbane, 31st October 2015. (invited speaker)
221. Gollo LL, Copelli M, Roberts JA, Breakspear M. Optimal signal detection with neuronal diversity: balancing the gullible and the prudent neurons. Computational Neuroscience Meeting; Prague, Czech Republic. 18–23 July 2015. (poster)
222. Gollo LL, Roberts JA, Breakspear M. A phase transition in human brain connectivity. SciNDU: Systems and Computational Neuroscience Down Under, Brisbane, Australia. 15-17 December 2015. (poster)
223. Gollo LL, Zalesky A, Hutchison RM, van den Heuvel M, Breakspear M. Core-periphery hierarchy of cortical time scales. Human Brain Mapping; Honolulu, USA. 14-18 June 2015. (poster)
224. Gollo LL, Zalesky A, Hutchison RM, van den Heuvel M, Breakspear M. Dwelling quietly in the rich club: brain network determinants of slow cortical fluctuations. Brain Connectivity Workshop; San Diego, USA. 10-13 June 2015. (poster)
225. Gollo LL, Zalesky A, Hutchison RM, van den Heuvel M, Breakspear M (2015) Are rich club regions masters or slaves of brain network dynamics? Computational Neuroscience Meeting; Prague, Czech Republic. 18–23 July 2015. (poster)
226. Gomez Arango, L., Morrison, M., Kang, A., Barrett, H., Wilkinson, S., McIntyre, D., Callaway, L., Dekker Nitert, M. Quantification of the butyryl-CoA: acetate-CoA transferase gene in the fecal microbiota of overweight and obese pregnant women at 16 weeks gestation. International Human Microbiome Congress, March 31-April 2, 2015. Luxembourg. (poster)
227. Gomez Arango, L., Morrison, M., Kang, A., Barrett, H., Wilkinson, S., McIntyre, D., Callaway, L., Dekker Nitert, M. (2015). Quantification of the butyryl-CoA: acetate-CoA transferase gene in the fecal microbiota of overweight and obese pregnant women at 16 weeks gestation. Diabetes in Pregnancy symposium, April 15-18, Berlin, Germany. (poster)
228. Gomez-Arango, L.F., Morrison, M., Kang, A., Barrett, H.L., McIntyre, H.D., Callaway, L.K., Dekker Nitert, M. (2015) Decreased intestinal butyrate-producing capacity at 16 weeks gestation is associated with increased maternal BMI and future GDM status. SOMANZ annual scientific meeting, Melbourne, 16-18 October. (poster)
229. Green B, Heffernan E. Drug driven psychoses and legal responsibility in six Western Pacific Nations, Australia and New Zealand Association for Psychiatry, Psychology and Law Conference, 27 November 2015, Canberra, Australia. (oral)
230. Green T, Gordon C. From custody to community – developing culturally competent mental health services for Indigenous people in custody, May 13, 2015, Cairns, Australia. (oral)
231. Green T. After the bells and whistles – stroke recovery and reintegration. International Cardiology Conference, Shanghai China; Dec 2015. (invited speaker)
232. Green T. Stroke care across the continuum. Australia China Centre for Public Health 2015 Research Forum. November 2015. Beijing, China. (oral)
233. Gunasekara I, Rodgers T, Pentland T, Patterson S. The Accidental Researcher, Society for Mental Health Research, Brisbane, Australia. (oral)
234. Guppy-Coles KB, Prasad SB, Hillier S, Smith K, Biswas N, Lo A, Dahiya A, Atherton JJ. Three-dimensional echocardiography left ventricular ejection fraction quantification by cardiac nurses: A comparison with cardiac magnetic resonance imaging. 25th Annual Echo Hawaii, January 2015. (poster)
235. Haamid J, Wyld D, Burge M. Efficacy of PRRT in metastatic neuroendocrine tumours; a retrospective large single institutional study. European Neuroendocrine Tumor Society 12th Annual Conference, Barcelona Spain; March 2015. (poster)
236. Hadley A. The use of dinaciclib to augment response to PARP inhibitor therapy in high-grade serous ovarian cancer: a preliminary discussion. ANZGOG Annual Scientific Meeting, Gold Coast, March 2015. (poster)
237. Hall K. An innovative approach to supporting undergraduate nursing students toward a career in mental health. ACMHN 41st International Mental Health Nursing Conference; October 7-9, Brisbane, Australia. (oral)
238. Hammarberg K, Sullivan E, Javid N, Saunders C. Fisher J on behalf of AMOSS Study Group. Psychological Aspects of Gestational Breast Cancer: A Qualitative Study of Women's Needs and Implications of Practice. Proceedings of the Perinatal Society of Australia and New Zealand 19th Annual Congress, April, 2015, Melbourne, Australia. (poster)
239. Handy M, Cleland P, McGuiness M. Incident of Empyema at the RBWH, Queensland Trauma Symposium 2015. Brisbane, Australia, February 2015.
240. Handy M. Australian and New Zealand Orthopaedic Nurses Association (ANZONA) Conference, 11th - 13th November 2015, Sydney.
241. Hardy J. How to translate evidence to practice therapeutics-refractory pain. Presented at the 22nd conference of the Indian Association of Palliative Care (IAPCON2015). Hyderabad, India Feb13-15th, 2015 (oral)
242. Hardy J. Rationalizing prescriptions in palliative care - the management of nausea. Presented at the 22nd conference of the Indian Association of Palliative Care (IAPCON2015). Hyderabad, India Feb13-15th, 2015 (oral)
243. Hardy, J. 'Ketamine or the power of the placebo – Advanced symptom management workshop'. 13th Australian Palliative Care Conference. Melbourne Convention and Exhibition Centre, Melbourne, Australia, 1st - 4th September 2015.
244. Hardy, J. 'Nausea in palliative care – current evidence. Advanced symptom management workshop'. 13th Australian Palliative Care Conference. Melbourne Convention and Exhibition Centre, Melbourne, Australia, 1st – 4th September 2015.
245. Hardy, J. Palliative care in metastatic bladder cancer. Urological Society of Australia and New Zealand USANZ Trainee week. Brisbane Convention and Exhibition Centre, Brisbane, Australia, 23rd November 2015.
246. Hardy, J., Lwin, Z., Good, P. Professional development for Interpreters – Common terminology in Cancer. Mater Clinic Conference Centre, South Brisbane, Australia, 14th August 2015.
247. Hatch K. Too Busy to Be There? Supporting therapeutic relationships in the modern mental health unit. ACMHN 41st International Mental Health Nursing Conference; October 7-9, Brisbane, Australia. (oral)
248. Hayes B, Bonner A., Douglas C. They are like family: The emotional cost experienced by nurses when caring for haemodialysis patients. 43rd annual conference Renal Society of Australasia; 2015 June 15-17; Perth, Australia. (oral)
249. Healy H, Wang X, Kassianos AJ, Wilkinson R. Purification and analysis of exosomes derived from primary human proximal epithelial cells (PTEC). Journal American Society of Nephrology 2015;26A (Abstract edition):127A TH-P0163. Kidney Week American Society of Nephrology; 2015 November 3-8; San Diego USA. (poster)
250. Heffernan D, Bonner A, Havas K, Healy, H. Attitudes of renal staff towards death shape behaviour. 44th EDTNA/ERCA International Conference; 2015 26-29 September; Dresden, Germany. (oral)
251. Heffernan D, Hoy WE, Salisbury A, Kirby J, Kark A, Coleman S, Taylor B, Wang Z, Bonner A, Healy H. Characteristics of older patients with chronic kidney disease (CKD) in public renal practices in Queensland, Australia. 44th EDTNA/ERCA International Conference; 2015 26-29 September; Dresden, Germany. (oral)
252. Heffernan D, Terry M, Healy H, Bonner A. Keeping Kidneys (KK) – a continuing journey. Paper presented at 44th EDTNA/ERCA International Conference; 2015 26-29 September; Dresden, Germany. (oral)
253. Heffernan D, Thokala S, Summers K, Healy H, Zvirawa P, Nicholas P, Hussain M, Bonner A, Ranganathan D. Sponsoring patient decision making for renal replacement therapies. 44th EDTNA/ERCA International Conference; 2015 26-29 September; Dresden, Germany. (oral)
254. Heffernan E and Andersen K. Understanding trauma and PTSD from a mental health SEWB and cultural perspective, Creating Futures, May 13, Cairns, 2015. (oral)
255. Heffernan E, Clugston B, Perrin M, and Waterson E (2015) Rights, ethics, and system stress: the risks of involuntary care in Australian prisons, Australia and New Zealand Association for Psychiatry, Psychology and Law Conference, 26 November, Canberra, Australia. (oral)
256. Heffernan E, Waterson E, Orschulok S, and Erskine D (2015) Mental health meets policing: the importance of communication, Australia and New Zealand Association for Psychiatry, Psychology and Law Conference, 27 November, Canberra, Australia. (oral)
257. Heffernan E. Custody to community, Integrity and Integration in Healthcare Delivery. The 24th Annual RBWH Healthcare Symposium, 14 October, Brisbane, 2015. (oral)
258. Heineger K, Boots R, Baker S, Bassett L, Heaton S, Paxman N. Tracheostomy Management Team: Innovations in Implementation. Australia New Zealand Intensive Care Society Conference. Auckland, October 2015. (oral)
259. Helios J, Moroney L, Spurgin Q-L, Hughes B , Kenny E. Dysphagia outcomes in

- head and neck cancer patients undergoing tomotherapy. World Congress on Larynx Cancer. Cairns, 29th July 2015. (oral)
260. Heshani Mediwake, Kirk Morris, Glen Kennedy. Brief treatment with Brentuximab vedotin is highly effective as a bridge to stem cell transplant for patients with relapsed/refractory CD30+ Hodgkin and anaplastic large cell lymphoma. Haematology Society of Australia and New Zealand Annual Scientific Meeting. Adelaide SA, October 2015. (oral)
  261. Hickey A, Suna J, Marquart L, Denaro C, Javorsky G, Munns A, Mudge A, Atherton JJ. "Achieving medication titration for patients with heart failure in the real world". European Society of Cardiology meeting Rome 2015. (e-poster)
  262. Hickey A, Suna J, Marquart L, Denaro C, Javorsky G, Munns A, Mudge A, Atherton JJ. "Achieving medication titration for patients with heart failure in the real world". Cardiac Society of Australia and New Zealand national meeting 2015. (poster)
  263. Higgins N, Dart N, Kilshaw M, and Meehan T. Introduction of the Safewards program in Queensland public hospital acute mental health settings. ACMHN 41st International Mental Health Nursing Conference; October 7-9, Brisbane, Australia. (oral)
  264. Hill A, Findlay M, Burge M, Christopher Jackson, Alfonso PG, Samuel L, Ganju V, Karthaus M, Siena S, Jeffery M, DiBartolomeo M, Bridgewater J, Coveler A, Hidalgo M, Kapp AV, Sufan RI, McCall B, Penuel E, Pirzkall A, Tabernero J. Randomized Phase II Study of MEHD7945A (MEHD) + FOLFIRI vs Cetuximab (Cet) + FOLFIRI in 2nd-line Patients with KRAS Wild-Type (wt) Metastatic Colorectal Cancer (mCRC). AACR conference 2015; Philadelphia; USA. (poster)
  265. Hill J, Jeffrey. S., Davis A. Implementation of a nutrition support pathway for acute eating disorder inpatients- improved dietitian sanity and faster achievement of goal nutrition. National Dietitians Association of Australia 32nd National Conference. Perth. (poster)
  266. Hiscox C, Higgins N. Embracing Safewards - Our experiences from the ward. ACMHN 41st International Mental Health Nursing Conference; October 7-9, Brisbane, Australia. (oral)
  267. Hockey C. Systematic review presented at Australian Physiotherapy Association National Conference 2015.
  268. Hoffman C. Radiation Induced Optic Neuropathy: Causes and Treatment.: Qld RT Weekend Conference. Cairns, Australia, August 2015. (oral)
  269. Hoffman C. The use of HDR Brachytherapy in a Paediatric Peri-Anal Rhabdomyosarcoma: Qld Graduate Seminar. Brisbane, Australia, November 2015. (oral)
  270. Holley A. NSW. Military Symposium. Sydney. November 2015. "Time and Tide Wait for No Man". (invited speaker)
  271. Holley A. Social Media and Critical Care (SMACC). Chicago. June 2015. Pro - Con Debate, ICP monitoring in trauma is last season. Con. Against Prof. John Myburgh. (invited speaker)
  272. Hollingdrake O. Haemophilia and Ageing - GPs and Men's Health. 17th National Haemophilia Conference. Gold Coast, Oct 2015. (oral)
  273. Hollingdrake O., Zeissink B. Haemophilia and ageing. Promoting healthy ageing through proactive engagement with general practitioners – literature review and pilot study. ISTH Toronto, June 2015 (oral).
  274. Hollingdrake O., Zeissink B., Fitzgerald L, Lawler S and David M. Haemophilia and ageing: Promoting healthy ageing through proactive engagement with General Practitioners. 17th National Haemophilia Conference. Gold Coast, Oct 2015. (poster)
  275. Hoy WE, Healy HG, Bonner A, Mitchell G, Connelly L, Panaretto K, Endre Z, Coombes J, Gobe G, Fassett RG, Cameron A. The NHMRC Chronic Kidney Disease Centre of Research Excellence (2015-2019). Nephrology 2015;20:78 abstract 227. 51st Annual Scientific Meeting Australian and New Zealand Society of Nephrology; 2015 September 6-9; Canberra, Australia. (poster)
  276. Hughes B, Lwin Z, Al-Saig H, Burge M, Eastgate M, Goh J, Inglis PL, Nottage M, Peters G, Wyld D. Understanding the impact of supplementary tasks on direct cancer care in a tertiary outpatient oncology setting. ASCO 2015. (poster)
  277. Husak A. Proton therapy in Craniospinal Irradiation: A systematic review. Qld RT Weekend Conference. Cairns, Australia, August 2015. (poster)
  278. Ingles J, Medi C, Burns C, McCormack L, Yeates L, Hunt L, McGaughran J, McGeechan K, Atherton J, Driscoll T, Semsarian C. Confounder bias in sudden death risk stratification for hypertrophic cardiomyopathy. Heart Lung Circ 2015;24:S400.
  279. Ingles J, Medi C, Burns C, McCormack L, Yeates L, Hunt L, McGaughran J, Atherton J, Driscoll T, Semsarian C. Methodological issues with sudden cardiac death risk stratification for hypertrophic cardiomyopathy: A self-fulfilling prophecy? 36th Heart Rhythm Annual Scientific Sessions, Boston, MA, USA, May 2015.
