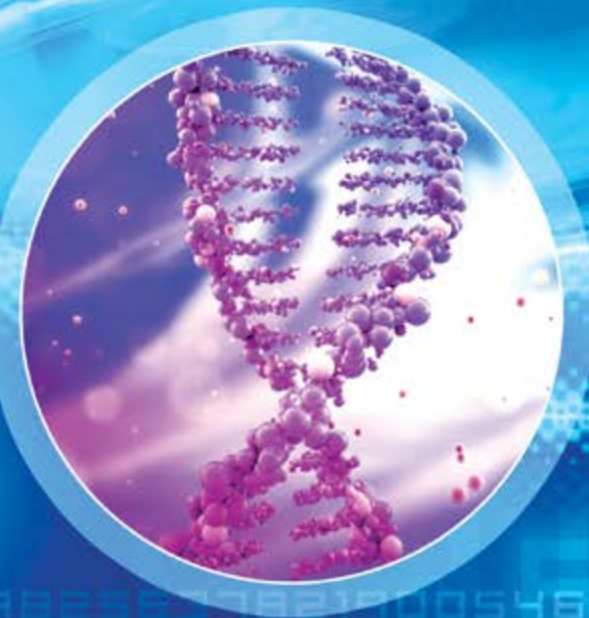
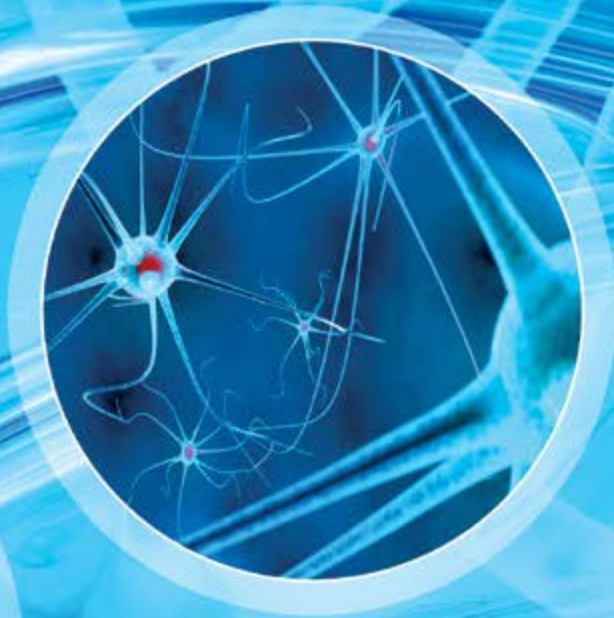


# RESEARCH SERVICES



RESEARCH

US ALL VENTURUM LED IN HRC ABENTASE PLATER DICTUMST SED EFFICITUR  
BAMPTAN VIRE VUL DAPIBUS ERDS SED EBET BARVIDA LECTUS. SED SEMPER  
ACTUS VINDITAT SNEY. ABIN POSUERE POSUERE COMMODO. VIVAMUS ORCI NULLA

# Research Executive Director's Report



Research Services is committed to growing research capability and capacity at the RBWH. During 2018 there has been ongoing increased engagement with our clinician researchers, both established and commencing, the Metro North Research team and our external partners aiming to streamline processes and make conducting research easier! During 2018, the RBWH Ethics team, led by Dr Gordon McGurk also became part of Research Services alongside the research governance team, with the purpose of working together more productively. Research services also provides secretariat and management of the RBWH grants program, including Scholarships, annual Project Grants and Post-doctoral Fellowships.

**Merrilyn Banks**  
Executive Director  
Research Services

## RBWH Research Council



**Back row (L-R):** Emma Raymond (Research Services), Sunil Lakhani (Pathology Qld), Gordon McGurk (HREC), Leah Hoppe (Research Services), Jye Smith (Nuc.Med), Marita Prior (Med. Imaging), Ian Parker (Allied Health), Robert Tindle (Research Advisor), Niall Higgins (Mental Health), Nicole Marsh (Nursing)  
**Front row (L-R):** Louise Cullen (Emergency Medicine), Leonie Callaway (Women's and Newborn), Merrilyn Banks (Research Services - Chair), Victoria Eley (Anaesthetics), Helen Healy (Renal Medicine)  
*Absent: Jeff Lipman, David Cavallucci, David Paterson, Adrienne Young, Tara McCurdie, Katie Foxcroft, Steven Lane*

## Human Research Ethics Committee and Research Governance

The National Statement on Ethical Conduct in Human Research published by the National Health and Medical Research Council (NHMRC), obliges all institutions involved in the practice of research ensure research participant safety and the integrity of research studies through review by a Human Research Ethics Committee. The RBWH HREC plays an integral role in ensuring research across Australia, but particularly within the RBWH, is ethically acceptable. In the last year, the HREC reviewed around 600 applications for review of research, including full applications, low risk applications amendments and exemptions. The HREC also provides advice on whether activities comprise research, or are other non-research activities such as clinical audit; service evaluation; and quality improvement.

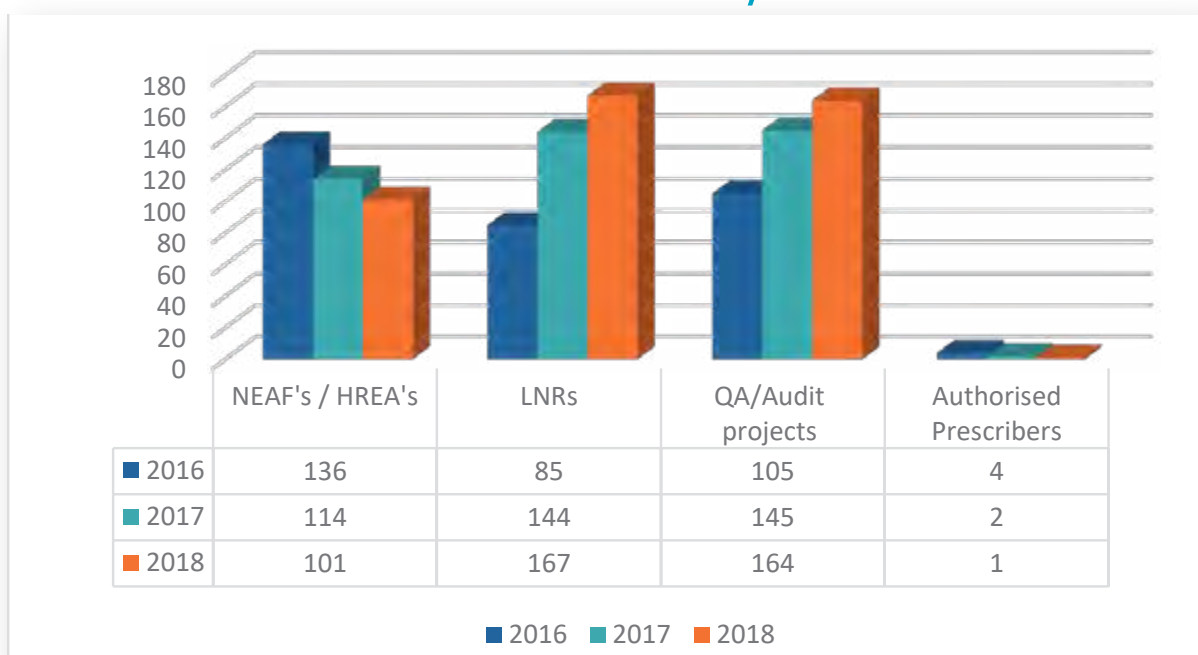
The RBWH HREC remains one of 50 HRECs in Australia whose ethics review processes have been certified as part of the NHMRC's certification process. In addition to the existing categories of certification, which include clinical trials Phase I-IV, qualitative research, mental health research and population health research, the HREC will be seeking certification in other categories including:

- Research involving First Nations Peoples
- Paediatric Research.

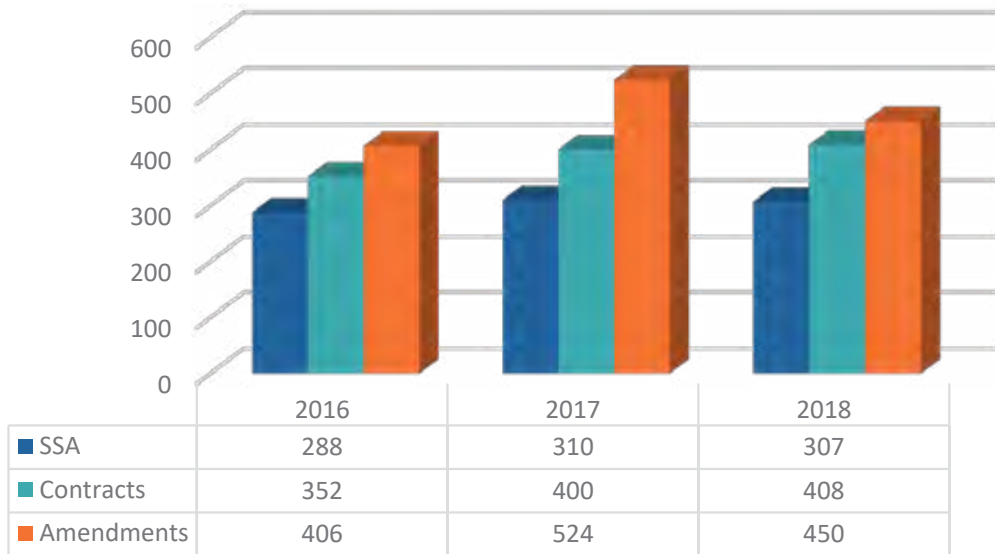
As part of a project to streamline HREC and site authorisation processes, the HREC has also been developing mechanisms to expedite ethics review and to work more efficiently with departments within the hospital to understand their needs and meet contemporary expectations. These mechanisms include:

- Bolstering the review of low risk applications by the addition of expert reviewers from throughout the hospital who have agreed to provide input where required. This will add some research expertise to the reviews
- Setting and implementing clear, published and accountable timelines
- Comprising ethics and governance information and advice 'clinics' to provide guidance to researchers on aspects of ethics and governance prior to application submission
- Providing information sessions on aspects of review such as the difference between research and non-research activities.