  280. Irwin J. A Novel Description of Longitudinal Phenotype in Patients with Crohn's Disease. Session Title: IBD: Natural History, Session. May 17, 2015 (poster)
  281. Irwin J. Consistently High C Reactive Protein is Associated with Subsequent Development of Perianal Fistulae in Patients with Crohn's Disease. Session - IBD: Disease Complications. May 17, 2015. (poster)
  282. Irwin J. Consistently Low Albumin Level as a Predictor of Subsequent Bowel Stenosis, Fistula or Perforation in Patients with Crohn's Disease. DDW 2015.
  283. Irwin J. Delay in Meeting Formal Diagnostic Criteria in Crohn's Disease. IBD: Clinical Outcomes. May 16, 2015. (poster)
  284. Irwin J. The Pre-diagnosis Inflammatory Signature of Patients with Inflammatory Bowel Disease. IBD: Diagnostics in IBD. May 17, 2015. (poster)
  285. Iyer KK, Roberts JA, Hellström-Westas L, Wikström S, Pupp IH, Ley D, Vanhatalo S, Breakspear M. Early statistical measures of EEG bursts indicate clinical outcomes in extremely preterm infants. 9th International Conference for Brain Monitoring and Neuroprotection in the Newborn, Cork, Ireland. (oral)
  286. Jakeman K, Heffernan D, McIntyre D. Expanding the scope of the endorsed enrolled nurse to meet capacity demands. Paper presented at: 43rd annual conference Renal Society of Australasia; 2015 June 15-17; Perth, Australia. (oral)
  287. Javid N, Duncombe G, Cincotta R, Oyelese Y, Homer CSE, Sullivan EA. A Population Based Study of Vasa Praevia: Diagnosis and Outcomes. Oral presentation and published in the Proceedings of the Perinatal Society of Australia and New Zealand 19th Annual Congress, April, 2015, Melbourne. Australia.
  288. Jeffrey S. Friend or foe: food beliefs and weight management. Obesity, Personality and Psychiatric Illness (2015) Queensland Audit of Surgical Mortality (QASM) seminar – 'The OBESE Patient: every surgeon's dilemma! Making the best of this difficult situation', Brisbane. (oral)
  289. Jeffrey S. RAVES – A Nutritional Management model for the eating disorders. Australia and New Zealand Academy for Eating Disorders (ANZAED) Conference: Riding the Waves to Recovery Surfers Paradise, Australia. 21-22 August 2015. (oral)
  290. Joel Collins, Cameron Curley, Kirk Morris, Glen Kennedy. Hodgkin lymphoma: outcome of a total lymphoid irradiation, cyclophosphamide and etoposide based autologous stem cell transplant regimen in primary refractory/early relapsed disease. Haematology Society of Australia and New Zealand Annual Scientific Meeting. Adelaide SA, October 2015. (poster)
  291. Kamateros R., Pigott C., Watson H., Ash K., Yates P., Martin J.-A., Victor C., Jude J., Llewelyn F., Uren S., Saward D., Moore B., Shaw T. and Krishnasamy K. Development of a geriatric online education resource for nurses to improve the care of older people with cancer. CNSA 18th Winter Congress, Perth, 14-16 June 2015. (poster)
  292. Kamp R, Hanly M, Blain S, Eley V. Evaluation of Epidural Extension at a Tertiary Referral Hospital. A Quality Improvement Study. (poster) Australian and New Zealand Society of Anaesthetists Annual Scientific Meeting, Adelaide May 2015
  293. Kassianos A, Wang X, Sampangi S, Afrin S, Wilkinson R, Healy H. Fractalkine-CX3CR1-dependent recruitment and retention of human CD1c+ myeloid dendritic cells by proximal tubular epithelial cells. Paper presented at: Brisbane Immunology Group Meeting; 2015 August 20-21; Gold Coast, Australia. (oral)
  294. Kassianos AJ, Lindner M, Wang X, Wilkinson R, Healy H. Increased recruitment of human lymphocyte subsets in renal fibrosis and chronic kidney disease. Nephrology 2015;20:40 abstract 086. 51st Annual Scientific Meeting Australian and New Zealand Society of Nephrology; 2015 September 6-9; Canberra, Australia. (mini-oral and poster)
  295. Kenny L. Assessing outcomes in local cancer treatment and the complexity of amassing evidence in an era of rapidly evolving technology. ARCS Scientific Congress. Sydney, Australia, May 2015. (oral)
  296. Kenny L. Disinvestment in medicine and the need for evidence. ECIO, Nice, France, April 2015. (oral)
  297. Kenny L. Evidence-base of radiation therapy for pain. ECIO, Nice, France, April 2015. (oral)
  298. Kenny L. Head and Neck Cancer. Visiting Professorship, Guy's and St Thomas' Hospital. London, UK, June 2015 (oral)
  299. Kenny L. It Takes More than Technology to Be an Oncologist: What Interventional Radiologists Can Learn from Radiation Oncology. RSNA, Chicago, USA, November 2015. (oral)
  300. Kenny L. Quality assurance and value for money: how IR can prove its worth. CIRSE. Lisbon, Portugal, September 2015 (oral)
  301. Kenny L. Quality Assurance in Radiation Oncology. Visiting Professorship,

- Guy's and St Thomas' Hospital, London, UK, June 2015 (oral)
302. Kenny L. The Learning Curve in Professional and Interdisciplinary Behaviour. World Congress on Larynx Cancer. Cairns, Australia, July 2015. (oral)
  303. Kevat D, Chen M, Wyld D, Fagermo N, Lust K. A case of pulmonary carcinoid in pregnancy and review of carcinoid tumours in pregnancy. Royal College of Obstetricians and Gynaecologists World Congress 2015, Brisbane, Australia; April 2015. (poster)
  304. Kilburn D, Burge M, O'Rourke N, Bryant R, Francesconi A, Houston K, Wyld D, Eastgate M, Finch R, Nathanson L, Hopkins G, Thomas P, Macfarlane D. The Impact of FDG-PET with concurrent non-contrast CT scanning (PET-CT) on the management of operable pancreatic, ampullary or distal bile duct cancer.. HPB. Fifth Biennial Congress of the Asian-Pacific Hepato-Pancreato-Biliary Association, 18-21 March 2015, Singapore, Singapore; 03/2015. (poster)
  305. Kilgour C, Bogossian F, Gallois C, Callaway L. "An Audit of the Quality of Discharge Summaries in supporting follow-up for Women with Gestational Diabetes Mellitus." Australasian Diabetes in Pregnancy Society (ADIPS) 2015 Annual Scientific Meeting 2015 Adelaide. (poster)
  306. Kilgour C, Bogossian F, Gallois C, Callaway L. "Hospital Postnatal Discharge Summaries for Women with Gestational Diabetes: A Survey of Clinician Preferences" Australasian Diabetes in Pregnancy Society (ADIPS) 2015 Annual Scientific Meeting 2015 Adelaide presentation. (poster)
  307. Kilgour C, Bogossian F, Gallois C, Callaway L. The seven secrets to successful gestational diabetes mellitus postnatal follow-up. The 24th annual RBWH Healthcare Symposium. October 2015. (poster)
  308. Kilgour C, Bogossian F, Gallois C, McIntyre HD, Callaway L. "Seven secrets to successful postnatal GDM follow-up" Australasian Diabetes in Pregnancy Society (ADIPS) 2015 Annual Scientific Meeting 2015 Adelaide (poster)
  309. Kilgour, C., Bogossian, F., Gallois, C., Callaway, L. "An Audit of the Quality of Discharge Summaries in supporting follow-up for Women with Gestational Diabetes Mellitus." Australasian Diabetes in Pregnancy Society (ADIPS) 2015 Annual Scientific Meeting 2015 Adelaide. (poster)
  310. Kilgour, C., Bogossian, F., Gallois, C., Callaway, L. "Hospital Postnatal Discharge Summaries for Women with Gestational Diabetes: A Survey of Clinician Preferences". Australasian Diabetes in Pregnancy Society (ADIPS) 2015 Annual Scientific Meeting 2015 Adelaide. (poster)
  311. Kilgour, C., Bogossian, F., Gallois, C., McIntyre, HD, Callaway, L. "Seven secrets to successful postnatal GDM follow-up". Australasian Diabetes in Pregnancy Society (ADIPS) 2015 Annual Scientific Meeting 2015 Adelaide. (poster)
  312. Kimble R, Molloy G, Sutton B. Partial Cervical Agenesis and Complete Vaginal Atresia: A Case Study. J Pediatr Adolesc Gynecol 28, e41ee78. (poster)
  313. Kimble R. Australasian Trauma Society 3-5 October 2015. Gold Coast Queensland Australia Trauma Guidelines for Pregnant patients. (invited speaker)
  314. Kimble R. Clinical Audit Improvement Conference: Embedding the National Standards into Everyday Practice. 30 Nov-02 December 2015, Sydney Australia. (invited speaker)
  315. Kimble R. Pacific Society for Reproductive Health Biennial Conference Suva Fiji July 6-10, Translating evidence into best practice. (invited speaker)
  316. Kimble R. IMPACT Network (Interdisciplinary Maternal Perinatal Australasian Collaborative Trials Network, A regional perspective on maternity guidelines, Melbourne Australia. 18 Nov 2015. (invited speaker)
  317. King M, Toleman J, King C, Burge M, Wyld D: The Benefits and cost savings of Capecitabine for neo-adjuvant treatment of rectal cancer. Medicines Management 2015. The 41st SHPA National Conference, Melbourne Convention and Exhibition Centre Victoria, 3-6 Dec 2015. (poster)
  318. Koczwara B., Emery J., Yates P., Mann B., Fallon-Ferguson J., Mazza D., Mitchell G., Williams I. and White K. Shared care of cancer patients in primary and specialist care – proposal for a principle based implementation process. 2015 Survivorship Conference, Adelaide, 7th Feb 2015. (oral)
  319. Kondalsamy-Chennakesavan S; Nasir B; Creutzberg CL; et al. Validation of the Australian Uterine Cancer Nomograms to Predict Local or Distant Recurrence Using Portec Trials Dataset. International Journal of Gynaecological Cancer. Volume: 25, Issue: 9, Supplement: 1, Pages: 289-290, Meeting Abstract: ESGO-1289, Published: Oct 2015.
  320. König C, Braune S, Steinmetz OM, Baehr M, Roberts JA, Kluge S, Langebrake C. The Effect of Sustained Low-Efficiency Dialysis on Meropenem Pharmacokinetics in the Critically Ill. Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC), San Diego, USA, September 2015. (poster)
  321. Kotasek D, Hughes BGM, Markman B, Millward M, Hidalgo M, Jameson M, Harris D, Stagg R, Kapoun A, Dupont J, McKeage M., A phase 1b study of the anti-cancer stem cell agent demcizumab (DEM), pemetrexed (PEM) and carboplatin (CARBO) in patients with 1st line non-squamous NSCLC. ASCO 2015. (poster)
  322. Kudo M, Francis L, Ratanjee S. Everolimus induced acute kidney injury in the patient with renal cell carcinoma. Poster presented at RBWH Healthcare Symposium; 2015 October 12-16; Brisbane, Australia. (poster)
  323. Kugelman, S., Barrett, H.L., Callaway, L.K., Dekker Nitert, M. Placental expression of mitochondrial transcription factors is affected by infant gender but not by late onset preeclampsia. SOMANZ annual scientific meeting, Melbourne, 16-18 October. (oral)
  324. Kwan E, Belinda Lee, Hui-Li Wong, Louise Nott, Margaret Lee, Rachel Wong, Allan Zimet, Jeremy Shapiro, Matthew Burge, Lara Lipton, Suzanne Kosmider, Peter Gibbs. Use and impact of bevacizumab in patients undergoing liver resection for metastatic colorectal cancer in routine clinical practice. AGITG 2015. (poster)
  325. Kynoch, K, Chang, AM, Coyer F. 2015 Predicting the needs of family with a relative admitted to an adult critical care unit. 12th International Family Nursing Conference, August 1-21, Odense, Denmark. (oral)
  326. Lai M, D'Acunto G, Guzzetta A, Fripp J, Pannek K, Rose S, Ngenda N, Love P, Whittingham K, Finnigan S, Ware R, Boyd R, Colditz P. PREMM: Preterm Early Massage by the Mother - the effects of massage in very preterm infants. Royal Brisbane Hospital Healthcare Symposium, Brisbane, Oct 2015. (poster)