### HREC Activity



## Governance Activity



**Members of RBWH HREC and RBWH RGO:**

*(Left to Right):* Rhondda Boyle (HREC Administration Officer), Janani Balakrishnah (A/Research Support Officer), Ann-Maree Gordon (HREC Coordinator), Anitha Dinesh (A/Research Governance Officer), Gordon McGurk (HREC Chairperson), Merrilyn Banks (Executive Director), Leah Hoppe (Executive Support Officer), Mamta Tanwar (HREC Assistant Coordinator), Emma Raymond (Business Manager). *Absent:* Liana Tongia (Administration Officer, Research Governance)

## RBWH and RBWH Foundation Research Advisory Committee



**Prof. Gerard Byrne**  
**Chair**  
Research Advisory Committee

The Research Advisory Committee (RAC) was established to provide assistance to the Royal Brisbane and Women's Hospital Foundation (the Foundation) and Royal Brisbane and Women's Hospital (the Hospital) in fulfilling their oversight responsibilities for the funding of health science research at the Hospital. The RAC members provide their services on an honorary basis attending four meetings throughout the year.

### The 2018 Membership Included:

Prof Gerard Byrne – <b>Chair</b>	Prof Claire Rickard
Dr Merrilyn Banks	Prof Robert Tindle
Adjunct Assoc Prof Ian Coombes	Dr Helen Healy
Adjunct Assoc Prof Robyn Fox	Prof Joan Webster
Prof Grant Ramm	Prof Jeff Lipman

### Other Attendees:

Ms Anitha Dinesh	Ms Kaelah Bosanquet
Ms Leah Hoppe	

Throughout 2018 a staggering \$2,400,000 was funded for scholarships, project grants and fellowships. A total of \$1,500,000 was received via the Private Practice Trust Fund plus \$900,000 from the RBWH Foundation. It is the role of the RAC members to give priority to the scholarships and those postgraduate research students who obtain external support (e.g. NHMRC or ARC) are eligible for top-up funds.

RAC received a total of 18 scholarship applications, 13 of which were successful for funding, with a total value for scholarships of \$522,653.16. In addition, 140 Research grants were received, blind ranked by the committee and divided into Early career applicants (40% – \$364,703.00) and Experienced Research (60% – \$564,124.68), leaving a total of 65 applications. Overall, 10 out of 29 were successful for early career researcher grants and 14 out of 36 were successful for experienced research grants.

In addition, 10 fellowship applications were received, 4 of which proceeded to the interview process. This was an opportunity to receive \$50,000 over a 2-year timeframe, there were 3 successful applicants who received this funding.

After many years of exceptional and voluntary service, the time has come to say farewell to Professor Robert Tindle. On behalf of myself and all the committee members, we would like to thank you for your hard work and dedication and will be missed by all.

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

# Symposium Research Award Winners

## 27<sup>th</sup> Annual RBWH Healthcare Symposium Research Awards 2018

### Winners:

**Danielle Silvestro** (The Professor Lawrie Powell AC Early Career Research Award)

**Dr Melissa Eastgate** (The Professor William Egerton Award for Medical Research): Trends in outcomes of resected intracranial metastatic melanoma across pre and post era of modern systemic therapies

**Nicole Marsh** (The Cecilia Brazil Nursing Research Award): Peripheral intravenous catheter failure and complications within the adult population: a systematic review

**Adrienne Young** (Health Practitioners Research Award): Improving nutritional intake and care for older in-patients

**Katrina Kildey** (Discovery and Innovation Research): Functional specialisation of natural killer cell subsets in human kidney transplant rejection

**Abirami Ratnasingham** (Clinical Research Award): Reduced fat-free mass at birth is predictor of childhood obesity

**Lisa Mitchell** (Complex Health Challenges Research Award): Safety partnerships in action: zero hospital acquired pressure injuries

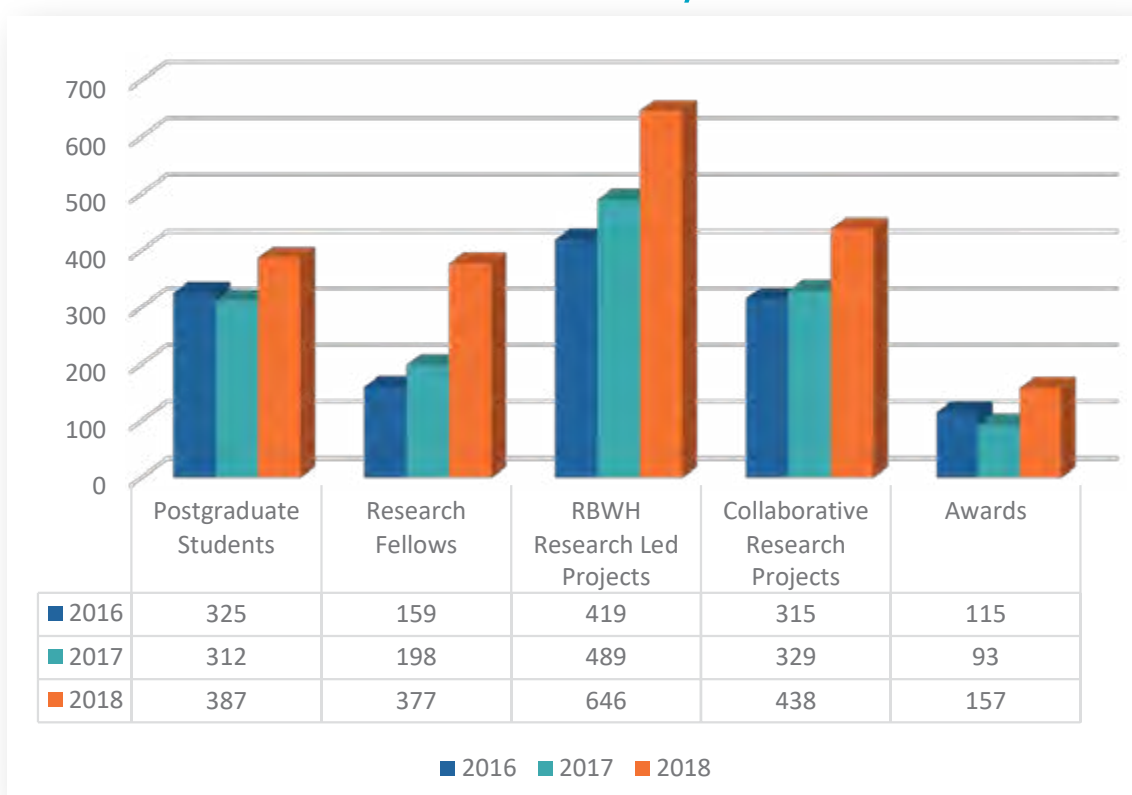
**Mary Fenn** (Health Services Implementation Research Award): Up late at RBWH improves staff experience

**Dr Melissa Eastgate** (Best Overall Presentation): Trends in outcomes of resected intracranial metastatic melanoma across pre and post era of modern systemic therapies

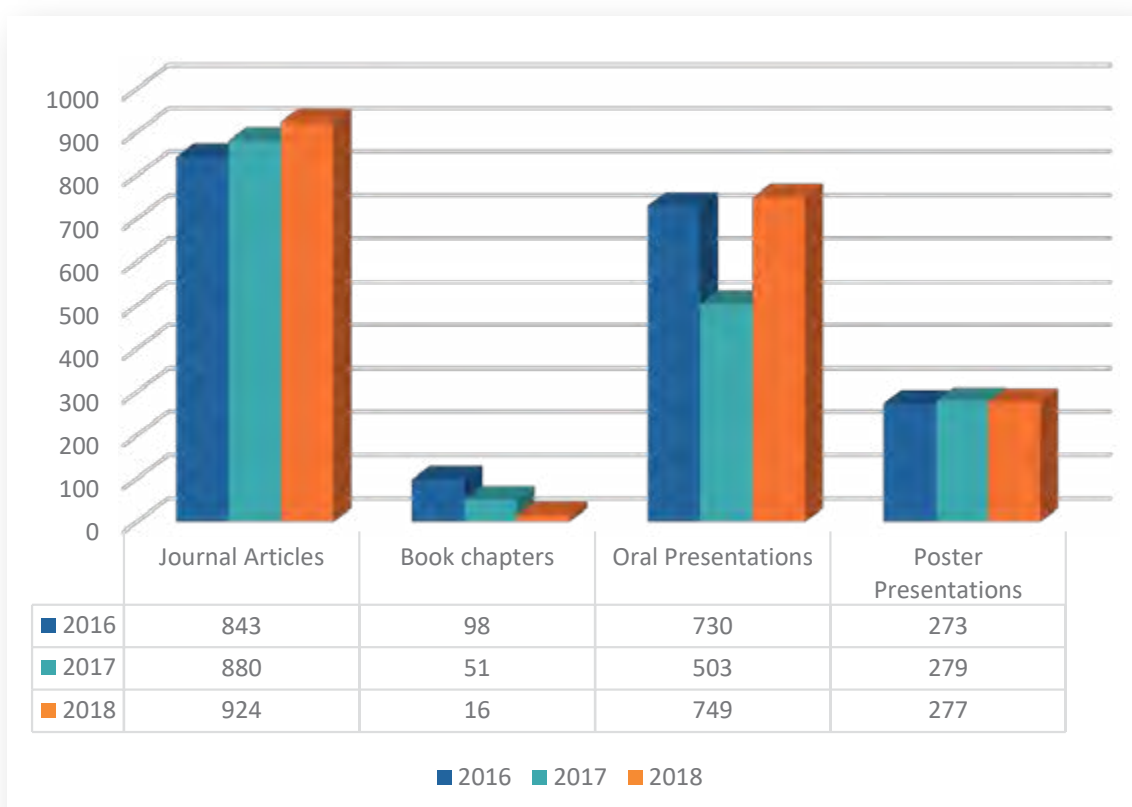


## RBWH Research Output

### Research Activity 2018



### Publications



## Centre for Palliative Care Research and Education

The primary role of the Centre for Palliative Care Research and Education (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 2018:

The Centre Director awarded the prestigious Distinguished Researcher award by the International Oncology Nursing Society (ONS) Congress 2018; and the Clinical Research Program Leader awarded the Bill Siganto award at the 2018 Young Investigator Symposium and Mater Research Awards for Research Excellence. CPCRE staff have continued research projects funded by National Health and Medical Research Council (NHMRC), Australian Research Council, Mater Medical Research Institute, Department of Health (DOH), Cancer Australia, Cancer Council NSW, and the Australian Government. Research projects are multi-disciplinary and are across institutions, and results have been published in national and international peer reviewed publications. The Centre 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 <i>(RBWH staff in bold)</i>	Current Studies <i>(e.g. PhD, Masters etc.)</i> University <i>(duration)</i>	Research Project Title	Supervisors <i>(RBWH staff in bold)</i>
Vanessa Brunelli	PhD, QUT (2013-2019)	Development of a model of engagement designed to enhance specialist cancer nurse abilities to support people living with lung cancer in self-management	<b>Patsy Yates</b> , Carol Windsor
<b>Elise Button</b>	PhD, QUT (2014-2018)	Identifying risk of deteriorating and dying in people with haematological malignancy	<b>Patsy Yates</b> , Raymond Chan, Shirley Chambers, Jason Butler
James Hughes	PhD, QUT (2014-2018)	Person, environment and health and illness factors influencing time to analgesia and patient experience of pain management	<b>Patsy Yates</b> , Kimberly Alexander
Nguyen Thuy Ly	PhD, QUT (2015-2018)	A pilot randomised controlled trial of a psychoeducational intervention for symptom cluster management among cancer patients undergoing treatments in Vietnam	<b>Patsy Yates</b> , Kimberly Alexander
Sarah Northfield	Masters by Research, QUT (2014-2018)	The palliative care referral decision-making process in the acute cancer setting: Nurses' advocacy behaviours and the factors influencing these behaviours	<b>Patsy Yates</b> , Raymond Chan, John Rosenberg
Doreen Tapsall	Professional Doctorate, QUT (2011-2019)	Factors influencing Nurses engagement in continuing professional development in cancer nursing	<b>Patsy Yates</b> , Kimberly Alexander
Alison Bowers	PhD, QUT (2016-2020)	Paediatric life-limiting conditions: prevalence and palliative care needs	<b>Patsy Yates</b> , Raymond Chan
Rae Blades	Masters by Research, QUT (2016-2020)	The prevention and treatment of radiation dermatitis in patients with head and neck cancer using StrataXRT, is more cost effective than standard care during and post radiotherapy	<b>Patsy Yates</b> , Raymond Chan, Steven McPhail



## Supervised Post-Graduate Research Students (cont)

Name (RBWH staff in bold)	Current Studies (e.g. PhD, Masters etc.) University (duration)	Research Project Title	Supervisors (RBWH staff in bold)
Cara Cabilan	Masters by Research, QUT (2014-2019)	The physical activity, sedentary behaviour, functional status, and quality of life of colorectal cancer patients within six months after curative treatment	Kimberly Alexander, <b>Patsy Yates</b> , Sonia Hines
Piyada Chaisri	PhD, QUT (2018-2022)	Health related quality of life in children with cancer in Thailand	<b>Patsy Yates</b> , Natalie Bradford
Tai-Rae Downer	PhD, QUT (2018-2021)	Health services use in older cancer survivors	Raymond Chan, <b>Patsy Yates</b> , Louise Gordon, Catherine Olsen
Dianne Legge	Masters by Research, QUT (2015-2019)	Supportive care needs of people diagnosed with low-grade glioma (LGG) in the 3 years post diagnosis	<b>Patsy Yates</b> , Danette Langbecker
Robyn Matthews	Masters by Research, QUT (2016-2021)	The preparedness of novice cancer nurses in delivering end-of-life care in the acute oncology hospital setting	<b>Patsy Yates</b> , Raymond Chan, Stuart Ekberg
Carla Thamm	PhD, QUT (2012-2021)	An investigation of how sociocultural factors influence health care professionals' and patients' experience of head and neck cancer and its treatment	<b>Patsy Yates</b> , Sandie McCarthy
Alisha Wintour	Masters by Research, QUT (2016-2020)	Evaluation of an information pamphlet for HPV positive oropharyngeal cancer patients	<b>Patsy Yates</b> , Kimberly Alexander
Cynthia Akuoko	PhD, QUT (2017-2021)	Achieving health services and supportive care needs of women with advanced breast cancer in Ghana	<b>Patsy Yates</b> , Shirley Chambers
Thi Nguyen	PhD, QUT (2014-2018)	Lifestyle factors and health related quality of life in Vietnamese women after breast and gynaecological cancer: What are the relationships?	<b>Patsy Yates</b> , Debra Anderson, Charlotte Seib
Wendy O'Dea	Masters of Philosophy, QUT (2018-2022)	What is the preparedness of cancer nurses caring for patients receiving immunotherapy	Raymond Chan, <b>Patsy Yates</b>
Theodora Ogle	PhD, QUT (2017-2023)	Self-initiated comfort strategies for chemotherapy-induced peripheral neuropathy	Raymond Chan, <b>Patsy Yates</b>
Clare Quaglia	Masters of Philosophy, QUT (2018-2022)	The use of comprehensive smart phone applications to improve continuity of care and quality of life in patients undergoing treatment for cancer	Kimberly Alexander, <b>Patsy Yates</b>
Emma Sayers	PhD, QUT (2017-2025)	Ethical decision-making in end of life care – moving beyond patient autonomy and rational choice. The development of a framework rooted in the complex experiences of consumers, carers and clinicians.	<b>Patsy Yates</b> , Carol Windsor
Porawan Witwanukool	PhD, QUT (2017-2021)	Implementing evidence based physical activity and exercise guidelines by oncology nurses in Thailand	<b>Patsy Yates</b> , Raymond Chan
Rani George	PhD, Griffith University (2013-2018)	Individualisation of pain management in cancer patients – Methadone	<b>Janet Hardy</b>
Alana Delaforce	PhD, University of Newcastle (2018-2020)	A theoretical analysis of the barriers and facilitators to implementing patient blood management guidelines: a mixed method restricted review	Jed Duff, Judy Munday, <b>Janet Hardy</b>
Thomas Dilana	PhD, University of Queensland (2018-2020)	Patient attitudes towards medicinal cannabis	<b>Janet Hardy</b>

## 2018 Research Positions: Coordinators, Fellow, Adjunct and Honorary Positions

Name	Type of Fellowship	Research Program	University (years)
<b>John Haberecht</b>	Visiting Fellow	Palliative Care	Queensland University of Technology (2016 – current)
<b>Elise Button</b>	Nurse Researcher	Cancer Nursing	Queensland University of Technology (2017 – current)
<b>Nicole Gavin</b>	Nurse Researcher	Cancer Nursing	Queensland University of Technology (2017 – current)

## 2018 Current RBWH Research Group / Department Led Research Activity

RBWH Research Group/Department Lead Researchers	Collaborative Researchers	Research Project Title
<b>Hardy, J., Yates, P.</b>	<b>Hardy, J.</b> , Good, P., Lintzeris, N., Martin, J., <b>Yates, P.</b> , Chye, R., Haywood, A., Olsen, R.	Medicinal cannabinoids to relieve symptom burden in the palliative care of patients with advanced cancer
<b>Yates, P.</b>	<b>Yates, P.</b> , Mitchell, G., Currow, D., Eagar, K., Edwards, H., Gardner, G., Willmott, L., Bonner, A., Clark, R., Tieman, J.	Centre for Research Excellence in End of Life Care
<b>Yates, P.</b>	<b>Yates, P.</b> , Carter, R.	TrueNTH Solutions: an integrated multi-component intervention to improve the lives of men with prostate cancer in Australia
<b>Yates, P.</b>	<b>Yates, P.</b> , Alexander, K., Miaskowski, C., Chan, R., McCarthy, A., McPhail, S., Wyld, D., Skerman, H.	A sequential multiple assignment randomized trial (SMART) of nursing interventions to reduce pain associated with chemotherapy induced peripheral neuropathy
<b>Yates, P., Button, E.</b>	Chan, R., Blades, R., <b>Yates, P.</b> , McPhail, S., Dickie, G., Wyld, D., Sylvander, S., Crowe, S., <b>Button, E.</b> , Walsh, C., Keller, J., Jones, L.	A non-blinded, randomised, controlled, superiority trial of StrataXRT® versus 10% Glycerine (Sorbolene) cream for prophylaxis and management of radiation dermatitis in head and neck cancer patients receiving radical radiotherapy with or without concurrent systemic therapy

## 2018 Collaborative Research Activity involving RBWH Research Group / Department

Collaborative Lead Researchers	RBWH Researchers	Research Project Title
Danby, S., Ekberg, S., Rendle-Short, J., <b>Yates, P.</b> , Herbert, A., Bradford, N., Bluebond-Langner, M.	<b>Yates, P.</b>	Extraordinary yet mundane talk: children navigating palliative care
Bradford, N., <b>Yates, P.</b> , Chan, R. & Tjondronegoro, D.	<b>Yates, P.</b>	RESPONse: Remote Symptom Management in Paediatric Oncology
Juraskova, I., Butow, P., Laidsaar-Powell, R., Boyle, F., <b>Yates, P.</b> , Schofield, P., Kay, J. and Costa, D.	<b>Yates, P.</b>	Empowering the clinician-patient-carer TRIO: RCT of novel online education modules to facilitate effective family carer involvement in oncology
Hoy, W., Healy, H., Connelly, L., Mitchell, G., Panaretto, K., Endre, Z., Coombes, J., Gobe, G., Bonner, A., Fassett, R., White, B., <b>Douglas, C.</b> , Nelson, C., Leon, D., Waugh, D., Kulkarni, H., Tan, K.-S., Brown, M., Jose, M., <b>Yates, P.</b>	<b>Yates, P.</b>	Chronic Kidney Disease Centre for Research Excellence
Ekberg, S., <b>Yates, P.</b> , Danby, S., Herbert, A., Bradford, N.	<b>Yates, P.</b>	The 'So Many Questions' Project