  327. Lane S. How to get started in research. AMAQ Junior Doctors Conference. Brisbane, June 2015.
  328. Lane S. New approaches to target AML stem cells and delay relapse after chemotherapy. Kids Cancer Alliance. Sydney, 29 August 2015. (invited speaker)
  329. Lane S. New Functional genomics approaches in AML. Leibnitz Institute, Magdeburg, Germany, December 2015. (invited speaker)
  330. Lane S. New targets in AML. UQ Centre for Clinical Research invited speaker series. Brisbane, April 2015. (invited speaker)
  331. Lane S. Oncogenic transformation of haematopoietic stem cells to AML by Cdx2. Leibnitz Institute, Magdeburg, Germany, December 2015. (invited speaker)
  332. Lane S. Research Excellence in Cancer Care. RBWH Cancer Care Services Research Symposium. Brisbane, July 2015. (invited speaker)
  333. Lane S. Stem Cells. FASEB Hematologic Malignancies. Saxtons River, Vermont, July 2015. (invited speaker)
  334. Lane S. Telomerase inhibition is a novel strategy to deplete AML stem cells. FASEB Hematologic Malignancies. Saxtons River, Vermont, July 2015. (invited speaker)
  335. Lane S. Telomerase inhibition is a novel strategy to deplete AML stem cells. Memorial Sloan Kettering Institute. New York, July 2015. (invited speaker)
  336. Lane S. Telomerase inhibitors to treat AML and prevent relapse after chemotherapy. HSA NZ Qld Annual Scientific Meeting. Brisbane, March 2015. (invited speaker)
  337. Lane S. Telomerase inhibitors to treat AML and prevent relapse after chemotherapy. CMRI. Sydney, June 2015. (invited speaker)
  338. Lane S. Telomerase to deplete LSCs in Acute Myeloid Leukemia. American Society of Haematology Annual Meeting – Workshop on Myeloid Development. Orlando Florida, December 2015. (invited speaker)
  339. Lane S. Translational clinic research. Australasian Leukemia and Lymphoma Group. Brisbane, May 2015. (invited speaker)
  340. Lathouras M. Shaped Breast and Chest Wall Treatments on Tomotherapy. ASMMIRT, Wellington, New Zealand, July 2015. (oral)
  341. Latter M. Automated production of 68Ga radiopharmaceuticals: The RBWH experience using the scintomics GRP® synthesiser 45th ANZSNM ASM, Brisbane. (oral)
  342. Lawrence N, Toner G, Martin A, Stockler M, Yeung A, Wong N, Thomson D, GebSKI V, Yip S, King M, Friedlander M, Quinn D, Tan TH, Chan H, Hanning F, Weickhardt A, Jeffery M, Stevanovic A, Hovey E, Wyld D, Davis I, Grimison P, and on behalf of ANZUP: A randomised phase 3 trial of accelerated versus standard BEP chemotherapy for patients with intermediate and poor-risk metastatic germ cell tumours: The P3BEP Trial (ANZUP 1302) (#266). Clinical Oncology Society of Australia Annual Meeting, Hobart Australia: 11/2015. (poster)
  343. Lee, B. 1 2, Hui-Li Wong, Jeanne Tie, Rachel Wong, Margaret Lee 5, Louise Nott, Jeremy Shapiro, Ross Jennens, Natalie Turner, Ben Tran, Sumi Ananda, Desmond Yip, Gary Richardson, Phillip Parente, Lionel Lim, Greg Stefanou, Matthew Burge, Mahesh Iddawela, Jeremy Power, Peter Gibbs. Impact of Anti-VEGF therapy in metastatic colorectal cancer with an intact primary tumour. AGITG 2015. (poster)



344. Leggett B. "Risk of neoplasia after serrated polyps excision" World Endoscopy Organisation Colorectal cancer Screening Meeting, Digestive Diseases Week, 2015, Washington USA. (oral international invited lecture)
345. Leggett B. "What the gastroenterologist needs to know about genomics" Gastro 2015, Brisbane. (oral national invited lecture)
346. Liew K, Cullen O, Ekanayake D, Wright P, Beckman K, McIntyre D, Fenech M, Skoien R. The Hepatoma and Compensated Cirrhotic Follow-up (HACC-FOL) programme – a new streamlined, safe and cost-effective model of hepatocellular carcinoma surveillance. Australian Gastroenterology Week/ World Gastro. Brisbane, September 2015. (oral)
347. Lin A, Kwan C, Guppy-Coles K, Dooris M, Thomas L, Dahiya A, Atherton J, Prasad S. Impact of infarct size on left ventricular diastolic function following acute myocardial infarction. *Heart Lung Circ* 2015;24:S151.
348. Lin A, Kwan C, Guppy-Coles K, Sippel J, Atherton J, Prasad S. Impact of infarct size on left ventricular diastolic function following acute myocardial infarction. American Heart Association Scientific Sessions, Orlando, Florida, November 2015 (accepted abstract).
349. Lingwoodock, D., Hodges, A. Overview of Indigenous PEPA. Indigenous Patient Journey Forum. Aboriginal and Torres Strait Islander Health Unit. RBWH, Herston, Australia, 23rd – 24th July 2015.
350. Lloyd R, Grover S, Parnham SF, Lou PW, Bradbrook C, Yeates L, Correnti G, Haan E, Atherton JJ, Semsarian C, Selvanayagam J. Preclinical alterations in cardiac energetics amongst sarcomere mutation carriers in hypertrophic cardiomyopathy. *Journal of Cardiovascular Magnetic Resonance* 2015;17(Suppl 1):O83. doi:10.1186/1532-429X-17-S1-O83.
351. Lo B, M Lindner, X Wang, R Wilkinson, A Kassianos and H Healy. Increased tubulointerstitial recruitment of human lymphocyte subsets in renal fibrosis and chronic kidney disease. abstract and poster, Brisbane Immunology Group Meeting 20-21 August 2015 Gold Coast Australia. (poster)
352. Lust K. Gestational Diabetes, Royal College of Obstetrics and Gynaecology and Royal Australian and New Zealand College Obstetrics and Gynaecology Annual Scientific Meeting, Brisbane April 2015.
353. Lust K. Preeclampsia has many faces – Royal College of Obstetrics and Gynaecology and Royal Australian and New Zealand College Obstetrics and Gynaecology, Annual Scientific Meeting, Brisbane April 2015.
354. Lwin Z. "Long Term and Late Effects of Cancer and Treatment". Cancer Council Queensland Survivorship Seminar. Brisbane, Australia. July 2015. (invited speaker)
355. Lwin Z. Integrating qualitative research into cancer care. 24th Annual RBWH Healthcare Symposium. Brisbane, Australia. October 2015. (invited speaker)
356. Lwin Z. Lost in Translation. 8th COGNO Annual Scientific Meeting. Brisbane, Australia. October 2015. (invited speaker)
357. M Armin, H De Visser, G Chetty, C Dumas, D Conlan, F Grimpen, O Salgado. "Visibility Map: A new Method in Evaluating Quality of Optical Colonoscopy" Medical Image Computing and Computer Assisted Interventions International Conference, Munich, Germany. Oct 2015. (oral)
358. M Bettington, N Walker, C Rosty, I Brown, A Clouston, D Mckeone, S Pearson, B Leggett, V Whitehall. Clinicopathological and molecular features of sessile serrated adenomas with dysplasia and carcinoma differ by mismatch repair status. Australian Gastroenterology Week, 2015. (poster)
359. M Bettington, N Walker, Vicki Whitehall, Ann Vandeleur, Tony Rahman, Barbara Leggett, John Croese. Sessile serrated adenomas are highly prevalent in an outpatient population, Australian Gastroenterology Week, 2015, Abstract published in *Journal of Gastroenterology and Hepatology* 30, 30-30. (oral)
360. Mahmood U, Hoy WE, Kark A, Healy HG, Mallett A, Rawlings C, Wang Z, Kirby J, Coleman S, Cameron A. Profiles of very elderly patients with chronic kidney disease (CKD) in the public renal specialty practices of the RBWH (RBWH) in Queensland. *Nephrology* 2015;20:65 abstract 176. 51st Annual Scientific Meeting Australian and New Zealand Society of Nephrology; 2015 September 6-9; Canberra, Australia. (poster)
361. Mahmood U, Hoy WE, Kark A, Healy HG, Mallett A, Rawlings C, Wang Z, Kirby J, Coleman S, Cameron A. Heterogeneity of Chronic Kidney Disease (CKD) by age in an Australian metropolitan renal service. *Nephrology* 2015;20:65 abstract 174. 51st Annual Scientific Meeting Australian and New Zealand Society of Nephrology; 2015 September 6-9; Canberra, Australia. (poster)
362. Mallett A, Hoer S, John G, Burke J, Patel C, Crawford J, Hyland V, Healy H, Little M, Simons C, Connor T, Maxwell P. The T616C TRNA(PHE) mutation causes mitochondrially inherited tubulointerstitial kidney disease. *Nephrology* 2015;20:41 abstract 087. 51st Annual Scientific Meeting Australian and New Zealand Society of Nephrology; 2015 September 6-9; Canberra, Australia. (mini-oral and poster)
363. Mallett A, Mordaunt D, Crafter S, Coates D, McTaggart S, Kark A, Patel C, Crawford J, Holman K, Ho G, Healy H, Alexander S, Bennetts B, Little M, Simons C. The heterozygous R76W HNF4A variant is associated with atypical dominant De Toni-Fanconi-Debré Syndrome and can be diagnosed utilising diagnostic exomic analysis. *Nephrology* 2015;20:41 abstract 088. 51st Annual Scientific Meeting Australian and New Zealand Society of Nephrology; 2015 September 6-9; Canberra, Australia. (mini-oral and poster)
364. Mallett A, Mordaunt D, Trnka P, Patel C, Crawford J, Holman K, Ho G, Alexander S, Bennetts B, Healy H, Little M, Simons C, Lee J. RMND1 mutations are associated with autosomal recessive syndromic nephropathy. *Nephrology* 2015;20:42 abstract 089. 51st Annual Scientific Meeting Australian and New Zealand Society of Nephrology; 2015 September 6-9; Canberra, Australia. (mini-oral and poster)
365. Mallett A, Patel C, Crawford J, Bennetts B, Little M, Healy H, Alexander S, Hyland V, Simons C. Massively Parallel Sequencing (MPS) in diagnostically refractory Genetic Renal Disease (GRD). *Journal of the American Society of Nephrology Supplement* 2015;26:xx abstract 2598. *Kidney Week American Society of Nephrology*; 2015 November 3-8; San Diego USA. (oral)
366. Mallett A. Characteristics and Initial Outcomes of a Multidisciplinary Renal Genetics Clinic (RGC). *Journal of the American Society of Nephrology* 2015;26(abstract edition):12A.
367. Mallett A. Massively Parallel Sequencing (MPS) in Diagnostically Refractory Genetic Renal Disease (GRD). *Journal of the American Society of Nephrology* 2015;26(abstract edition):46A. *Kidney Week American Society of Nephrology*; 2015 November 3-8; San Diego USA. (oral)
368. Mallett A. Patient-Derived Induced Pluripotent Stem Cell (iPSC) Modeling of Genetic Renal Disease (GRD). *Journal of the American Society of Nephrology* 2015;26(abstract edition):12A. *Kidney Week American Society of Nephrology*; 2015 November 3-8; San Diego USA. (oral)
369. Mallett A. RMND1 mutations are associated with autosomal recessive syndromic nephropathy. *Nephrology* 20(S3). 51st Annual Scientific Meeting Australian and New Zealand Society of Nephrology; 2015 September 6-9; Canberra, Australia. (oral)
370. Mallett A. The heterozygous p.R76W HNF4A variant is associated with atypical autosomal dominant de Toni-Fanconi-Debre Syndrome and can be diagnosed utilizing diagnostic clinical exomic analysis. *Nephrology* 20(S3). 51st Annual Scientific Meeting Australian and New Zealand Society of Nephrology; 2015 September 6-9; Canberra, Australia. (oral)
371. Mallett A. The T616C tRNA(Phe) mutation causes mitochondrially inherited tubulointerstitial kidney disease. *Nephrology* 20(S3). 51st Annual Scientific Meeting Australian and New Zealand Society of Nephrology; 2015 September 6-9; Canberra, Australia. (oral)
372. Mar Fan. H. Genetic Health Queensland's approach to Familial Cancer.... Brisbane Cancer Conference 2015. (invited speaker)
373. Marsh N. Dressing and securement of peripheral venous catheters. National NCREN Skin Integrity Symposium. Brisbane 31st July 2015. (invited speaker)
374. Marsh N. Peripheral IV dressing and securement: what works, what's new and what we need to do. World Congress Vascular Access (WoCoVA 2015 "Special Event") 28 – 29th May 2015, Hong Kong. (invited co-speaker)
375. Marsh N. Peripheral Venous Catheter Dressing Securement: Results from a 4-group randomized controlled trial of 1708 patients in 2 hospitals. Association for Vascular Access (AVA) Conference, Dallas, 26-29 September 2015. (invited speaker)
376. Marshall S, Isenring E., Young A, Bauer J. Construct validity of nutrition screening tools in geriatric rehabilitation: support for the malnutrition screening tool (MST) but not the mini nutritional assessment-short form (MNA-SF). National Dietitians Association of Australia 32nd National Conference. Perth. (poster)
377. Matias F, Gollo LL, Carelli P, Copelli M, Mirasso C, Breakspear M. Reconstructing the directionality of coupling between cortical populations with negative phase lag. Computational Neuroscience Meeting; Prague, Czech Republic. 18–23 July 2015. (poster)
378. Matusiak K, Barrett HL, Dekker Nitert M, Callaway LK (2015) Can neonatal stress reactivity be reliably measured in the context of routine care? Salivary cortisol and the neonatal heel stick RCOG world congress, April, Brisbane. *BJOG* 122 pg 289. (eposter)
379. Matusiak K, Barrett HL, Dekker Nitert M, Callaway LK. Can neonatal stress reactivity be reliably measured in the context of routine care? Salivary cortisol and the neonatal heel stick RCOG world congress, April, Brisbane. *BJOG* 122 pg 289. (eposter)
380. McCaffrey, N., Hardy, J. Cost-effectiveness of subcutaneous ketamine in the management of chronic pain. 13th Australian Palliative Care Conference. Melbourne Convention and Exhibition Centre, Melbourne, Australia, 1st – 4th September 2015. (oral)
381. McKeage M, Hughes B, Markman B, Hidalgo M, Millward M, Jameson M, Harris

- D, Stagg R, Kapoun A, Holmgren E, Dupont J, Kotasek D. A phase 1b study of the anti-cancer stem cell agent demcizumab (DEM), pemetrexed (PEM) and carboplatin (CARBO) in patients with 1st line non-squamous NSCLC. AACR 2015. (poster)
382. Michael M, Pavlakis N Wyld D, Link E, Liauw W, Kuru N, Hicks R. A phase II study of everolimus in patients with FDG-PET Positive intermediate grade (Ki67 3-20%) pancreatic neuroendocrine tumour. European Neuroendocrine Tumour Society 12th Annual Conference, Barcelona Spain; 03/2015. (poster)
383. Midori Nakagaki, Michael Barras, Cameron Curley, Glen Kennedy. A randomised trial of olanzapine and palonosetron versus infused ondansetron for the treatment of chemotherapy-induced nausea and vomiting (CINV) in patients undergoing haematopoietic stem cell transplantation (HSCT). Haematology Society of Australia and New Zealand Annual Scientific Meeting. Adelaide SA, October 2015. (oral)
384. Midori Nakagaki, Michael Barras, Cameron Curley, Jason Butler, Glen Kennedy. A randomized trial of olanzapine and palonosetron versus infused ondansetron for the treatment of chemotherapy induced nausea and vomiting in patients undergoing hematopoietic stem cell transplantation. Blood 2015; 126 (23): 1910. American Society of Hematology 56th Annual Meeting, Orlando, USA, December 2015. (poster)
385. Milazi M, Bonner A, Douglas C. The effectiveness of education or behavioural interventions on adherence to phosphate control in adults receiving haemodialysis: A systematic review. 43rd annual conference Renal Society of Australasia; 2015 June 15-17; Perth, Australia. (poster)
386. Milazi M, Bonner A, Douglas C. The effectiveness of education or behavioural interventions on adherence to phosphate control in adults receiving haemodialysis A systematic review. Poster presented at RBWH Healthcare Symposium; 2015 October 12-16; Brisbane, Australia. (poster)
387. Milford EM, Reade MC. Australian RDCR Research Update (Coagulopathy Models, TXA Clinical Trial and Cryopreserved Platelet Trials). Remote Damage Control Resuscitation Symposium, Bergen, 2015
388. Milford EM, Siminova G, Tung JP, Reade MC, Fraser JF. The development of a cryopreserved sheep red blood cell protocol for use in sheep models of trauma. Remote Damage Control Resuscitation Symposium, Bergen, 2015.
389. Milford EM, van Zyl N, Diab S, Simonova G, Dunster K, Tung JP, Reade MC, Fraser JF. Blood lactate levels are more predictive of coagulopathy than blood pressure in an ovine model of trauma and haemorrhage. United States Military Health Service Research Symposium, 2015.
390. Mimi Yue, Joel Collins, Elango Subramonipillai, Kirk Morris, Glen Kennedy. Use of oseltamivir in managing a nosocomial outbreak of influenza A in a haematology and allogeneic stem cell transplant unit. Haematology Society of Australia and New Zealand Annual Scientific Meeting. Adelaide SA, October 2015. (oral)
391. Mitchell M. Traversing the space between threats and violence, Australian Psychological Society Forensic Conference, Sydney, April 18, 2015. (oral)
392. Moroney L, Helios J, Burns C, Spurgin A, Crombie J, Ward L, Blake C, Hughes B, Kenny L. Comparison of effects of (chemo)Tomotherapy versus 3D conformal radiotherapy on the non surgical larynx and hypopharynx. WCLC Cairns 2015. (poster)
393. Moutrie Z. Commissioning and assessment of a commercial brachytherapy plan checking program. Australasian Brachytherapy Group Conference. Sydney, Australia, March 2015. (poster)
394. Moutrie Z. Commissioning of an interstitial and intracavitary applicator for gynecological treatments. Australasian Brachytherapy Group Conference, Sydney, Australia, March 2015. (poster)
395. Mudge A, McRae P, Donovan P, Reade M, Jenkins J, Foster M, Walker P. Improving care and outcomes for older vascular surgical patients. ANZ Society for Vascular Surgery conference, Hawaii, 2015
396. Mudge A. "Building supportive environments for research in general medicine". Internal Medicine Society of Australia and New Zealand National Meeting Gold Coast September 2015. (invited speaker)
397. Mudge A. "Implementing improved care for hospitalized seniors" Senior Friendly Hospitals ACTION improvement 3 day workshops Toronto April 2015. (invited international plenary speaker)
398. Mudge A. "Improving care and outcomes of older vascular surgical patients" Australia New Zealand Society for Vascular Surgery/Western Vascular Society combined meeting. Hawaii 2015. (oral)
399. Mudge A. "Preventing the rebound: reducing unplanned readmissions" Internal Medicine Society of Australia and New Zealand National Meeting Gold Coast September 2015. (invited speaker)
400. Mudge A. "The pointy end: can we prevent hospital admissions for chronic disease?" Australian Disease Management Association National Meeting Brisbane September 2015. (invited plenary speaker)
401. Murray J, Juffs P, Ratanjee SK. Trends in nutritional status of centre-based haemodialysis patients: a 12 year audit from 2003 to 2014 at the RBWH and its satellite unit at Redcliffe Hospital. Paper presented at: World Congress of Nephrology; 2015 March 13-17; Cape Town South Africa. (oral and poster)
402. Neale R, Burmeister E, O'Connell D, Beesley V, Goldstein D, Gooden H, Janda M, Jordan S, Merrett N, Payne M, Wyld D. Describing patterns of care in pancreatic cancer – A population-based study. European Pancreatic Club Annual Meeting 2015, Toledo, Spain; 06/2015. (poster)
403. Neale R, Waterhouse M, Burmeister E, Ballard E, O'Connell D, Beesley V, Goldstein D, Gooden H, Janda M, Jordan S, Merrett N, Payne M, Wyld D. Determinants of outcomes following resection for pancreatic cancer – An Australian population-based study. European Pancreatic Club Annual Meeting 2015, Toledo, Spain; 06/2015. (poster)
404. Nelson, C., Banks, M., Hannan-Jones, M. and Finlayson, K. (2015). Great expectations for nutrition in chronic wound healing: a literature review. Australian Wound Management Association Qld State Conference. Brisbane. (oral)
405. Newbold K, Eliser R, Taylor M, Kryzanowska M, Shah M, Hoff A, Robinson B, Ductus C, Song J, Hughes B, Habra M. Efficacy and safety of lenvatinib for the treatment of patients with 131I-refractory differentiated thyroid cancer with and without prior VEGF-targeted therapy. COSA 2015. (poster)
406. Ngo, Shyuan. "Altered fatty acid metabolism in neurodegeneration: studies in amyotrophic lateral sclerosis (ALS)". ENDO 96th Annual Meeting. The Endocrine Society. San Diego, USA. (oral)
407. Ngo, Shyuan. "Motor Neuron Disease: more than just a neurological disease". Medical Grand Rounds. Translational Research Institute. Brisbane, Australia. (invited speaker)
408. Ngo, Shyuan. "Neurodegeneration: a metabolic perspective". Brisbane Diamantina Health Partners Metabolic Research Collaborative. Brisbane, Australia. (invited speaker)
409. Ngo, Shyuan. "Neurodegeneration: an endocrine and metabolic perspective". Australian Women in Endocrinology / Australasian Neuroendocrine Group Symposium (as part of the Endocrine Society of Australia and The Society of Reproductive Biology (ESA-SRB) Combined Annual Scientific Meeting). Adelaide, Australia. (invited speaker)
410. Ngo, Shyuan. "Fuelling the fight against MND". MND Association of Queensland State Conference. Brisbane, Australia. (invited speaker)
411. Nguyen VT, Breakspear M, Guo CC. (2015) Hierarchical processing of the insula cortex during naturalistic emotional audition. Brain Connectivity Workshop, San Diego, USA. 10-13 June 2015. (poster)
412. Nguyen VT, Breakspear M, Guo CC. (2015) Hierarchical processing of the insula cortex during naturalistic emotional audition. Human Brain Mapping Conference, Hawaii, 14-18 June 2015. (poster)
413. Nguyen VT, Sonkusare S, Breakspear M, Guo CC (2015). The role of the cerebellum in predictive coding during dynamic mental processes. SCINDU: Systems and Computational Neuroscience Down Under, Brisbane, Australia. 15-17 December 2015. (poster)
414. Nicholas Weber. Short and long case preparation for examination in Haematology. 2015 Clinical Examination Preparation Programme (CEPP), Princess Alexandra Hospital. Brisbane, May 2015. (invited speaker)
415. Northfield S, Marsh N, Gavin NC, Hancock PR, Button E, Larsen E, Rickard CM, Chan RJ. The Challenges of Conducting Clinical Research on Central Venous Access Devices. 18th CNSA Winter Congress 2015. (oral)
416. Northfield S, Marsh N, Gavin NC, Hancock PR, Button E, Larsen E, Rickard CM, Chan RJ. The Challenges of Conducting Clinical Research on Central Venous Access Devices. Association for Vascular Access 29th Annual Scientific Meeting. (oral)
417. Northfield S, Marsh N, Gavin NC, Hancock PR, Button E, Larsen E, Rickard CM, Chan RJ. Securement Power Hour - Part 1: Sticky Solutions: Preliminary Results Evaluating New Technology for CVAD Securement. Invited Speaker. Association for Vascular Access (AVA), 29th Annual Scientific Meeting 2015. (oral)
418. Northfield S, Marsh N, Gavin NC, Hancock PR, Button E, Larsen E, Rickard CM, Chan RJ. The Challenges of Conducting Clinical Research on Central Venous Access Devices. Gold Coast Nursing and Midwifery Symposium 2015. (oral)
419. Novartis National Heart Failure Advisory Board, Melbourne, August 2015. Topic: Update on TITRATION.
420. O'Leary S. Allied Health Screening Pathways: Innovative Research Frontiers – Neurosurgical/Orthopaedic Physiotherapy Screening Clinic and Multidisciplinary Service. CAHLI Conference, The Prince Charles Hospital, Australia (20th May 2015). (invited speaker)

421. O'Leary S. Challenges in the evaluation of muscle function and implications for the management of neck pain, Australian Physiotherapy Association – Hunter Valley Chapter Dinner, Newcastle, Australia; 10th July 2015. (invited speaker)
422. O'Leary S. Comparative strength and endurance performance of the cervical extensor and flexor muscles in females with and without mechanical neck pain. Musculoskeletal Physiotherapy Australia - 19th Biennial Conference, Melbourne, Australia. 3rd October 2015.
423. O'Leary S. What is the best exercise for neck pain? NSW Branch of the Australian Physiotherapy Association Bringalong Dinner, Sydney, Australia (30th October 2015). (invited speaker)
424. O'Leary S. Why exercise is important in chronic neck pain and whiplash. Public Forum, Newcastle, Australia (9th July 2015). (invited speaker)
425. O'Malia, A., Fox, S., and Masters, A. Social Work at the Coal Face in Management of Disaster Recover Work: Ravenshoe 2015. 24th Annual Healthcare Symposium RBWH October 2015. (poster)
426. O'Neil A, Fisher AJ, Kibbey K, Jacka FN, Kotowicz MA, Williams LJ, Stuart A, Berk M, Lewandowski PA, Atherton JJ, Taylor CB, Pasco JA. The addition of depression to the Framingham Risk Equation model improves risk prediction for coronary heart disease in women. Society for Mental Health Research (SMHR) 2015 Conference, Sofitel Brisbane Hotel, Brisbane, December 2015. (oral)
427. O'Neil A, Fisher AJ, Kibbey K, Jacka FN, Kotowicz MA, Williams LJ, Stuart A, Berk M, Lewandowski PA, Atherton JJ, Taylor CB, Pasco JA. Depression is a risk factor for incident coronary heart disease in women: an 18-year longitudinal study. Society for Mental Health Research (SMHR) 2015 Conference, Sofitel Brisbane Hotel, Brisbane, December 2015. (oral)
428. O'Rourke N. "Advanced Laparoscopic Liver Surgery"; Hangzhao, China. November 2015. (invited speaker)
429. O'Rourke N. "Laparoscopic HPB Surgery"; Kandy, Sri Lanka. August 2015. (invited speaker)
430. O'Rourke N. "Laparoscopic Right Hepatectomy"; Korea, ELSA. September 2015. (invited speaker)
431. O'Rourke N. "Methods of hepatic parenchymal transection"; Amsterdam (Medtronic workshop). May 2015. (invited speaker)
432. O'Rourke N. "The classification of Biliary Strictures", "Laparoscopic Hepatectomy"; Singapore Asia/Pacific HPBA meeting April 2015. (invited speaker)
433. Obermair A. How to conduct audit in your practice or institution. BJOG-An International Journal of Obstetrics and Gynaecology. Volume: 122, Special Issue: SI Supplement: 1 Pages: 406-406. Meeting Abstract: H2.02 Published: April 2015
434. Osland E. Comparison of 12 month postoperative excess weight loss outcomes following LSG and LRYGB: A systematic review and meta-analysis. Royal Australasian College of Surgeons 84th Annual Scientific Congress 2015; May; Perth 2015. (poster)
435. Osland E. Comparison of diabetes resolution following LSG and LRYGB procedures: A meta-analysis and systematic review. Royal Australasian College of Surgeons 84th Annual Scientific Congress 2015; May; Perth 2015. (poster)
436. Osland E. Major and minor complications in LSG versus LRYGB procedures: A meta-analysis. Royal Australasian College of Surgeons 84th Annual Scientific Congress; May; Perth 2015. (oral)
437. Osland, E., Yunus, R.M., Khan, S., Alodat, T., Memon, B., Memon, M.A. (2015). Postoperative early major and minor complications in LSG versus LRYGB procedures: A Meta-analysis and Systematic Review. Second International Conference on Theory and Application of Statistics Dhaka, Bangladesh. (oral)
438. Ou S, Ahn J, Petris L, Do P, Govindan R, Yang J, Hughes BGM, Lena H, Moro-Sibilot D, Bearz A, Ramirez S, Mekhail T, Spira A, Zeaiter A, Bordogna W, Balas B, Golding S, Kim D. Efficacy and safety of the second-generation ALK inhibitor alectinib in ALK+ non-small cell lung cancer (NSCLC) patients who have failed prior crizotinib; an open label, single-arm, global phase 2 study (NP28673). ASCO 2015. (poster)
439. Ou SH, Shaw A, Gandhi L, Camidge DR, Kim D, Hughes BGM, Yang J, Lena H, Golding S, Bordogna W, Zeaiter A, Gadgeel S. Assessing central nervous system (CNS) response to alectinib in two phase II studies of pre-treated ALK+ non-small cell lung cancer (NSCLC): RECIST versus RANO criteria. SNO 2015. (poster)
440. Packham E, Williams J, Shanks M, Clouston P, Matten H, Nemeth A, Vogt J, McGaughan J, Sellar A. A comprehensive molecular diagnostic service for Joubert syndrome and related disorders. European Society of Human Genetics meeting. Glasgow, June 2015. (poster)
441. Paratz J, Leung B, Stockton K, Muller M, Younger J. Does burn injury increase cardiovascular risk? CRPA Conference Gold Coast, October 2015. (oral)
442. Paratz J, Younger J, Paul S, Leung B, Muller M, Stockton K. Mortality in burn survivors – need for increased follow up ANZBA Melbourne, October 2015. (oral)
443. Paratz J. Intensive care follow-up Advanced Mechanical Ventilation Melbourne July 2015. (invited speaker)
444. Paratz J. Optimization of the intensive care patient from intensive care to home CRPA Conference Gold Coast, October, 2015. (invited speaker)
445. Parker SL, Guerra Valero YG, Roberts JA, Lipman J, Smith C, Russell L, Smith P, Wallis SC. A validated UHPLC-MS/MS method for measurement of riluzole in plasma and cardiac tissue samples. Australasian Pharmaceutical Science Association and Australasian Society for Clinical and Experimental Pharmacologists and Toxicologists (APSA-ASCEPT) Joint Scientific Meeting, Hobart, November-December 2015.
446. Parker SL, Roberts JA, Dhanani J, Lipman J, Wallis SC. LC-MSMS method to describe the pharmacokinetics of aerosolised lincomycin and tobramycin at the site of infection. Australasian Pharmaceutical Science Association and Australasian Society for Clinical and Experimental Pharmacologists and Toxicologists (APSA-ASCEPT) Joint Scientific Meeting, Hobart, November-December 2015.