## 2018 Research Awards and Achievements

Recipient	Award	Event
<b>Patsy Yates</b>	The Association of Queensland Nursing and Midwifery Leaders (AQNML) 2018 Outstanding Achievement in Nursing/Midwifery Award	The Association of Queensland Nursing and Midwifery Leaders (AQNML) Annual Conference
<b>Patsy Yates</b>	Awarded title of Distinguished Professor in recognition of outstanding achievements and ground-breaking research in cancer and palliative care nursing	
<b>Patsy Yates</b>	Oncology Nursing Society (ONS) Distinguished Researcher Award	Oncology Nursing Society (ONS) Congress 2018
<b>Janet Hardy</b>	Nominee, Individual Award	2018 Mercy Day Mission Awards
<b>Janet Hardy</b>	Bill Siganto Award	2018 Young Investigator Symposium and Mater Research Awards for Research Excellence

## 2018 Research Grants – Awarded

Investigators <i>(RBWH staff in bold)</i>	RBWH Research Groups/ Departments	Project Title	Granting Body	Amount in 2018	Total Amount <i>(years)</i>
<b>Hardy, J.</b> , Good, P., Lintzeris, N., Martin, J., <b>Yates, P.</b> , Chye, R., Haywood, A., Olsen, R.	Centre for Palliative Care Research and Education	Medicinal cannabinoids to relieve symptom burden in the palliative care of patients with advanced cancer	The Commonwealth of Australia, Department of Health, Medical Research Future Fund	\$203,556	\$1,363,040 (2018-2021)
Danby, S., Ekberg, S., Rendle-Short, J., <b>Yates, P.</b> , Herbert, A., Bradford, N., Bluebond-Langner, M.	Centre for Palliative Care Research and Education	Extraordinary yet mundane talk: children navigating palliative care	Australian Research Council Discovery Grant	\$320,376	\$588,592 (2018-2021)
Bradford, N., <b>Yates, P.</b> , Chan, R. & Tjondronegoro, D.	Centre for Palliative Care Research and Education	RESPONse: Remote Symptom Management in Paediatric Oncology	Children's Health Foundation Queensland	\$18,350	\$255,370 (2018-2020)
Juraskova, I., Butow, P., Laidsaar-Powell, R., Boyle, F., <b>Yates, P.</b> , Schofield, P., Kay, J. & Costa, D.	Centre for Palliative Care Research and Education	Empowering the clinician-patient-carer TRIO: RCT of novel online education modules to facilitate effective family carer involvement in oncology	Cancer Australia and Cancer Council NSW	\$197,065	\$593,202 (2018-2020)
<b>Yates, P.</b> , Mitchell, G., Currow, D., Eagar, K., Edwards, H., Gardner, G., Willmott, L., Bonner, A., Clark, R., Tieman, J.	Centre for Palliative Care Research and Education	Centre for Research Excellence in End of Life Care	National Health and Medical Research Council	\$213,260	\$2,495,543 (2013-2019)
Hoy, W., Healy, H., Connelly, L., Mitchell, G., Panaretto, K., Endre, Z., Coombes, J., Gobe, G., Bonner, A., Fassett, R., White, B., Douglas, C., Nelson, C., Leon, D., Waugh, D., Kulkarni, H., Tan, K.-S., Brown, M., Jose, M., <b>Yates, P.</b>	Centre for Palliative Care Research and Education	Chronic Kidney Disease Centre for Research Excellence	NHMRC CRE in Health Services	\$67,918	\$2,496,981 (2014-2019)
<b>Yates, P.</b> , Carter, R.	Centre for Palliative Care Research and Education	TrueNTH Solutions: an integrated multi-component intervention to improve the lives of men with prostate cancer in Australia	The Movember Group – True NTH	\$369,347	\$1,365,755 (2014-2019)
Ekberg, S., <b>Yates, P.</b> , Danby, S., Herbert, A., Bradford, N.	Centre for Palliative Care Research and Education	The 'So Many Questions' Project	Gilead Sciences Europe Ltd	--	\$56,749 (2017-2018)
<b>Yates, P.</b> , Alexander, K., Miaskowski, C., Chan, R., McCarthy, A., McPhail, S., Wyld, D., Skerman, H.	Centre for Palliative Care Research and Education	A sequential multiple assignment randomized trial (SMART) of nursing interventions to reduce pain associated with chemotherapy induced peripheral neuropathy	National Health and Medical Research Council	\$208,685	\$713,418 (2017-2021)
Chan, R., Blades, R., <b>Yates, P.</b> , McPhail, S., Dickie, G., Wyld, D., Sylvander, S., Crowe, S., <b>Button, E.</b> , Walsh, C., Keller, J., Jones, L.	Centre for Palliative Care Research and Education	A non-blinded, randomised, controlled, superiority trial of StrataXRT <sup>®</sup> versus 10% Glycerine (Sorbolene) cream for prophylaxis and management of radiation dermatitis in head and neck cancer patients receiving radical radiotherapy with or without concurrent systemic therapy	Stratpharma	\$53,978	\$112,000 (2016-2018)
<b>Hardy, J.</b> , <b>Yates, P.</b> , Miakowski, C., Good, P., Skerman, S.	Centre for Palliative Care Research and Education	Assessing the influence of genetic variation on symptom clusters in men with castrate resistant prostate cancer	Mater Medical Research Institute Seeding Grant	\$5,000	\$20,000 (2015-2018)

## 2018 Research Grants – Awarded (cont)

Investigators (RBWH staff in bold)	RBWH Research Groups/ Departments	Project Title	Granting Body	Amount in 2018	Total Amount (years)
Hardy, J., Good, P., Olsen, R.	Centre for Palliative Care Research and Education	Talking about death: a study into palliative care communication	Mater Medical Research Institute Seeding Grant	\$5,000	\$19,320 (2016-2018)
Good, P., Sullivan, K., Woodward, N, <b>Hardy, J.</b>	Centre for Palliative Care Research and Education	An open label pilot study of oral water soluble contrast (Gastrografin) in addition to conservative management for the resolution of malignant bowel obstruction in adult patients	Mater Medical Research Institute Seeding Grant	\$5,000	\$20,000 (2015-2018)
<b>Hardy, J.</b> , Olsen, R., Good, P.	Centre for Palliative Care Research and Education	A qualitative study of cancer patients' perceptions and attitudes toward use of medicinal cannabinoids in palliative care	Mater Medical Research Institute Seeding Grant	\$5,000	\$19,496 (2017-2019)
Good, P., <b>Hardy, J.</b>	Centre for Palliative Care Research and Education	Assessing physical activity as an outcome of pain management in patients with advanced cancer	Mater Medical Research Institute Seeding Grant	\$5,000	\$20,000 (2017-2019)
Cross, J., Good, P., <b>Hardy, J.</b> , Martin, J., Galettis, P., Zeng, L.	Centre for Palliative Care Research and Education	Using pharmacokinetic and pharmacodynamics data to optimise cannabinoid dosing in palliative care setting	Mater Medical Research Institute Seeding Grant	\$10,000	\$20,000 (2018-2019)
Richard, E., Mitchell, G., Nikles, J., Good, P., Senior, H., Steadman, K., <b>Hardy, J.</b>	Centre for Palliative Care Research and Education	Oral pilocarpine tablets for xerostomia	Mater Medical Research Institute Seeding Grant	\$10,000	\$19,947 (2018-2019)
Good, P., <b>Hardy, J.</b>	Centre for Palliative Care Research and Education	A randomised, controlled, double blind study of ondansetron versus olanzapine versus haloperidol in patients with cancer and nausea not related to anticancer therapy. A pilot study (Nausea 4 study)	University of Technology Sydney	\$10,000	\$19,947 (2018-2019)
<b>Hardy, J.</b>	Centre for Palliative Care Research and Education	Research into prostate cancer	Mater Medical Research, Bill Siganto Award	\$10,000	\$10,000 (2018-2019)

## 2018 Research Publications

### Journal Articles:

1. **Button, E., Gavin, N.,** Chan, R., Chambers, S., Butler, J. & **Yates, P.** Clinical indicators that identify risk of deteriorating and dying in people with a hematological malignancy: a case-control study with multivariable analysis. *Journal of Palliative Medicine*, (2018), 21(12), 1729-1740
2. Mitchell, G., Senior, H., Johnson, C., Fallon--Ferguson, J., Williams, B., Monterosso, L., Rhee, J., McVey, P., Grant, M., Aubin, M., Nwachukwu, H. & **Yates, P.** Systematic review of general practice end-of-life symptom control. *BMJ Supportive & Palliative Care*, (2018), 8(4), 411-420
3. Ekberg, S., Bradford, N., Herbert, A., Danby, S & **Yates, P.** Healthcare users' experiences of communicating with healthcare professionals about children who have life-limiting conditions: a qualitative systematic review. *Journal of Palliative Medicine*, (2018), 21(10), 1518-1528
4. Willmott, L., White, B., Piper, D., **Yates, P.**, Mitchell, G. & Currow, D. Providing palliative care at the end of life: Should health professionals fear regulation? *Journal of Law & Medicine*, (2018), 26(1), 214-245
5. McCarthy, A.L., Pell, N.M., Gillespie, K.M., Berry, R., Walpole, E., **Yates, P.** & Hubbard, R.E. Validation of a frailty index in older cancer patients with solid tumours. *BMC Cancer*, (2018), 18:892
6. Seib, C., Porter-Steele, J., Ng, S.K., Turner, J., McGuire, A., McDonald, N., Balaam, S., **Yates, P.**, McCarthy, A. & Anderson, D. Life stress and symptoms of anxiety and depression in women after cancer: The mediating effect of stress appraisal and coping. *Psycho-Oncology*, (2018), 27(7), 1787-1794

### Journal Articles (cont):

7. **Douglas, C.**, Schmalkuche, D., Nizette, D., **Yates, P.** & Bonner, A. Nurse-led services in Queensland: a scoping study. *Collegian*, (2018), 25(4), 363-370
8. Lo, W.-T., **Yates, P.** & Chan, R.J. Unmet supportive care needs and symptom burden in Taiwanese cancer survivors who have completed primary treatment. *European Journal of Oncology Nursing*, (2018), 35, 79-84
9. Chambers, S., Healy, H., Hoy, W., Kark, A., Ratanjee, S., Mitchell, G., **Douglas, C.**, **Yates, P.** & Bonner, A. Health service utilisation during the last year of life: A prospective, longitudinal study of the pathways of patients with chronic kidney disease stages 3-5. *BMC Palliative Care*, (2018), 17(1):57
10. Bonner, A., Chambers, S., Healy, H., Hoy, W., Mitchell, G., Kark, A., Ratanjee, S. & **Yates, P.** Tracking patients with advanced kidney disease in the last 12 months of life. *Journal of Renal Care*, (2018), 44(2), 115-122
11. Hardy, J., Skerman, H., Glare, P., Philip, J., Hudson, P., Mitchell, G., Martin, P., Spruyt, O., Currow, D. & **Yates, P.** (2018) A randomized open-label study of guideline-driven antiemetic therapy versus single agent antiemetic therapy in patients with advanced cancer and nausea not related to anticancer treatment. *BMC Cancer*, (2018), 18(1):510
12. Nguyen, L.T., Alexander, K. & **Yates, P.** Psychoeducational intervention for symptom management of fatigue, pain, and sleep disturbance cluster among cancer patients: A pilot quasi-experimental study. *Journal of Pain and Symptom Management*, (2018), 55(6), 1459-1472
13. Pidgeon, T., Johnson, C., Lester, L., Currow, D., **Yates, P.**, Allingham, S., Bird, S. & Eagar, K. Perceptions of the care received from Australian palliative care services: A caregiver perspective. *Palliative and Supportive Care*, (2018), 16(2), 198-208
14. Chan, R., **Button, E.**, Thomas, A., Gates, P. & **Yates, P.** Nurses attitudes and practices towards provision of survivorship care for people with a haematological cancer on completion of treatment. *Supportive Care in Cancer*, (2018), 26(5), 1401-1409
15. Chan, R., Marx, W., Bradford, N., Gordon, L., Bonner, A., **Douglas, C.**, Schmalkuche, D. & **Yates, P.** Clinical and economic outcomes of nurse-led services in the ambulatory care setting: a systematic review. *International Journal of Nursing Studies*, (2018), 81, 61-80
16. Turner, J., Mackenzie, L., Kelly, B., Clarke, D., **Yates, P.** & Aranda, S. Building psychosocial capacity through training of front-line health professionals to provide brief therapy: Lessons learned from the PROMPT study. *Supportive Care in Cancer*, (2018), 26(4), 1105-1112
17. Munday, J., Osborne, S. & **Yates, P.** Intrathecal morphine-related perioperative hypothermia in women undergoing cesarean delivery: A retrospective case-control study. *Journal of PeriAnesthesia Nursing*, (2018), 33(1), 3-12
18. Munday, J., Osborne, S., **Yates, P.**, Sturgess, D, Jones, L & Gosden, E. Preoperative warming versus no preoperative warming for maintenance of normothermia in women receiving intrathecal morphine for cesarean delivery: a single blinded, randomized controlled trial. *Anesthesia & Analgesia*, (2018), 126(1), 183-189
19. Good, P., Pinkerton, R., Bowler, S., Craig, J., **Hardy, J.** Impact of opioid therapy on sleep and respiratory patterns in adults with advanced cancer receiving palliative care. *Journal of Pain and Symptom Management*, (2017), Dec 2. pii: S0885-3924(17)30691-7. doi: 10.1016/j.jpainsymman.2017.11.026. [Epub ahead of print] 2018, Mar 55 (3):962-967
20. Heng, S., Good, P., **Hardy, J.** A retrospective audit on usage of Diatrizoate Meglumine (Gastrografin®) for intestinal obstruction or constipation in patients with advanced neoplasms. *Palliative Medicine*, (2018), Jan 32(1)294-298 Epub 2017, Aug 14 <https://doi.org/10.1177/02692163177264>
21. Sullivan, K., Kingi, N., Vayne-Bossert, P., Good, P., & **Hardy, J.** Ref.: Ms. No. ijpn.2016.0075R1. Castrate Resistant Prostate Cancer: Lessons learnt from a pilot study in the Palliative Care Research population. *International Journal of Palliative Nursing*, (2018), Feb 2;24(2):96-98. doi: 10.12968/ijpn.2018.24.2.96
22. **Hardy, J.**, Skerman, H., Glare, P., Philip, J., Hudson, P., Mitchell, G., Martin, P., Spruyt, O., Currow, D., **Yates, P.** A randomized open-label study of guideline-driven antiemetic therapy versus single agent antiemetic therapy in patients with advanced cancer and nausea not related to anticancer treatment. *BMC Cancer*, (2018), May 2;18(1):510. doi: 10.1186/s12885-018-4404-8. PMID:29720113
23. Alqabandi, N., Haywood, A., Kindl, K., Khan, S., Good, P., **Hardy, J.** Managing diabetes at the end of life – a retrospective chart review of two health providers in Queensland, Australia *Progress in Palliative Care* (in review)
24. McCaffrey, N., Flint, T., Kaambwa, B., Fazekas, B., Rowett, D., Currow, D., **Hardy, J.**, Agar, M., Quinn, S., Eckermann, S. "Economic evaluation of the randomised, double-blind, placebo-controlled study of subcutaneous ketamine in the management of chronic cancer pain". *Palliative Medicine* (epub) <https://doi.org/10.1177/0269216318801754>
25. King, M., Agar, M., Currow, D., **Hardy, J.**, Fazekas, B., McCaffrey, N. Assessing quality of life in palliative care settings: Head-to-head comparison of four patient-reported outcome measures (EORTC QLQ-C15-PAL, FACIT-Pal, FACIT-Pal-14, FACT-G7)". *Supportive Care in Cancer* (submitted).

### Book Chapters / Letter publications:

1. **Yates, P.** Editorial. Design Thinking: can it enhance nursing research? *Cancer Nursing*, (2018), 41(4), 344-345.

## 2018 Conference Presentations – Invited Speaker, Oral and Poster

### Invited Speakers:

1. **Yates, P.** From research to bedside: how to decrease the gap. Taiwan Oncology Nursing Society and National Taiwan University Hospital Conference, Taiwan, 30<sup>th</sup> November 2018
2. **Yates, P.** Technology enabled interventions to promote self-management for cancer patients. Far Eastern Memorial Hospital Annual Nursing Conference, Taiwan, 30<sup>th</sup> November 2018
3. **Yates, P.** The evolving evidence base for cancer nursing: Key trends and their implications for practice. Southern China International Conference on Evidence-Based Nursing and Midwifery Practice 2018, Guangzhou, China, 19<sup>th</sup> November 2018
4. **Yates, P.** Nursing leadership in cancer care. Blood 2018, Brisbane, Australia, 23<sup>rd</sup> October 2018

### Invited Speakers: (cont):

5. **Yates, P.** Needs of survivors and health professionals. 2018 World Cancer Congress, Kuala Lumpur, Malaysia, 3<sup>rd</sup> October 2018
6. **Yates, P.** Presidential Address. International Conference on Cancer Nursing, Auckland, New Zealand, 25<sup>th</sup>-27<sup>th</sup> September 2018
7. **Yates, P.** Personalised health care: the role of cancer nurses. 2018 Chinese Conference on Oncology, Shenyang, China, 19<sup>th</sup> August 2018
8. **Yates, P.** ONS Spotlight on Award Winners (Distinguished Researcher). ONS 43<sup>rd</sup> Annual Congress, Washington, DC, USA, 19<sup>th</sup> May 2018
9. Delaforce, A., **Hardy, J.**, Duff, J., Munday, J. Blood 2018: Combined Annual Scientific Meeting of the Haematology Society of Australia & New Zealand, Australian & New Zealand Society of Blood Transfusion and Thrombosis and Haemostasis Society of Australia & New Zealand, Brisbane, Australia, 21<sup>st</sup>-24<sup>th</sup> October 2018
10. Brimblecombe, C., Bressel, M., **Hardy, J.**, Chye, R., Spruyt, O. Pain prevalence and severity, and adequacy of analgesia, amongst palliative radiotherapy patients in Australia. ANZSPM Biannual Conference 2018, Sydney, Australia, 7<sup>th</sup>-9<sup>th</sup> September 2018
11. Cupples, G., Spitzer, M., Good, P., **Hardy, J.** Designing a trial of medicinal cannabis for palliative care in Queensland. ANZSPM Biannual Conference 2018, Sydney, Australia, 7<sup>th</sup>-9<sup>th</sup> September 2018
12. **Hardy, J.**, Bundock, D., Cross, J., Kindl, K., Gibbons, K., Good, P., Philip, J. Qtc prolongation in patients with advanced cancer. ANZSPM Biannual Conference 2018, Sydney, Australia, 7<sup>th</sup>-9<sup>th</sup> September 2018
13. **Hardy, J.**, Good, P. The place of medicinal cannabis in palliative care. Catholic Health Australia Research Symposium, Mater Hospital, Brisbane, Australia, 1<sup>st</sup> June 2018
14. Good, P., **Hardy, J.**, Skerman, H., **Yates, P.** A randomized, controlled, double blind study of oral methotrimeprazine versus oral haloperidol in patients with cancer and nausea not related to anticancer therapy (Nausea study 3). PaCCSC 9<sup>th</sup> Annual Research Forum, Sydney, Australia, 27<sup>th</sup> February 2018
15. **Hardy, J.**, Skerman, H., Martin, P., Phillip, J., Hudson, P., Currow, D., Mitchell, G., Glare, P., **Yates, P.** A randomised, controlled, double blind study of oral methotrimeprazine versus oral haloperidol in patients with cancer and nausea not related to anticancer therapy (Nausea study 3). IAPCON 2018, 25<sup>th</sup> Annual Conference of the Indian Association of Palliative Care, Aims, New Delhi, India, 23<sup>th</sup>-25<sup>th</sup> February 2018.