447. Parker SL, Roberts JA, Lipman J, Wallis SC. A suite of LC-MSMS assays to investigate pharmacokinetics of vancomycin in renal replacement therapy. Australasian Pharmaceutical Science Association and Australasian Society for Clinical and Experimental Pharmacologists and Toxicologists (APSA-ASCEPT) Joint Scientific Meeting, Hobart, November-December 2015.
448. Parker SL, Roberts JA, Lipman J, Wallis SC. Translating innovative techniques of microsampling into clinical pharmacokinetic studies for fosfomycin in critically ill patients. Australasian Pharmaceutical Science Association and Australasian Society for Clinical and Experimental Pharmacologists and Toxicologists (APSA-ASCEPT) Joint Scientific Meeting, Hobart, November-December 2015.
449. Parsonage W. The patient with acute chest pain of possible coronary origin in ED – who can go, who needs to stay, what tests are best in excluding ACS? Annual Scientific Meeting of the Internal Medicine Society of Australia and New Zealand, Gold Coast, Australia 2015.
450. Parsonage W. Translation of an Accelerated Diagnostic Protocol for chest pain on a grand scale. Australasian College for Emergency Medicine 32nd Annual Scientific Meeting, 2015
451. Patel C. Chromosome microarrays. Queensland Maternal Fetal Medicine Meeting. Brisbane, March 2015
452. Patel C. Genetics of TSC. Australian TSC Conference. Sydney, November 2015. (oral)
453. Patel C. Queensland Renal-Genetics clinic outcomes. 51st Australian and New Zealand Society of Nephrology Annual Scientific Meeting. Canberra, September 2015. (oral)
454. Pathé M and Mulder M. A joint police-mental health diversionary model for managing fixated persons at major events. European Network of Public Figure Threat Assessment Agencies, 29 June-1 July 2015. London, UK. (oral)
455. Pathé M. Fixation and Public Figure Harassment. A 1-day workshops in July and October 2015 (Perth, Canberra, and Melbourne). (oral)
456. Pathé M. Mental health practice in a terrorist age. Shifting Landscapes and New Horizons in Forensic Mental Health. 2015 Forensic Mental Health Forum, Brisbane. (oral)
457. Patrick, Desmond; Emma Ballard; Peter O'Rourke; Mariko Howlett; Graham Radford-Smith. "Comparing colectomy rates in treatment naïve versus treatment experienced patients with acute severe ulcerative colitis". Australian Gastroenterology week 2015. (oral)
458. Patrick, Desmond; Emma Ballard; Peter O'Rourke; Richard Cheng; Graham Radford-Smith. "Comparing colectomy rates and value of early predictive indices in treatment naïve versus treatment experienced patients with acute severe colitis". 19th Annual GESA Noosa update 2015. (oral)
459. Peiris HN, Salomon C, Vaswani K, Duncombe G, Rice G, Mitchell MD. Interlukin – 2 Production by First Trimester Placental Explants is Regulated by Myostatin and Oxygen Tension. (2015). Society for Gynecologic Investigation 62nd Annual Scientific Meeting, San Francisco, CA United States, (380A-380A) March 2015. Reproductive Sciences Vol. 22, Supplement 1, March 2015
460. Pender A, Rose C, Chong C, Macpherson I, McKenzie D. Assessment of auditory neuropathy in Friedreich's Ataxia clinic patients. RBWH Symposium, Brisbane, October 2015. (poster)
461. Peterman D, King L, Chan R, Gavin NC, McKiernan S, Curtis K, Edwards R, Van Kullenburg, Rickard C and Fullerton F (2015) Collaborative review of evidence-



- based guidelines in central venous access device management. Gold Coast Nursing and Midwifery Symposium 2015. (oral)
462. Peterman D, King L, Chan R, Gavin NC, McKiernan S, Curtis K, Edwards R, Van Kuilenburg, Rickard C and Fullerton F (2015) Collaborative review of evidence-based guidelines in central venous access device management. 18th CNSA Winter Congress 2015. (oral)
  463. Peters, G, Inglis P, Bettington C, Colditz M, Jeffree R, Lwin Z Experience of Procarbazine, Lomustine and Victristine (PCV) Chemotherapy in Low-Grade and High-Grade Glioma in the real-world setting. 24th Annual RBWH Healthcare Symposium 2015. (poster)
  464. Phillips-Yelland JA, Barrett HL, Callaway LK, Fagermo ND, Wolski P, Lott A, Lust KM. A clinical audit of the indications and usage of MgSO<sub>4</sub> in the management of severe pre-eclampsia at the RBWH RCOG world congress, April, Brisbane (eposter), BJOG 122 pg 295.
  465. Plunkett M, Buttrum P, Banks M. Allied Health Specialist Outpatient Clinics: New models of care to enhance care, drive throughput and reduce wait lists. RBWH Healthcare Symposium, October 2015 (poster)
  466. Presneill J. ANZICS Clinical Trials Group and ANZICS Centre for Outcome and Resource Evaluation (ANZICS CORE). Critical Care Health Services Research Forum, Rydges Hotel, Sydney Airport, 03 March 2015.
  467. Presneill J. ANZICS/ACCCN 2015 Annual Scientific Meeting, Auckland, New Zealand. Friday 30 October 2015, ANZICS CTG session 13:30h – 15:30h. EPO-TBI: Erythropoietin in Traumatic Brain Injury RCT Result.
  468. Presneill J. College of Intensive Care Medicine of Australia and New Zealand. (CICM) Primary Short Course, Mater Hospital Brisbane, 13th July 2015.
  469. Presneill J. Health Ethics and Law (HEAL; Queensland chapter of Australasian. Association of Bioethics and Health Law, the University of QLD Medical School and QLD University of Technology Faculty of Law). QUT Gardens Point Campus, Brisbane 2015.
  470. Radford-Smith G. "Mucosal healing as the major clinical endpoint". 9th National IBD Symposium, St Vincent's Hospital, 2015, Melbourne, Australia.
  471. Radford-Smith G. "Stringent phenotyping in human genetic and gene expression studies – lessons from the Inflammatory Bowel Diseases". GESA workshop May 2015, Bowral, NSW.
  472. Radford-Smith G. "Telehealth for Inflammatory Bowel Disease" – GASTRO 2015. (invited speaker)
  473. Ramin C, Barrett HL, Callaway LK, Dekker Nitert M. (2015). Hexosamine signaling pathway gene expression is increased in women with gestational diabetes mellitus (GDM). International Federation of Placenta Associations annual scientific meeting, Brisbane, 8-11 September. (poster)
  474. Ramin C, Callaway L, Barrett H, Dekker Nitert M. (2015) Increased placental expression of hexosamine signaling pathway genes in placenta from women with gestational diabetes mellitus (GDM). Diabetes in Pregnancy symposium, April 15-18, Berlin, Germany. (poster)
  475. Ramin C, Dekker Nitert M, Callaway LK, Barrett HL (2015) Expression of hexosamine signaling pathway genes in placenta from women with gestational diabetes mellitus (GDM). Endocrine Society of Australia, Adelaide 23-26 August. (Oral presentation by Barrett).
  476. Reade MC. A little less ordinary: research in critical care and the military. Australasian Medical Association Doctors-in-training Symposium, Brisbane, 2015.
  477. Reade MC. Dexmedetomidine to lessen ICU agitation - the DaHLIA trial. ANZICS Clinical Trials Group Annual Meeting on Clinical Trials in Intensive Care, Noosa, 2015.
  478. Reade MC. Hypertonic solutions in trauma. 35th International Symposium on Intensive Care and Emergency Medicine, Brussels, 2015.
  479. Reade MC. Management of traumatic cardiac arrest. Australasian Trauma Society Annual Scientific Meeting, 2015.
  480. Reade MC. Massive bleeding - the military experience. 35th International Symposium on Intensive Care and Emergency Medicine, Brussels, 2015.
  481. Reade MC. Military vs civilian trauma guidelines: How they differ. 35th International Symposium on Intensive Care and Emergency Medicine, Brussels, 2015.
  482. Reade MC. The next 20 years of ADF Combat Casualty Care. Royal United Service Institute lecture series, Brisbane, 2015.
  483. Reade MC. The PATCH-Trauma trial. Australasian Trauma Society Annual Scientific Meeting, 2015.
  484. Reade MC. Translating battlefield resuscitation to the civilian setting. Australian Resuscitation Council Spark of Life Conference, Melbourne, 2015.
  485. Reade MC. What we learned from military practice. 35th International Symposium on Intensive Care and Emergency Medicine, Brussels, 2015.
  486. Reade MC. Why so many negative trials in trauma? 35th International Symposium on Intensive Care and Emergency Medicine, Brussels, 2015.
  487. Reynolds H. Dressing and Securement of Peripheral Arterial Catheters, Skin Integrity: State of the Evidence Symposium: NHMRC Centre of Research Excellence in Nursing (NCREN). Griffith University, Brisbane Convention Centre, July 2015. (invited speaker)
  488. Reynolds H. Informing Practice of Dressing and Securement of Peripheral Arterial Catheters: Back to the Future. RBWH Symposium September 2015, Australia. (poster)
  489. Reynolds H. Informing Practice of Dressing and Securement of Peripheral Arterial Catheters: Back to the Future. Association for Vascular Access Annual Scientific Meeting, Dallas, Texas September 2015. (oral and poster)
  490. Reynolds H. The changing tides of evidence for dressing and securement of perioperative arterial catheters. Perioperative Nurses Association of Qld (PNAQ) Conference, Twin Waters, April 2015. (oral)
  491. Roberts JA (2015). Bursts in neonatal EEG as a marker of neurological outcome. Université d'Auvergne, France. 7 July 2015. (oral)
  492. Roberts JA, "Antibiotic dosing in the critically ill". Australasian Society for Clinical and Experimental Pharmacologists and Toxicologists Clinical Pharmacology Weekend, Sydney, May 2015
  493. Roberts JA, "Anti-infective therapy in the past, present and in the future - a PK/PD perspective". Stuttgarter Intensivkongress, Stuttgart, Germany, February 2015.
  494. Roberts JA, "Beta-lactam therapeutic drug monitoring in ICU". ANZ Therapeutic Drug Monitoring Workshop, Sydney, May 2015.
  495. Roberts JA, "Can PK/PD get us better outcomes for infected ICU patients?" European Conference on Clinical Microbiology and Infectious Diseases, Copenhagen, Denmark, April 2015.
  496. Roberts JA, "Individualised dosing and therapeutic drug monitoring". Society of Hospital Pharmacists of Australia Critical Care Seminar, Sydney, August 2015.
  497. Roberts JA, Breakspear M (2015). Consistency-based thresholding of the human connectome. OHBM 2015, 21st Annual Meeting of the Organization for Human Brain Mapping, Honolulu, USA. 14-18 June 2015. (poster)
  498. Roberts JA, Breakspear M (2015). Cortical burst dynamics predict clinical outcome early in extremely preterm infants. QIMR Berghofer Scientific Retreat, Surfers Paradise, Australia. 4 Nov 2015. (oral)
  499. Roberts JA, Gollo LL, Breakspear M (2015). Metastable wave patterns on the human connectome. SCINDU: Systems and Computational Neuroscience Down Under, Brisbane, Australia. 15-17 December 2015. (poster)
  500. Roberts JA, Perry A, Lord AR, Roberts G, Mitchell PB, Smith RE, Calamante F, Breakspear M (2015). The role of geometry in determining the connectome's network properties. Brain Connectivity Workshop 2015, San Diego, USA. 10-13 June 2015. (poster)
  501. Roberts JA, Roger C, Wallis SC, Lipman J, Muller L, Lefrant JY. The comparative effects of continuous venovenous haemofiltration vs continuous venovenous haemodiafiltration on the pharmacokinetics of linezolid in critically ill patients. European Conference on Clinical Microbiology and Infectious Diseases, Copenhagen, Denmark, April 2015. (poster)
  502. Roberts JA. "Meet the Experts – Antibiotics and ECMO", Interscience Conference on Antimicrobial agents and Chemotherapy, San Diego, USA, September 2015.
  503. Roberts JA. "Meet the Experts – Individualised antibiotic dosing: a tale of two cities", Interscience
  504. Roberts JA. "My research". European Conference on Clinical Microbiology and Infectious Diseases, Copenhagen, Denmark, April 2015.
  505. Roberts JA. "Optimising drug dosing in acute kidney injury and renal replacement therapies", Australasian Pharmaceutical Science Association and Australasian Society for Clinical and Experimental Pharmacologists and Toxicologists (APSA-ASCEPT) Joint Scientific Meeting, Hobart, November-December 2015.
  506. Roberts JA. "Point prevalence PK studies and the relevance of TDM for beta-lactam antibiotics". 14th International Congress of International Association of Therapeutic Drug Monitoring and Clinical Toxicology, Rotterdam, The Netherlands, October 2015.
  507. Roberts JA. "Precision medicine: Obesity and pharmacotherapy". International Congress of Sepsis and Multi-organ Dysfunction, Weimar, Germany, September 2015.

508. Roberts JA. "Prolonged beta-lactam infusions in the ICU". Stuttgarter Intensivkongress, Stuttgart, Germany, February 2015.
509. Roberts JA. "Prolonged vs continuous application of antibiotics". International Congress of Sepsis and Multi-organ Dysfunction, Weimar, Germany, September 2015.
510. Roberts JA. "The Difficult Patient – How to dose the antibiotics?" Infectious Diseases and Critical Care Conference, The Alfred Hospital and Monash University, Melbourne, September 2015.
511. Roberts JA. "The Pharmacology, PK and PD of Antimicrobials". Society of Hospital Pharmacists of Australia Infectious Diseases Clinical Seminar, Perth, August 2015.
512. Roberts JA. "Therapeutic drug monitoring of beta-lactams in the ICU". European Conference on Clinical Microbiology and Infectious Diseases, Copenhagen, Denmark, April 2015.
513. Roberts JA. "Therapeutic drug monitoring of beta-lactams in the ICU". Université Lyon Short Course on Antimicrobial Monitoring. Lyon, France, April 2015.