### Oral Presentations:

1. Tapsall, D., **Yates, P.** & Alexander, K. The relationship between structural and psychological empowerment and participation in continuing professional development in oncology nurses. International Conference on Cancer Nursing, Auckland, New Zealand, 25<sup>th</sup>-27<sup>th</sup> September 2018
2. Ash, K. & **Yates, P.** Palliative Care Curriculum for Undergraduates (PCC4U): building capacity in Australian new graduate nurses. International Conference on Cancer Nursing, Auckland, New Zealand, 25<sup>th</sup>-27<sup>th</sup> September 2018
3. **Yates, P.** Academic-service partnerships in nursing and midwifery: creating the future for health care. AQNML Nursing & Midwifery Leaders Conference 2018, Brisbane, Australia, 2<sup>nd</sup> August 2018
4. Alexander, K., Monterosso, L., **Yates, P.**, Miaskowski, C. & Larkin, D. New to Research. Pre-Congress Symposium, CNSA 21<sup>st</sup> Annual Congress, Brisbane, Australia, 21<sup>st</sup> June, 2018
5. **Yates, P.** & Grealish, L. Coming of age – reflections on the past to chart the future of CNSA. CNSA 21<sup>st</sup> Annual Congress, Brisbane, Australia, 23<sup>rd</sup> June 2018
6. **Yates, P.** Alternative trial design to traditional RCTs in primary care research. PC4 Scientific Symposium, Sydney, Australia, 25<sup>th</sup> May 2018
7. Ash, K. & **Yates, P.** Palliative Care Curriculum for Undergraduates (PCC4U): a decade on. PCNA 7<sup>th</sup> Biennial Conference, Brisbane, Australia, 20<sup>th</sup> & 21<sup>st</sup> May 2018
8. Northfield, S., Chan, R., Rosenberg, J. & **Yates, P.** Factors associated with patient access to specialist palliative care services in an acute cancer care setting. PCNA 7<sup>th</sup> Biennial Conference, Brisbane, Australia, 20<sup>th</sup> & 21<sup>st</sup> May 2018
9. Northfield, S., Chan, R., Rosenberg, J. & **Yates, P.** Identifying the factors that influence cancer nurses advocating for patient referrals to specialist palliative care services: a national survey. PCNA 7<sup>th</sup> Biennial Conference, Brisbane, Australia, 20<sup>th</sup> & 21<sup>st</sup> May 2018
10. Chan, R., Marx, W., Bradford, N., Gordon, L., Bonner, A., **Douglas, C.**, Schmaulkuhke, D. & **Yates, P.** Planning a nurse-led service in the ambulatory setting: what can we learn from the literature? MNHHS Nursing and Midwifery Conference, Brisbane, Australia, 1<sup>st</sup> March 2018
11. Hughes, J., **Yates, P.**, Spencer, L. & Alexander, K. The experience of care of patients presenting in pain to the emergency department. MNHHS Nursing and Midwifery Conference, Brisbane, Australia, 1<sup>st</sup> March 2018
12. **Hardy, J.** Palliative care research – the UQ experience. Palliative Care Queensland Annual Summit, Brisbane Exhibition and Convention Centre, Brisbane, Australia, 3<sup>rd</sup> December 2018
13. **Hardy, J.** The impact of novel therapies on the integration of palliative medicine and cancer care. Brisbane Cancer Conference, Brisbane Convention Centre, Brisbane, Australia, 29<sup>th</sup> November 2018
14. **Hardy, J.**, Skerman, H., Franzen, K., Good, P., **Yates, P.** A randomised, controlled, double blind study of oral methotrimeprazine versus oral haloperidol in patients with cancer and nausea not related to anticancer therapy. ANZSPM Biannual Conference 2018, Sydney, Australia, 7<sup>th</sup>-9<sup>th</sup> September 2018
15. **Hardy, J.** Current horizons in symptom pathophysiology and treatment – nausea. (Plenary) ANZSPM Biannual Conference 2018, Sydney, Australia, 7<sup>th</sup>-9<sup>th</sup> September 2018
16. **Hardy, J.**, Bundock, D., Cross, J., Kindl, K., Gibbons, K., Good, P., Philip, J. Qtc prolongation in patients with advanced cancer. ANZSPM Biannual Conference 2018, Sydney, Australia, 7<sup>th</sup>-9<sup>th</sup> September 2018

### Oral Presentations: (cont):

17. Brimblecombe, C., Bressel, M., **Hardy, J.**, Chye, R., Spruyt, O. Pain prevalence and severity, and adequacy of analgesia, amongst palliative radiotherapy patients in Australia. ANZSPM Biannual Conference 2018, Sydney, Australia, 7<sup>th</sup>-9<sup>th</sup> September 2018
18. **Hardy, J.**, Good, P. The place of medicinal cannabis in palliative care. Catholic Health Australia Research Symposium, Mater Hospital, Brisbane, Australia, 1<sup>st</sup> June 2018
19. Good, P., **Hardy, J.**, Skerman, H., **Yates, P.** A randomized, controlled, double blind study of oral methotrimeprazine versus oral haloperidol in patients with cancer and nausea not related to anticancer therapy (Nausea study 3). PaCCSC 9<sup>th</sup> Annual Research Forum, Sydney, Australia, 27<sup>th</sup> February 2018
20. King, M., Agar, M., Currow, D., **Hardy, J.**, Fazekas, B., McCaffrey, N. Assessing quality of life in palliative care settings: head-to-head comparison of four patient-reported outcome measures (PROMs). PaCCSC 9<sup>th</sup> Annual Research Forum, Sydney, Australia, 27<sup>th</sup> February 2018
21. **Hardy, J.**, Skerman, H., Martin, P., Phillip, J., Hudson, P., Currow, D., Mitchell, G., Glare, P., **Yates, P.** A randomised, controlled, double blind study of oral methotrimeprazine versus oral haloperidol in patients with cancer and nausea not related to anticancer therapy (Nausea study 3). IAPCON 2018, 25<sup>th</sup> Annual Conference of the Indian Association of Palliative Care, Aims, New Delhi, India, 23<sup>th</sup>-25<sup>th</sup> February 2018.

### Poster Presentations:

1. Northfield, S., **Button, E.**, Wyld, D., **Gavin, N.**, Nasato, G. & **Yates, P.** Models of care for reducing the use of emergency departments by adult cancer patients: a narrative review. CNSA 21<sup>st</sup> Annual Congress, Brisbane, Australia, 21<sup>st</sup>-23<sup>rd</sup> June 2018
2. Matthews, R., **Yates, P.** & Chan, R. Education and training for healthcare professionals to deliver end-of-life care in the acute care setting: a literature review. CNSA 21<sup>st</sup> Annual Congress, Brisbane, Australia, 21<sup>st</sup>-23<sup>rd</sup> June 2018
3. Chan, R., **Yates, P.** & Molasiotis, A. Cancer survivorship in 10 Asia Pacific Countries: what can we learn from a study of 1873 cancer survivors and 1501 oncology practitioners? ONS 43<sup>rd</sup> Annual Congress, Washington, DC, USA, 17<sup>th</sup>-20<sup>th</sup> May 2018
4. Tapsall, D., **Yates, P.** & Alexander, K. The relationship between structural and psychological empowerment and participation in continuing professional development by oncology nurses. ONS 43<sup>rd</sup> Annual Congress, Washington, DC, USA, 17<sup>th</sup>-20<sup>th</sup> May 2018
5. Huang, Y.-L., **Yates, P.** & Wu, C.-J. Social ecological influences on preferences for care provided at the end of life amongst Taiwanese city-dwelling adults: a social ecological model of preferences for end-of-life care. PCNA 7<sup>th</sup> Biennial Conference, Brisbane, Australia, 20<sup>th</sup> & 21<sup>st</sup> May 2018.

### Other Communications and Outputs:

#### Published Abstracts:

Rosenberg, J., Chambers, S., **Yates, P.** Decision Assist – Palliative Aged Care Linkages Project. Seven strategies to promote linkages between aged care and palliative care: Results of a systematic literature review. *Palliative Medicine*, (2018), 32(15), 42

Mitchell, G., Decks, L., Rosenberg, J., Kelly, M., Carmont, S.A. & **Yates, P.** Understanding the general practitioner's clinical recognition of impending end of life and subsequent clinical practice: A qualitative study. *Palliative Medicine*, (2018), 32 (15), 212.

#### Workshops/Other Presentations:

**Yates, P.** How does enhancing partnerships contribute to professional standards and practice? MNHHS Nursing and Midwifery Workshop, Brisbane, Australia, 17<sup>th</sup> October 2018

**Yates, P.** What is working for extending scope of practice for nursing? Queensland Health's "Improving Healthcare in Queensland through Innovative Service Delivery Models" Workshop, Brisbane, Australia, 27<sup>th</sup> June 2018

**Yates, P.** End of Life Care. ACN Policy Summit, Canberra, Australia, 20<sup>th</sup> April 2018

**Yates, P.** Palliative care service delivery. Parliamentary Friends End of Life Group Lunchbox at Parliament House, Canberra, Australia, 27<sup>th</sup> February 2018

**Yates, P.** Designing a clinical research project. Introduction to Clinical Research for Health Professionals, 2018 MNHHS Research Education Program, RBWH, Brisbane, Australia, 13<sup>th</sup> February 2018

**Hardy, J.** An evidence-based approach to pain management in patients with advanced cancer. Brisbane Pain Research: Multidisciplinary Perspectives and Therapeutics, Institute for Molecular Bioscience. University of Queensland, Brisbane, Australia, 7<sup>th</sup> December 2018

**Hardy, J.** Symptomatic treatment of dyspnoea – what works, what doesn't? Mater Thursday Morning Education Session, Mater Health Services, Brisbane, Australia, 13<sup>th</sup> September 2018

**Hardy, J.** Symptomatic treatment of dyspnoea – what works, what doesn't? Queensland Branch of the Thoracic Society of Australia & New Zealand Winter Meeting, Brisbane Convention Centre, Brisbane, Australia, 21<sup>st</sup> July 2018

**Hardy, J.**, Skerman, H., Martin, P., Phillip, J., Hudson, P., Currow, D., Mitchell, G., Glare, P., **Yates, P.** A randomised, controlled, double blind study of oral methotrimeprazine versus oral haloperidol in patients with cancer and nausea not related to anticancer therapy (Nausea study 3). Palliative Care Interest Group, Herston, Australia, 19<sup>th</sup> June 2018.