514. Roberts N, Ives A, Wyld D, Cubitt A. Patient Understanding of Research in a Medical Oncology Setting (#299). Clinical Oncology Society of Australia Annual Meeting, Hobart Australia: 11/2015. (poster)
515. Robinson H. 2015 RANZCOG Diplomates day "Diabetes in Pregnancy". (invited speaker)
516. Robinson H. 2015 RANZCOG Diplomates day "Thyroid disease in pregnancy". (invited speaker)
517. Robinson HL, Barrett HL, Foxcroft K, Callaway LK, Dekker Nitert M. Prevalence of ketonuria in pregnancy. SOMANZ annual scientific meeting, Melbourne, 16-18 October. (poster)
518. Robyn Western. 10 Years of Change. Australian Clinical Trials Alliance 2015 International Clinical Trials Symposium. Sydney NSW, October 2015. (poster)
519. Roehr AC, Frey OR, Helbig S, Farkas A, Roberts JA, Brinkmann A. Continuous Infusions of Linezolid, a 4-Year Practical Experience with Critically Ill Patients. Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC), San Diego, USA, September 2015. (poster)
520. Rogany A, Banks. M., Tognolini K, Hannon-Jones M. Patient focussed home enteral nutrition services- are we there yet? National Dietitians Association of Australia 32nd National Conference. Perth. (poster)
521. Ross L, Brodrick. J., Ferguson H, Mason B, O'Connell M, de Jersey S. GDM Service review: overweight and obese women need earlier dietetic intervention. National Dietitians Association of Australia 32nd National Conference. Perth. (oral)
522. Ross L, Young. A. Becoming a champion site for Practice-Based Evidence in Nutrition (PEN): Key learnings from the RBWH. Dietitians Association of Australia, 32nd National Conference. Perth. (oral)
523. Rosser S, Duncombe G, Smith M, Scholz-Romero K, Illanes S, Longo S, Mitchell M, Rice G, Salomon C. Exosome Isolated from Plasma in Women Decrease Extravillous Trophoblast Invasion. Proceedings of the Perinatal Society of Australia and New Zealand 19th Annual Congress, April, 2015, Melbourne. Australia. (poster)
524. Russo R, Reid C, Williams N, Williams L, Bonner A. The effectiveness of motivational interviewing for improving treatment adherence in home haemodialysis patients: A randomised control trial. 43rd annual conference Renal Society of Australasia; 2015 June 15-17; Perth, Australia. (poster)
525. Salisbury A, Healy HG, Hoy WE, Kark A, Kirby J, Coleman S, Taylor B, Hart L, Hale J, Abeysekera R, Wang Z on behalf of the CKD.QLD Collaborative. Characteristics of older patients with chronic kidney disease (CKD) in public renal practices in Queensland, Australia. World Congress of Nephrology; 2015 March 13-17; Cape Town, South Africa. (poster)
526. Salomon C, Scholz K, Kobayashi M, Duncombe G, Perez-Sepulveda A, Illanes SE, Longo S, Fortunato S, Mitchell MD, Rice GE. Hypoxia Regulates the Response of Trophoblast-Derived Exosomes to Hypoglycemia and Displays a Different Placental Exosome Profile in Plasma from Patients to Gestational Diabetes Mellitus. (2015). Society for Gynecologic Investigation 62nd Annual Scientific Meeting, San Francisco, CA United States, (257A-258A) March 2015. Reproductive Sciences Vol. 22, Supplement 1, March 2015.
527. Salomon C, Yee S, Sarker S, Scholz K, Duncombe G, Perez-Sepulveda A, Illanes SE, Longo S, Fortunato S, Mitchell MD, Rice GE. Placental-Derived Exosomes Promote Trophoblast Invasion and Spiral Arterial Remodelling – A Possible Role in the Pathophysiology of Pre-Eclampsia. Society for Gynecologic Investigation 62nd Annual Scientific Meeting, San Francisco, CA United States, (290A-290A) March 2015. Reproductive Sciences Vol. 22, Supplement 1, March 2015
528. Sanghi P, Venthurupalli SK, Hoy WE, Healy HG, Fassett RG, Cameron A, Wang Z. CKD.QLD: Major co-morbidities associated with chronic kidney disease (CKD from Toowoomba region. In: Nephrology 2015;20:82 abstract 243. Poster presented at: 51st Annual Scientific Meeting Australian and New Zealand Society of Nephrology; 2015 September 6-9; Canberra, Australia. (poster)
529. Schleiger E, Rowland T, Read S, Wong A, Finnigan S. Early screening for post-stroke cognitive deficits may be informed by degree of EEG alpha slowing. 26th Australasian Meeting of the Stroke Society of Australasia and 11th Australasian Nursing and Allied Health Stroke Conference; SMART STROKES 2015, Melbourne 2015. (oral)
530. Schleiger E, Rowland T, Read S, Wong A, Finnigan S. Prognostication of post-stroke cognitive impairment: The accuracy of a pre-discharge EEG marker. Asia-Pacific Stroke Conference, Brisbane, 2015. (oral)
531. Schleiger E, Rowland T, Read S, Wong A, Finnigan S. Prognostication of post-stroke cognitive impairment: The accuracy of a pre-discharge EEG marker. RBWH Symposium, Brisbane, 2015. (oral)
532. Schleiger E, Rowland T, Wong A, Read S, Finnigan S. Accurate prognostication of post stroke cognitive deficits using age and EEG alpha measures. 24th RBWH Healthcare Symposium. Brisbane, October 2015. (poster)
533. Scholz K, Kobayashi M, Peiris H, Duncombe G, Longo C, Mitchell M, Rice G, Salomon C. Exosomes Isolated from Trophoblast Cells Modulate the Response to Skeletal Muscle Cells to Insulin Under Diabetic Conditions. 2015, 4: pag 17; 27783 - <http://dx.doi.org/10.3402/jev.v4.27783>. Fourth International Meeting of ISEV, ISEV2015, Washington, D.C., USA, 23-26 April 2015.
534. Scott D. GMP practices in a hospital. 45th Australian and New Zealand Society of Nuclear Medicine Annual Scientific Meeting (NZSNM ASM), Brisbane. (poster)
535. Scott J, Duhig M, Hides L. The prevalence and correlates of childhood trauma in patients with early psychosis. Royal Australian and New Zealand College of Psychiatrists (RANZCP) 2015 Congress, Brisbane Australia. (oral)
536. Scott J, Mamun A, Najman J and McGrath JJ. Increased maternal pre-pregnancy BMI is associated with offspring psychosis-related outcomes. 15th International Congress of Schizophrenia Research, Colorado Springs, Colorado. United States. (oral)
537. Scott J, Mamun A, Najman J and McGrath JJ. Increased maternal pre-pregnancy BMI is associated with offspring psychosis-related outcomes. Australasian Society for Mental Health Research, Brisbane Australia. (oral)
538. Scott J. (2015) Psychotic like experiences in the general community. Australasian Schizophrenia Research Conference. (invited plenary speaker)
539. Scott J. Barriers and Options in the Treatment of Schizophrenia in Australia, World Psychiatric Association International Congress, Taipei, Taiwan. (invited speaker)
540. Scott J. Bullying in Australia, Prevention and Intervention Victorian State Branch Conference of the Royal Australian and New Zealand College of Psychiatrists, Lorne, Victoria. (keynote speaker)
541. Scott J. Causes and Care of Anxiety in Adolescents. Association of Counsellors of Catholic Secondary Schools of Queensland (ACSSQ) Annual Conference (Invited Keynote). (oral)
542. Scott J. From consulting rooms to global research: Clinical psychiatrists who research. Royal Australian and New Zealand College of Psychiatrists (RANZCP) 2015 Congress, Brisbane Australia. (invited keynote speaker)
543. Scott J. Neural autoantibodies in psychosis. Lecture at the Lady Cilento Children's Hospital, Brisbane. (oral)
544. Scott J. Optimising recovery in persons with serious mental illness. Invited Workshop PsyAcademy II (Janssen Cilag), Sydney, 24 October 2015. (oral)
545. Scott J. Preventing mental illness in Australian Children and Youth. Australasian Society for Mental Health Research, Brisbane. (keynote speaker)
546. Scott J. Psychosis – What is it and how is it treated? Unravelling Psychosis Consumer and Carer Conference, Brisbane 26 November 2015. (oral)
547. Scott JG, Gillis D, Ryan A, Prain K, Newman M, Wong R, Blum S (2015). The prevalence of autoimmune encephalitis in patients presenting with first episode psychosis RBWH Health Care Symposium, Brisbane Australia. (oral)
548. Sekar R, Khatum M, Barrett H, Duncombe G. Fetal Weight Study. Poster presentation and published in the Proceedings of the RCOG, RANZCOG Joint Annual Congress, April, 2015, Brisbane. (poster)
549. Sekar R. MFM QLD Day March 2015. Accuracy of fetal weight prior to delivery. (invited speaker)
550. Shrimpton NY, Eiby YA, Lumbers ER, Colditz PB, Wright IMR, Duncombe G, Lingwood BE. Cardiovascular and Cerebral Effects of Dopamine and Dobutamine in Preterm Piglets. Oral presentation and published in the Proceedings of the Perinatal Society of Australia and New Zealand 19th

- Annual Congress, April, 2015, Melbourne. (oral)
551. Shrimpton NY, Eiby YA, Lumbers ER, Colditz PB, Wright IMR, Duncombe G, Lingwood BE. Cardiovascular and cerebral effects of dopamine and dobutamine in preterm piglets. Annual Congress of the Perinatal Society of Australia and New Zealand, Melbourne, Australia. 2015. (oral)
  552. Shrimpton NY, Eiby YA, Lumbers ER, Colditz PB, Wright IMR, Duncombe G, Lingwood BE. Low cardiac preload is detrimental to cardiovascular function and cerebral blood flow in preterm piglets. Fetal and Neonatal Physiology Workshop of Australia and New Zealand, Melbourne, Australia. 2015. (oral)
  553. Signorini R, Sheffield J, Rhodes N, Fleming F, and Ward W (2015) The effectiveness of enhanced cognitive behavioural therapy in an outpatient setting. Australia and New Zealand Academy for Eating Disorders (ANZAED) Conference: Riding the Waves to Recovery, Surfers Paradise, Australia. 21-22 August 2015. (oral)
  554. Sim EA, Goh J, Chan P, Tripcony L, Shannon C, Daly T, Tran Q. Multi-institutional retrospective analysis of high-intermediate and high-risk endometrial cancer treated with chemo-radiotherapy versus radiotherapy alone. The Royal Australian and New Zealand College of Radiologists 65th Annual Scientific Meeting. Adelaide, Australia, October 2015. (poster)
  555. Simon Fleming, Glen Kennedy, et al. What is the clinical relevance of a bone marrow partial remission (PRm) following induction therapy for acute myeloid leukaemia? Haematology Society of Australia and New Zealand Annual Scientific Meeting. Adelaide SA, October 2015. (oral)
  556. Siok Tey. A phase I study of haploidentical haematopoietic stem cell transplantation with gene-modified T cell addback. RBWH Research Symposium, October 2015. (invited speaker)
  557. Siok Tey. A phase I study of haploidentical stem cell transplantation with add-back of iCasp9 safety switch gene-modified donor T cells. International Society of Cellular Therapy - Australia New Zealand Regional Meeting. Adelaide, October 2015. (invited speaker)
  558. Siok Tey. Genetic Engineering of T cells. Brisbane Diamantina Health Partners Cancer Conference. Brisbane, May 2015. (invited speaker)
  559. Skinner E, Reeve J, Thomas P, Patman S. Minimum standards of clinical practice for physiotherapists working in critical care settings: a Delphi survey. National Allied Health Conference, Melbourne, 2015; Australian New Zealand Intensive Care Society Conference, Auckland, 2015; Australian Physiotherapy Association CONNECT Conference, Gold Coast, 2015. (oral and poster)
  560. Smith M, Rosser S, Duncombe G, Scholz-Romero K, Kobayashi M, Illanes S, Perez A, Gillispie V, Longo S, Mitchell M, Rice G, Salomon C. A Gestational Profile of Placental Exosomes in Maternal Plasma in Pregnancy's Complicated with Pre-Eclampsia. Poster presentation and published in the Proceedings of the Perinatal Society of Australia and New Zealand 19th Annual Congress, April, 2015, Melbourne. Australia. (poster)
  561. Sole C, Bassetti M, Blot S, Chastre J, Felton T, Luyt C-E, Palmer LB, Pereira JM, Poulakou G, Riera J, Rouby J-J, Welte T, Roberts JA, Rello J. International survey of antibiotic nebulization in mechanically ventilated patients (saneme): old drugs for old bugs. Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC), San Diego, USA, September 2015. (poster)
  562. Sonkusare S, Breakspear M (2015). Probing the brain body interaction underlying natural emotional experience. QIMR Berghofer Annual Student Symposium, QIMR Berghofer, Brisbane, Australia. 10 July 2015. (oral)
  563. Sonkusare S, Breakspear M. (2015) Contribution of posterior middle temporal gyrus and angular gyrus in semantic cognition. SCiNDU: Systems and Computational Neuroscience Down Under, Queensland Brain Institute (QBI), UQ, Brisbane, Australia. 15–17 December 2015. (oral)
  564. Starr T. The Art of Juggling, Keeping the research project on track. Intensive Care Research Coordinators Interest Group conference, Noosa, March 2015.
  565. Stewart K. Five years of Tomotherapy at Royal Brisbane: A review. ASMMIRT. Wellington, New Zealand, July 2015. (oral)
  566. Steyn, Frederik. "Making sense of energy needs in MND". MND Symposium. GHD auditorium, UQ.
  567. Steyn, Frederik. "Neurodegeneration: an endocrine and metabolic perspective". Departmental Seminar, Monash School of Biomedical Sciences, Melbourne.
  568. Stone C, Bonner A, Barnes M, Abel J, Hetherington J, Douglas C, Havas K. Integrated chronic disease nurse practitioner model of care. Inaugural Research Symposium, Logan Hospital; 2015 November 18; Brisbane, Australia.
  569. Stone C, Bonner A., Barnes M, Abel J, Douglas C, Ghafouryn Gomish Bachi N, Havas K. Integrated nurse practitioner chronic disease (INPCD): A new model of care. Paper presented at: 43rd annual conference Renal Society of Australasia; 2015 June 15-17; Perth, Australia. (oral)
  570. Stute M, Plunkett M, Comans T, Finnigan S, Raymer M, Banks M, Buttrum P. Allied Health Specialist Outpatient Clinics: New models of enhanced care to drive throughput and reduce wait lists. Outpatients: Accelerating Flow and Improving Service Integration symposium, Brisbane, October 2015. (oral)
  571. Stute M, Plunkett M, Comans. T Allied Health Specialist Outpatient Clinics: Using data to ensure survival. National Allied Health Conference, Melbourne, November 2015. (oral)
  572. Sullivan EA, Javid N, Cincotta R, Oyelese Y, Homer C, Halliday L, Duncombe G. Eposter and published in BJOG: An International Journal of Obstetrics and Gynaecology Special Issue: Abstracts of the RCOG World Congress 2015, 12–15 April, Brisbane, Queensland, Australia. (poster)
  573. Sullivan S, Mallan. K., Daniels L, de Jersey S (2015). Associations between maternal feeding practices and beliefs with infant eating behaviours, appetite and growth. National Dietitians Association of Australia 32nd National Conference. Perth. (oral)
  574. Sullivan SM, Wixey JA, Sullivan RKP, Colditz PB. (2015). Erythropoietin decreases brain injury and improves glial outcomes in newborn hypoxic-ischemic piglets. In: 24th Annual RBWH Healthcare Symposium, Brisbane, QLD, Australia. 12 - 16 October 2015. (poster)
  575. Sylvander S. Comparison of image quality for radiochromic and radiographic film. Engineering and Physical Sciences in Medicine. Wellington, New Zealand, November 2015. (poster)
  576. Sylvander S. Initial results from testing TruView radiochromic gel. Engineering and Physical Sciences in Medicine. Wellington, New Zealand, November 2015. (poster)
  577. Tahara M, Schlumberger M, Eliser R, Habra M, Kiyota N, Ductus C, Xu J, Zhu J, Hihara T, McGrath S, Matijevic M, Kadowaki T, Funahashi Y, Hughes B, Sherman S. Pharmacodynamic biomarkers of outcomes in the phase III study of lenvatinib in 131I-refractory differentiated thyroid cancer (SELECT). COSA 2015. (poster)
  578. Tan JY, Bennett R, Power J, Thompson L, Hughes BGM, Lwin Z. The WAU (weighted activity unit) effect: evaluating the cost of DRG (diagnosis related group) coding. RBWH Research symposium, 2015. (poster)
  579. Taylor M and Meredith P (2015) Supporting consumer self-management through staff education: The sensory approaches eLearning project. Presented at the 16th International Mental Health Conference, August, Gold Coast (Aug). (oral)
  580. Taylor M and Meredith P (2015) Supporting consumer self-management through staff education: The sensory approaches eLearning project. Asia Pacific Occupational Therapy Congress, New Zealand. (oral)
  581. Taylor M (2015) Sensory modulation for substance use disorders. Presented at the WOVs Drug and Alcohol Symposium, May. (oral)
  582. Taylor S. Are turn-key radiopharmaceuticals trouble-free? 45th ANZSNM ASM, Brisbane. (poster)
  583. Taylor S. Improving the labelling yield and clinical reliability of electrophilic FDOPA 45th ANZSNM ASM, Brisbane. (oral)
  584. Teleni L, Chan R, Chan A, Isenring EA, Vela I, Inder W, McCarthy AL. Dietary and exercise interventions to improve quality of life, metabolic risk factors and andropausal symptoms in men with prostate cancer undergoing androgen deprivation therapy. Multinational Association of Supportive Care in Cancer (MASCC) and International Society of Oral Oncology (ISOO) International Symposium 2015. (poster)
  585. Teleni L, Chan R, Chan A, Isenring EA, Vela I, Inder W, McCarthy AL. Exercise improves quality of life, but not metabolic risk factors in men with prostate cancer undergoing androgen deprivation therapy – results of a meta-analysis. COSA 42nd Annual Scientific Meeting 2015. (poster)
  586. S, Summers K, Healy H, Zvirawa P, Heffernan D, Bonner A, Hussain M, Ranganathan D. Transition program for patients with renal impairment (TPPRI) – a new model of care. World Congress of Nephrology; 2015 March 13-17; Cape Town, South Africa. (poster)
  587. Thomas P, Bariatric patient management in the ICU. Australian Physiotherapy Association Cardiorespiratory Physiotherapy Australia Preconference Workshop, 2015. (invited speaker)
  588. Thomas P, Dowson N, Baker C, Smith J, Rose S. Optimising the detection of colorectal cancer liver metastases with dynamic FDG PET acquisitions. 45th ANZSNM ASM, Brisbane, 2015. (poster)
  589. Thomas P, Evolving concepts in simulation education. Australia Physiotherapy Association National Conference, 2015. (invited speaker)
  590. Turkington L, Nund R, Ward E, Farrell A. Sensory enhancement practices within Australian VFSS clinics. European Society for Swallowing Disorders, Barcelona, 1st October 2015. (poster)



591. Turkington L, Nund R, Ward E, Farrell A. Use of sensory enhancement strategies in VFSS clinics. Speech Pathology Australia, Canberra, 20th May 2015. (oral)
592. Ung O. "Academic Surgery in Private Practice"; Developing a Career in Academic Surgery, RACS ASM, Perth.
593. Ung O. "Breast Cancer – update in Management"; Weary Dunlop 2015 Visiting Fellow – Thailand. Aug 20 – 22 Chonburi Hospital, Thailand.
594. Ung O. "Indicators of Breast Surgical Quality"; International Society of Surgery (ISS), Société Internationale de Chirurgie (SIC) International Surgical Week/ ISW 2015, Bangkok, Thailand, Breast Surgery International (BSI) 2015.
595. Ung O. "Recent Advances in Breast Cancer Surgery"; Weary Dunlop 2015 Visiting Fellow – Thailand. Aug 29-31 Ratchaburi Hospital, Thailand.
596. Ung O. "Screening and Beyond"; RCOG World Congress 2015.
597. Van Zundert A. Airway Management for the difficult or impossible airway, World Congress on Larynx Cancer, 27th July 2015. (invited speaker)
598. Van Zyl N, Milford EM, Diab S, Dunster K, Reade MC, Fraser JF. A reduction in factor VIII levels is associated with coagulopathy in an ovine model of trauma and haemorrhage. Australasian Trauma Society Annual Scientific Meeting, 2015.
599. Venthurupalli SK, Hoy WE, Healy HG, Fassett RG, Cameron A, Wang Z. CKD. QLD: Profile of chronic kidney disease (CKD) from Darling Downs Health and Hospital Service (DDHHS), Queensland. In: Nephrology 2015;20:83. 51st Annual Scientific Meeting Australian and New Zealand Society of Nephrology; 2015 September 6-9; Canberra, Australia. (poster)
600. Vidler K. Radiation Therapy Care Coordination: a survey of patients' need for information about planning and treatment. MNHHS Nursing and Midwifery Res Group Conference. Brisbane, Australia, August 2015. (oral)
601. Vidler K. Radiation Therapy Care Coordination: a survey of patients' need for information about planning and treatment. National Allied Health Conference. Brisbane, Australia, November 2015. (oral)
602. Vinod S, Lim K, Bell L, Veera J, Ohanessian L, Juresic E, Borok N, Chan P, Chee R, Do V, Govindarajulu G, Sridharan S, Johnson C, Moses M, Van Dyk S, Holloway L. Dosimetric Consequences of Uncertainties in High-Risk CTV (HR CTV) Delineation for Cervical Cancer Brachytherapy. Adelaide, Australia, October 2015. (poster)
603. Vu T, Lane S, et al. Cdx2 Cooperates with Flt3-ITD to Induce Acute Myeloid Leukaemia in Mice. American Society of Hematology Annual Meeting. Orlando Florida, December 2015. (oral)
604. W. Skoien, L. Cullen, S. Ashover, J. Sippel, V. Bettens, W. Parsonage. Outcomes of the Queensland accelerated chest pain risk evaluation (ACRE) project. Heart, Lung and Circulation, Volume 24, Supplement 3, 2015, Page S159. (poster)
605. Wakeling J, McGaughan J, Susman R, Berkman J: Quarries Award – July 2015. Improved access to predictive genetic testing. (oral)
606. Walker G, Chan R, Alexandrou E, Webster J, Rickard C. (2015) A systematic review of the effectiveness of intracavitary electrocardiograph (ECG) guidance in improving central venous access device (CVAD) tip placement. 5th National Infusion and Vascular Access Society, United Kingdom. (oral)
607. Wall D (delegate), Tan S (presenter). 51st Provincial Surgeons of Australia Annual Scientific Conference – Rural Surgery, 29th – 31st October 2015, Lismore. (oral)
608. Wall D, Brandt A, Ross J (presenters), Dally-Watkins D, Jackman K (delegates). Australasian Trauma Society Conference, 2-4 October 2015.
609. Wang X, Kassianos AJ, Potriquet J, Lobb R, Wilkinson R, Healy H. Purification and analysis of exosomes derived from primary human proximal epithelial cells (PTEC). Nephrology 2015;20:67. 51st Annual Scientific Meeting Australian and New Zealand Society of Nephrology; 2015 September 6-9; Canberra, Australia. (poster)
610. Wang Z, Hoy WE, Healy HG, Kirby J, Cameron A. Hospitalisations, independent of, or before, renal replacement therapy (RRT), in chronic kidney disease (CKD) patients in renal practices of the Royal Brisbane and Womens' Hospital (RBWH) in Queensland. In: Nephrology 2015;20:50. 51st Annual Scientific Meeting Australian and New Zealand Society of Nephrology; 2015 September 6-9; Canberra, Australia. (mini-oral and poster)
611. Wang Z, Hoy WE, Healy HG, Kirby J, Cameron A. Predictors of renal replacement therapy (RRT) and death in chronic kidney disease (CKD) patients in a major Queensland metropolitan public renal practice. In: Nephrology 2015;20:50. 51st Annual Scientific Meeting Australian and New Zealand Society of Nephrology; 2015 September 6-9; Canberra, Australia. (mini-oral and poster)
612. Ward E, Burns C. Delivering Adult Speech Pathology Services via Telepractice: The Current evidence and considerations for implementing services. American Speech and Hearing Association, Denver, USA 12th November 2015. (oral)
613. Ward W. (2015) An Overview of the Medical Management of Eating Disorders. Inaugural Sunshine Coast Eating Disorders Network Meeting, Mental Health Professionals Network, Buderim. (oral)
614. Ward W. (2015) Diabetes and eating disorders. Directions in Diabetes Meeting Melbourne. (oral)
615. Ward W. (2015) Managing eating disorders in 2015. Australian Doctor Mental Health Seminar, Brisbane. (oral)
616. Ward W. (2015) Medical management of eating disorders across the developmental spectrum (Workshop co-facilitated with Associate Professor Susan Moloney). The 13th Annual Conference of the Australian and New Zealand Association for Eating Disorders, Gold Coast. (oral)
617. Ward W. (2015) Obesity, Personality and Psychiatric Illness. Queensland Audit of Surgical Mortality (QASM) seminar – 'The OBESE Patient: every surgeon's dilemma! Making the best of this difficult situation', Brisbane. (oral)
618. Ward W. (2015). What's new in managing eating disorders in medical ward settings. Consultation Liaison Advanced Trainee Academic Session. Pre-Congress Workshop, RANZCP 2015 Congress, Brisbane. (oral)
619. Webster J. Leading the world in IV access Research. Key to the Future: International Leadership Conference. Brisbane, 11th – 12th May 2015. (invited speaker)
620. Weis A, Ramm G, Wockner L, Skoien R. MicroRNAs as potential serum biomarkers of fibrosis progression and hepatocellular carcinoma development in chronic Hepatitis C. Australian Gastroenterology Week/World Gastro. Brisbane, September 2015. (poster)
621. Whelan M, Hay, R., Ross L (2015). Characteristics of completers vs. non-completers of a weight loss program delivered via a hospital outpatient setting. National Dietitians Association of Australia 32nd National Conference. Perth. (oral)
622. Whitehall V, Bond C, McKeone D, Ellis J, Bettington M, Pearson S, Leggett B. RNF43 is a frequent mutational target in serrated colorectal neoplasia, American Association for Cancer Research 2015. Abstract published in Cancer Research 75 (15 Supplement), 2076-2076. (poster)
623. Whitfield K, Koorts P, Gomes F, Hewavitharana A. Effect of pasteurisation on the concentrations of vitamin D compounds in donor breast milk. Neonatal and Paediatric Pharmacist Group 21st Conference 6-8th Nov 2015 Cheshire UK. (oral)
624. Wilkinson R, Kassianos A, Wang X, Sampangi S, Healy H. Human proximal tubular epithelial cells: their role in immune-modulation and the disease process. Paper presented at: Frontiers in Immunology Research International Conference; 2015 July 1-4; Algarve, Portugal. (invited speaker)
625. Wilkinson R, Kassianos AJ, Wang X, Sampangi S, Afrin S, Healy H. Fractalkine-CX3CR1-dependent recruitment and retention of TGF- $\beta$ -producing CD1c+ myeloid dendritic cells by proximal tubular epithelial cells. Poster presented at: World Congress of Nephrology; 2015 March 13-17; Cape Town, South Africa. (poster)
626. Williams N, Reid C, Williams L, Russo R, Lewis S, Bonner A. Motivational interviewing for people undergoing home automated peritoneal dialysis to improve treatment adherence: A randomised controlled trial. Poster presented at: 43rd annual conference Renal Society of Australasia; 2015 June 15-17; Perth, Australia. (poster)
627. Wilson G, Kark A, Mallett A, Salisbury A, Wang Z, Healy H, Hoy W. Effects of Acute Kidney Injury (AKI) severity and co-morbidities on Chronic Kidney Disease (CKD) progression. In Journal of the American Society of Nephrology 2015;26(abstract edition):480A. Poster presented at: Kidney Week American Society of Nephrology 2015 November 3-8; San Diego USA. (poster)
628. Wilson GJ, Kark A, Mallett A, Cameron A, Wang Z, Kirby J, Healy HG, Hoy WE. Acute Kidney Injury (AKI) associated with chronic kidney disease (CKD) in the renal practices of the RBWH through the CKD.QLD Registry. In: Nephrology 2015;20:74. Poster presented at: 51st Annual Scientific Meeting Australian and New Zealand Society of Nephrology; 2015 September 6-9; Canberra, Australia. (poster)
629. Wilson S, Lehn B, Crombie B, Hodge R, Batstone M. Swallowing and voice outcomes in pharyngolaryngectomy: Fascio-cutaneous free flaps versus jejunum. RBWH Symposium, 12-16th October 2015. (poster)