## Herston Imaging Research Facility



**Paul Thomas**  
**Director**  
 Herston Imaging Research Facility

The Herston Imaging Research Facility (HIRF) is a dedicated facility for human imaging research on the RBWH campus. The facility houses one of only four combined PET and MR scanners in Australia, as well as a 3T Prisma MRI scanner and a PET/CT scanner. HIRF is an alliance of four partners: Queensland University of Technology, University of Queensland, Metro North Hospital and Health Service, and Queensland Institute of Medical Research-Berghofer. Researchers from all of the partners, as well as external institutions, collaborate on imaging research at HIRF. HIRF also collaborates closely with the radiopharmaceutical laboratory of the nuclear medicine department at RBWH to make available a wide variety of PET tracers for researchers to use at HIRF.

HIRF is operated as a unit of RBWH, utilising RBWH radiographers and nuclear medicine technologists to operate the scanners. Being a stand-alone facility separate to the clinical radiology and nuclear medicine departments, HIRF offers greater access and booking certainty to imaging scanners than is possible in a busy clinical environment. As well as offering a pleasant environment for research participants, HIRF reduces the research load on clinical scanners, reducing impact on clinical wait-list times. In 2018, HIRF undertook research imaging for more than 10 new and on-going commercial clinical trials by pharmaceutical companies.

Since opening in 2015 HIRF has seen considerable growth in the number of research projects and scan volumes as well as complexity and diversity of imaging projects. By the end of 2018 scan numbers were routinely more than 100 per month and over 50 research studies were actively recruiting. There are also many studies in the pre-start-up phase with commencement planned for 2019. 2018 saw the appointment of Associate Professor Katie McMahon as deputy director of HIRF. Katie brings great

expertise in MR imaging and physics and a strong track record in MR research to HIRF and she has provided valuable support to researchers seeking to undertake MR projects at HIRF. A further round of HIRF seed grants in 2018 resulted in four successful grants covering research projects in stroke, post traumatic dysarthria, mild traumatic brain injury, and cerebral hypoxia. These grants are designed to interest researchers new to imaging to initiate imaging research programmes. A further objective is to provide researchers with pilot data to facilitate external grant applications.

A new initiative in 2018 was to provide a dedicated officer to assist researchers with ethics and governance applications. This was very successful and greatly assisted busy clinicians to move their projects through the approval process and allowed more rapid project commencement. Significant improvements in IT capability during the year resulted in most researchers having electronic distribution of research images, considerably reducing the time required to access images. A new RIS/PACS has also speeded up turnaround times for safety reads on research images. 2018 was also marked by increased collaboration activity between HIRF and research groups, including the Jamieson Trauma Institute, CSIRO and the Biofabrication Facility.

This year HIRF has made significant contributions many projects that relate to neurocognition and neuropsychiatry that attempt to define and understand the causes of melancholic depression, the ageing process and dementia, Parkinson's disease and the effects of deep brain stimulation. These studies have resulted in publications in top-tier journals such as Nature Neuroscience and Nature Communications and the journal of the American Association of Physicists in Medicine.

### 2018 HIRF Scientific Advisory Committee

Name	Title	Role	Collaborative Partner
<b>A/Prof Paul Thomas</b>	Associate Professor	Director of HIRF	RBWH, HIRF and Dept of Nuclear Medicine
<b>A/Prof Katie McMahon</b>	Associate Professor	Deputy Director of HIRF	QUT, School of Clinical Sciences
<b>Ms Louise Campbell</b>		Operations Manager of HIRF	RBWH, HIRF and Dept of Nuclear Medicine
<b>Prof Michael Breakspear</b>	Professor	Programme Co-ordinator of Mental Health Research	QIMR-Berghofer
<b>Dr Lizbeth Kenny AO</b>	Professor	Senior Radiation Oncologist, Medical Director – Central Integrated Regional Cancer Service	UQ, School of Medicine, RBWH, Dept of Radiation Oncology
<b>Prof Greig de Zubicaray</b>	Professor	Deputy Director	QUT, Institute of Health and Biomedical Innovation
<b>Prof David Copland</b>	Professor	Senior Research Fellow – Speech Pathology and Language Neuroscience	UQCCR



## 2018 HIRF Scientific Advisory Committee (cont)

Name	Title	Role	Collaborative Partner
<b>Prof Pamela Rowntree</b>	Professor	Director of Academic Programmes	QUT, School of Clinical Sciences
<b>Prof Paul Cumming</b>	Professor	Senior Research Fellow	QUT, School of Psychology and Counselling
<b>Prof Graham Kerr</b>	Professor	Program Leader for Injury Prevention	QUT, Institute of Health and Biomedical Innovation
<b>Prof Alan Coulthard</b>	Professor	Senior Interventional Neuro-radiologist	UQ, School of Medicine, RBWH, Dept of Medical Imaging
<b>Prof Graham Galloway</b>	Professor	Director of Imaging Technology	UQ, Translational Research Institute
<b>Dr Thomas Gaass</b>	PhD	Senior Scientist MRI	Siemens Healthineers of Australia
<b>Dr Jurgen Fripp</b>	PhD	Senior Research Fellow	CSIRO, Australian e-Health Research Centre
<b>Dr Jye Smith</b>	PhD	Principal Medical Physicist	RBWH, Dept Nuclear Medicine
<b>Dr Marcus Gray</b>	PhD	Senior Research Fellow	UQ, Translational Research Institute
<b>Dr Konstantin Momot</b>	PhD	Senior Lecturer	QUT, Dept of Physics
<b>Dr Marita Prior</b>	PhD	Research Development	RBWH, Dept of Medical Imaging, HIRF

## 2018 Research Publications

### Journal Articles:

- Mosley PE, Smith D, Coyne T, Silburn P, Breakspear M, Perry A.** The site of stimulation moderates neuropsychiatric symptoms after subthalamic deep brain stimulation for Parkinson's disease. *NeuroImage: Clinical.* (2018) 18: 996-1006
- Gollo LL, Roberts JA, Cropley VL, Di Biase MA, Pantelis C, Zalesky A, Breakspear M.** Fragility and volatility of structural hubs in the human connectome. *Nature Neuroscience.* (2018) 21:1107-1116
- Jeganathan J, Perry A, Bassett DS, Roberts G, Mitchell PB, Breakspear M.** Fronto-limbic dysconnectivity leads to impaired brain network controllability in young people with bipolar disorder and those at high genetic risk. *NeuroImage: Clinical.* (2018) 19:71-81
- Cocchi L, Zalesky A, Nott Z, Whybird G, Fitzgerald PB, Breakspear M.** Transcranial magnetic stimulation in obsessive-compulsive disorder: A focus on network mechanisms and state dependence. *NeuroImage: Clinical.* (2018) 19:661-674
- Ren Y, Nguyen VT, Sonkusare S, Lv J, Pang R, Guo L, Eickhoff SB, Breakspear M, Guo C.** Effective connectivity of the anterior hippocampus predicts recollection confidence during natural memory retrieval. *Nature Communications.* (2018) 9:4875
- Cumming P, Burgher B, Patkar O, Breakspear M, Vasdev N, Thomas P, Liu G, Banati R.** Sifting through the surfeit of neuroinflammation tracers. *J Cerebral Blood Flow and Metabolism.* (2018) 38:204-224
- Hyett MP, Perry A, Breakspear M, Wen W, Parker GB.** White matter alterations in the internal capsule and psychomotor impairment in melancholic depression. *PLoS One.* (2018) doi.org/10.1371/journal.pone.0195672
- Lin HY, Cocchi L, Zalesky A, Lv J, Perry A, Tseng WYI, Kundu P, Breakspear M, Gau SSF.** Brain-behaviour patterns define a dimensional biotype in medication-naïve adults with attention-deficit hyperactivity disorder. *Psychological Medicine.* (2018) 48:2399-2408
- McLean B, Blakeman M, Carey L, Ward R, Novak I., Elliott C.** Discovering the sense of touch: protocol for a randomised controlled trial examining the efficacy of a somatosensory discrimination intervention for children with hemiplegic cerebral palsy. *BMC Pediatrics.* (2018). 18:252.