630. Wilson, S, Lehn B, Crombie B, Hodge R, Batstone M. Swallowing and voice outcomes in pharyngolaryngectomy: Fascio-cutaneous free flaps versus jejunum. World Congress on Larynx Cancer, Cairns, 28th July 2015. (oral)
631. Wixey JA, Colditz PB, Sullivan SM. Inflammation and glial cell disruption in the brain of growth restricted newborns. Early Career Researcher Symposium, UQ, Brisbane, Dec 2015. (poster)

632. Wixey JA, Colditz PB, Sullivan SM. Inflammation in the growth restricted newborn brain. In: 24th Annual RBWH Healthcare Symposium, Brisbane, QLD, Australia. 12-16 October 2015. (poster)
633. Wong A, Francis L, Ratanjee SK. Ranitidine. A rare but not forgotten cause of acute interstitial nephritis. RBWH Healthcare Symposium; 2015 October 12-16; Brisbane, Australia. (poster)
634. Wong A. Optimising Protection after Ischaemic Stroke, Singapore Cardiac Society, April 2015. (invited speaker)
635. Wong A. Stroke prevention in AF, National Heart Association of Malaysia April 2015. (invited speaker)
636. Wong A. Stroke refresher course, Stroke Society of Australasia ASM September 2015. (invited speaker)
637. Wu C-J(Jo), Chang AM, Courtney M, Atherton J, Kostner K, MacIsaac R, MacIsaac A, Maphail S. Strategies for promoting self-efficacy in implementing a cardiac-diabetes self-management program. The National Nursing Forum, Brisbane, October 2015. (oral)
638. Wu C-J(Jo), McPhail S, Atherton J. Enabling effective management for people with cardiac-diabetes conditions. CRN Health Symposium, Australian Catholic University, Melbourne, December 2015. (oral)
639. Wyld D, Gibson A, Broom A, Plage S, Cubitt A, Lwin Z. Experiences of Uncertainty and Invisibility: Women's Accounts of Living with a Rare Cancer (#389). Clinical Oncology Society of Australia Annual Meeting, Hobart Australia: 11/2015. (poster)
640. Wyld D. ANZNETS -ANZ Neuroendocrine Tumour Society Annual Meeting. Melbourne 2015. (invited speaker)
641. Wyld D. Guest Speaker, Practical Justice in Cancer and Palliative Care: Suffering, Hope, Survivorship, UNSW Arts and Social Sciences, UNSW Nov 2015. (invited speaker)
642. Wyld D. Invited Presentation, Annual Scientific meeting, Clinical Oncology Society of Australia. Tele-Oncology Guidelines Launch (COSA) 2015. (invited speaker)
643. Wyld D. Patterns of care in pancreatic cancer – a population-based study. Research Excellence in Cancer Care, Biennial Research Symposium to Support Diamond Standard of Cancer Care. RBWH, Jul 2015 (Oral Invited Speaker)
644. Wyld D. Update on neuroendocrine tumour research. Brisbane Cancer Conference, Brisbane, 2015. (invited speaker)
645. Yates P. Advances in clinical and patient outcome research. Peking Medical University, Beijing, China, 11th November 2015. (oral)
646. Yates P. Building an evidence base in palliative care nursing. 11th Asia Pacific Hospice Conference, Taipei, Taiwan, 30th April to 3rd May 2015. (invited speaker)
647. Yates P. Cancer as a chronic disease: Implications for health services research. QIMR Berghofer Epidemiology Seminar Series, QIMR, Herston, 21st July 2015. (oral)
648. Yates P. CRE in End of Life Care: What are the opportunities for telehealth? CRE in Telehealth Forum, Princess Alexandra Hospital, 2nd October 2015. (oral)
649. Yates P. Patient outcomes in palliative care – a national perspective on malignant and non-malignant diseases. 13th Australian Palliative Care Conference, Melbourne, 4th September 2015. (invited speaker)
650. Yates P. Patient outcomes research. Brisbane Cancer Conference, Brisbane, 17th December 2015. (invited speaker)
651. Yates P. Practical strategies for carers and those who support them. QUT Wellness Matters Lunchbox Seminar, Brisbane, 11th February 2015. (oral)
652. Yates P. Research and implementation: The big picture. 3rd Australian Palliative Care Research Colloquium, Melbourne, 22nd October 2015. (invited speaker)
653. Yates P. Research Methodology. Annual introduction to Research Principles and Resources courses for Health Professionals 2015. MNHHS, RBWH, Herston, 21st July 2015. (oral)
654. Yates P. Strengthening the relationship between acute cancer care and palliative care. CNSA 18th Winter Congress, Perth, 14-16 June 2015. (invited speaker)
655. Yates P. Supportive cancer care research: past, now, future. 2nd Biannual Research Excellence in Cancer Care Symposium, MNHHS, RBWH, Herston, 15th July 2015. (oral)
656. Yates P. Targeted therapies. Sydney Adventist Hospital Oncology and Integrated Care Conference, Sydney, 7th August 2015. (invited speaker)
657. Yates P. TrueNTH Survivorship Program. Brisbane Cancer Conference, Brisbane, 17th December 2015. (oral)
658. Yates P. and O'Connor M. Research in Palliative Care. 11th Asia Pacific Hospice Conference, Taipei, Taiwan, 30th April to 3rd May 2015. (oral)
659. Yates P. National standards – do they influence care outcomes? 11th Asia Pacific Hospice Conference, Taipei, Taiwan, 30th April to 3rd May 2015. (invited speaker)
660. Yates P. Nurses' contribution to improving patient outcomes. Asian Oncology Nursing Society (AONS) Conference, Seoul, South Korea, 20th to 21st November 2015. (invited speaker)
661. Yates P., Chambers S. and Wyld D. A prospective, longitudinal study of the use of health services by advanced cancer patients: implications for cancer nurses. 2015 International Conference on Cancer Nursing, Vancouver, Canada, 10th July 2015. (oral)
662. Yates P., Stone L., Gavin N., Alexander K. and Chan R. An overview of the BDHP patient outcome research program. Brisbane Cancer Conference, Brisbane, 17th December 2015. (oral)
663. Yates, P. Centre for Research Excellence in End of Life Care. Brisbane Cancer Conference, Brisbane, 17th December 2015. (oral)
664. Yeoh E, Ranganathan D, John GT, Williams N, Han T, Jeyaseelan L, Ramanathan K, Healy H. A randomized controlled trial to determine the appropriate time to initiate dialysis after insertion of catheter. In: Journal of the American Society of Nephrology 2015;26(abstract edition):B10. Poster presented at: Kidney Week American Society of Nephrology 2015 November 3-8 November; San Diego USA. (poster)
665. Young A, Joliffe L, Allie A, McRae P, Mudge A, Banks M : "Assisted Mealtimes" instead of "Protected Mealtimes"? Exploring the impact of hospital mealtime practices on food intake. Dietitians Association of Australia National Conference 2015 (selected oral presentation)
666. Young A, Opasinis. N., Robertson H, Banks M (2015). High proteing/energy diets and mealtime assistance improves nutritional intakes of older hospital patients. National Dietitians Association f Australia 32nd National Conference. Perth. (poster)
667. Young AM, Joliffe. L. (2015). "Assisted Mealtimes" instead of "Protected Mealtimes"? Exploring the impact of hospital mealtime practices on food intake. National Dietitians Association f Australia 32nd National Conference. Perth. (oral)
668. Young S, Patterson S and Praskova A (2015) Physical Health in Mental Health: Driving Best Practice from the Consumer Perspective. The MHS Conference 2015 August, Canberra, Australia. (oral)
669. Young S, Praskova A and Patterson S (2015) Physical Health in Mental Health: Consumer and Carer Perspectives. Presented at the 16th International Mental Health Conference, August 2015, Gold Coast, Australia. (oral)
670. Zeissink B. and Fenech M. Hepatitis C progression - barriers to monitoring liver health and treatment. 17th National Haemophilia Conference. Gold Coast, Oct 2015 (oral)
671. Zeissink B., Hollingdrake O., Chong D., and Dalzell R. When to Pick a PICC (Peripherally Inserted Central Catherter) 17th National Haemophilia Conference. Gold Coast, Oct 2015. (poster)
672. Zelenitsky S, Lawson C, Calic D, Ariano R, Roberts JA, Zhanel G. Pre-Operative Antimicrobial Prophylaxis (AP) in Abdominal Surgery: The Role of Pharmacokinetics-Pharmacodynamics (PK-PD). European Conference on Clinical Microbiology and Infectious Diseases, Copenhagen, Denmark, April 2015. (poster)

## Other communications and outputs

1. Atherton J. Heart Failure Research Review (2nd monthly publication)
2. Bonner A. Scientific Committee Chair, Organising Committee, 43rd Renal Society of Australasian, Perth Australia.
3. Brown T, Blake C, Kurtz B. "Alternative diets and cancer". QLD DAA Professional Development Day, 2015.
4. Comans T. Endobronchial valves for patients with advanced heterogeneous emphysema; <https://www.health.qld.gov.au/healthpact/docs/briefs/WP199.pdf>
5. Flaws D. Sensitivity, Specificity and receiver operator curves. Presented at The Prince Charles Hospital Psychiatry Statistics Workshop.
6. Kimble R, Wall DR, Williamson F. Trauma in pregnancy. Queensland Health publication.
7. Mallett A (Co-Convenor, Organising Committee and Speaker), 3rd Australian Renal Genetics Symposium, Canberra Australia.
8. Mallett A. Functional Genomics in Inherited Kidney Disease. Invited lecture at Renal Society of Australasia (QLD).
9. Mallett A. Functional Genomics in Inherited Kidney Disease. Invited lecture at PAH Dept of Renal Medicine.
10. Mallett A. Nephrogenetics in Queensland. Invited lecture at Gold Coast Nephrology Journal Club.
11. Mallett A. Renal Genetics – Management and the roles of a Nephrologist. Invited lecture at Inaugural Australian Clinical Dysmorphology Meeting (Human Genetics Society of Australasia).
12. Mallett A. Nephrogenetics – Finding the Unknown amongst the Unseen. Invited lecture at Austin Hospital Grand Rounds - Professorial Medicine Unit.
13. Mallett A. Nephrogenetics in Australia – Finding the Unknown amongst the Unseen. Invited lecture at Amgen One National Nephrology Symposium.
14. Ngo S. UQ Create Change Vignette – "Dr Shyuan Ngo creating change for MND patients" (<https://www.uq.edu.au/create-change/shyuan#video>). QUT School of Nursing Research Forum, Writing for Publication. July, 2015
15. Parsonage W. 3AW Radio Melbourne: Interview with Dr Sally Cockburn: Broadcast 18th October 2015.
16. Parsonage W. CardioBrief Website: New Test May Allow Early Discharge Of Chest Pain Patients: Article October 8th 2015. <http://cardiobrief.org/2015/10/08/new-test-may-allow-early-discharge-of-chest-pain-patients/>
17. Parsonage W. HeartWire by Medscape/theheart.org: Rapid and Safe Rule-Out of MI/ACS With High-Sensitivity Troponin Assay Showcased: Interview published 21st October 2015. <http://www.medscape.com/viewarticle/853004>
18. Rowell J and Zeissink B. New therapies and future horizons. 17th National Haemophilia Conference. Gold Coast, Oct 2015. (Closing Plenary Panel Discussion)
19. Rowell J. and Zeissink B. Comprehensive Care: the journey. 17th National Haemophilia Conference. Gold Coast, Oct 2015. (Opening Plenary Panel Discussion)
20. Scott J. Auto immune encephalitis. A cause of psychosis. Secrets of your brain revealed: a research update. UQCCR Community Symposium, Brisbane Australia.
21. Scott J. Clinical Trials in Early Psychosis. Lecture at Lady Cilento Children's Hospital Grand Rounds, Brisbane Australia.
22. Scott J. Clinical Trials in Early Psychosis. Lecture at Metro South Mental Health Grand Rounds, Brisbane Australia.
23. Scott J. Clinical Trials in Early Psychosis. Lecture at The Prince Charles Hospital Grand Rounds, Brisbane Australia.
24. Scott J. Clinical Trials in Early Psychosis. Lecture at RBWH Grand Rounds, Brisbane Australia.
25. Scott J. Preventing Mental Disorders in Children and Adolescents. Invited Presentation to the Queensland Mental Health and Drug Advisory Council, Brisbane, Australia.
26. Scott J. Psychotic like Experiences, Research and clinical applications UQCCR Seminar Series, Brisbane, 29th Oct 2015.
27. Scuffham P, Comans T, Moretto N and Elliott T. Stem cell therapy for non-haematological (autoimmune) indications: <https://www.health.qld.gov.au/healthpact/docs/nehtr/nehtr-march2015.pdf>
28. Sekar R. et al. 13 year review of fetal gastroschisis and antenatal prognostic factors.
29. Sekar R. et al. 7 year audit at RBWH of laser photocoagulation in TTTS.
30. Sekar R. et al. 7 year audit of isolated fetal ventriculomegaly and outcomes.
31. Sekar R. et al. Audit 10 year review of still births at RBWH and adherence to PSANZ guidelines.
32. Sekar R. et al. Audit 13 year review of postpartum hysterectomy at RBWH - audit accepted for publication.
33. Slattery P. "Under Pressure – Use of Interface Pressure Mapping in Wound Care", Mater Wound Care 2015, Brisbane.
34. Sonkusare S. (Breakspear M). Probing the brain body interaction underlying natural emotional experience. 7th QIMR Berghofer Biennial Student Retreat, O'Reilly Rainforest Retreat, Australia. 17–18 September 2015.
35. Sonkusare S. (Breakspear M). Probing the brain body interaction underlying natural emotional experience. QIMR Berghofer Annual Scientific Retreat, Marriott Surfer's Paradise Resort, Gold Coast, Australia. 4–5 November 2015.
36. Sonkusare S. (Breakspear M). Semantic Cognition: how we know what we know? The Early Career Researcher (ECR) seminar series, QIMR Berghofer Brisbane, Australia. 27 November 2015.
37. Spilsbury M. and Chong D. Genetic Counselling Services Workshop. 17th National Haemophilia Conference. Gold Coast, Oct 2015.
38. Taylor M, Fitzgibbon C and O'Sullivan J. Adopting a sensory lens to enhance functional outcomes. Presented at workshop and webinar, Occupational Therapy Australia, Brisbane 2015.
39. Taylor M. What's sensory modulation got to do with it? Least Restrictive Practice Statewide Forum, Brisbane 2015.
40. Ward W. Cairns eating disorders GP information dinner. National Eating Disorders Collaboration Forum, Cairns, Australia.
41. Ward W. Eating disorders and diabetes: a practical guide. Queensland Diabetes Centre, Mater Hospital, Brisbane.
42. Ward W. Recognising eating disorders / healthy body image promotion in secondary schools. Statewide School-based Youth Health Nurses Conference, Brisbane, Australia.



Royal Brisbane and Women's Hospital  
Metro North Hospital and Health Service

+61 7 3646 8111  
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