## 2018 Conference Presentations – Invited Speaker, Oral and Poster

### Invited Speakers:

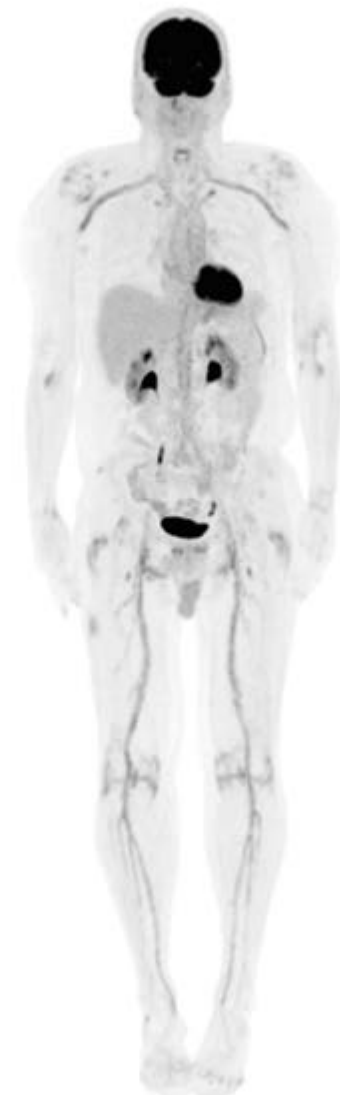
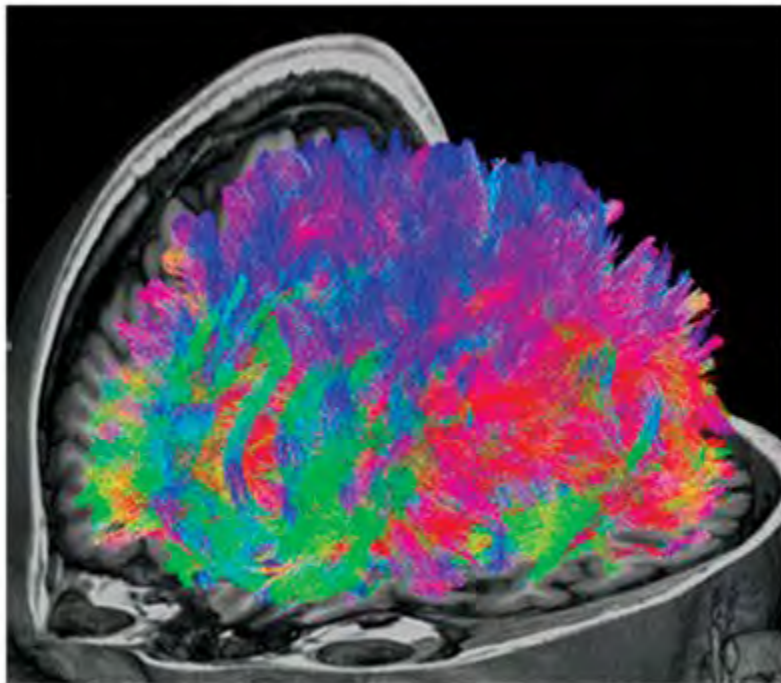
- McMahon KL.** 'HIRF Capabilities in Trauma'. 2018, Jameison Trauma Institute
- McMahon KL.** 'Markers of Language Recovery in Stroke'. 2018, QUT Clinical Sciences Research Seminar
- McMahon KL, Thomas P.** 'PET, MRI and Respiratory Research'. 2018, PCH Respiratory Grand Rounds
- Breakspear M.** 2018 Neuronal models of dynamic functional connectivity: Linking scales and data modalities, OHBM
- Thomas PA.** "Promising novel PET developments". Australian Lymphoma and Leukaemia Group Scientific Meeting Brisbane 2018
- Thomas PA.** "Imaging in the rapidly changing world of cancer therapeutics" Imaging @ Brisbane 2018, Brisbane
- Thomas PA.** "Theranostics: combining imaging diagnosis and therapy" Princess Alexandra Hospital Healthcare Symposium. 2018
- Thomas PA.** "Innovations in diagnostics/biomarkers" Jamieson Trauma Institute Intersections and Opportunities 2018.

**Oral Presentations:**

1. **Yang J.** 'Altered network connectivity during resting state in Parkinson's disease patients with mild cognitive impairment as a marker for dementia'. 2018, ACNS, Melbourne, Australia
2. **Guo, C.** 2018, Anterior hippocampal connectivity during natural memory retrieval predicts recall confidence. OHBM
3. **Saunus JM, Lim M, Puttick S, Kalita-de Croft P, Houston ZH, Jones ML, Latter MJ, Campbell LC, Thomas P, Jeffree RL, Rose SE, Mahler SM, Thurecht KJ, Scott AM, Lakhani SR.** Innovation in diagnosis and treatment of brain metastases using multifunctional nanomedicines. San Antonio Breast Cancer Symposium. 2018
4. **Gillman A, Smith J, Dowling J, Thomas P, Rose S, Dowson N.** Evaluation of techniques for data-driven PET-alone motion tracking World Federation of Nuclear Medicine and Biology Melbourne 2018
5. **McGuinness M, Ramsay S, Latter M, Thomas P, Bhatt M, Kyle S, Lee K, Pattison DA.** Variations in physiological radiopharmaceutical distribution between <sup>18</sup>F-PSMA-1007 and <sup>68</sup>Ga-PSMA-11 PET/CT. World Federation of Nuclear Medicine and Biology Melbourne 2018.

**Poster Presentations:**

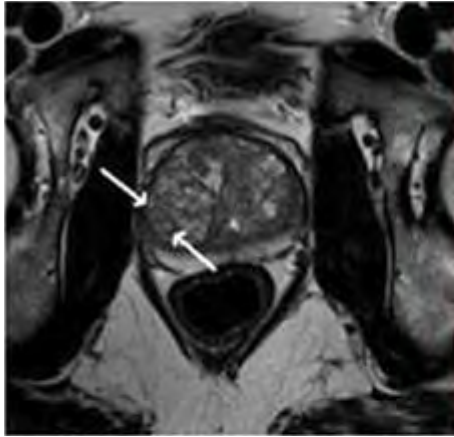
1. **Brownsett SLE, Ramajoo K, McMahon KL, Copland DA, Ong B, de Zubicaray GI.** Picture description versus picture naming-assessing language deficits. Aphasiology Symposium of Australia, Nov 28-29, Sunshine Coast 2018
2. **Gauvin H, Ramajoo K, Brownsett S, McMahon KL, de Zubicaray GI.** Testing embodied cognition with a large premotor cortex lesion – a single case study. Society for Neurobiology of Language, Quebec, Aug 16-19, 2018
3. **Gauvin H, McMahon KL, de Zubicaray GI.** Lexical selection and the elusive role of the left IFG: an fMRI study Society for Neurobiology of Language, Quebec, Aug 16-19, 2018
4. **Yang J, McMahon KL, Copland DA, Byrne GJ, Mitchell LK, O'Sullivan JD, Dissanayaka NNW.** 2018 Altered network connectivity during resting state in Parkinson's disease with mild cognitive impairment as a marker for dementia. Australia Dementia Forum. 4-5 June, Sydney, 2018
5. **Scott AP, Tey S, Thomas P, Pattison D, and Kennedy GA.** Targeted Molecular Imaging of Translocator Protein (TSPO) Using <sup>18</sup>FGE180-PET for the Diagnosis of Gastrointestinal Graft Versus host Disease (GI-GVHD). American Society of Hematology Annual Meeting San Diego 2018.



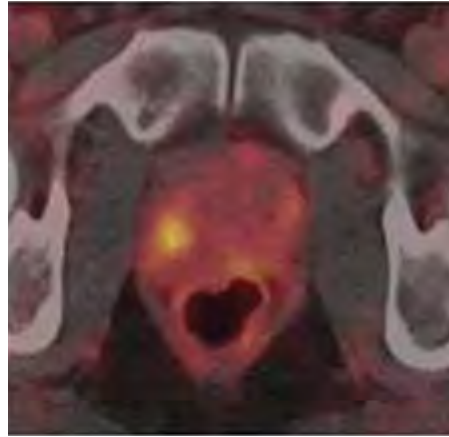
**Above:** Tracking the healthy white matter in the brain. The fibres are colour coded to indicate the direction they travel – Anterior-Posterior green, Left-Right red, Head-Foot blue

**Right:** Flurodeoxyglucose (FDG)- positron emission tomography (PET) image

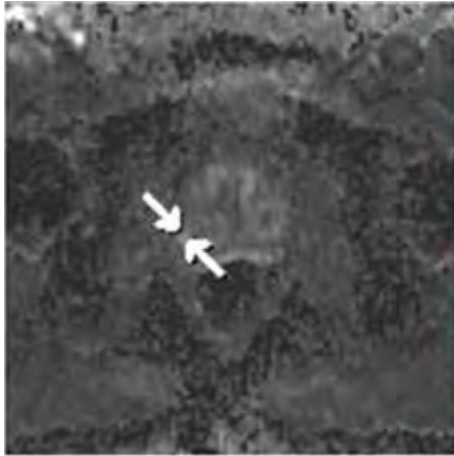
**MRI of the prostate:**  
*Ga-68 PMSA PET fused with the MRI image, showing a clear prostate cancer lesion (yellow)*



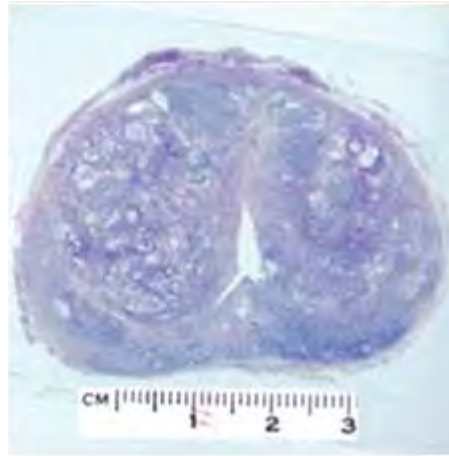
Prostate Cancer



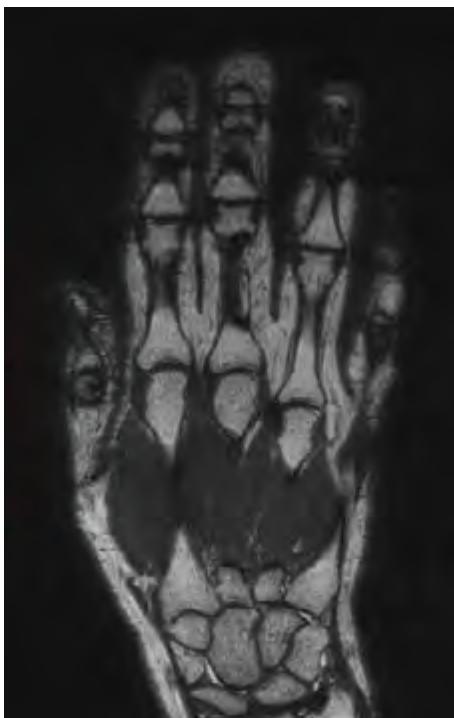
Histology of the prostate confirming cancer site



Diffusion MRI of the prostate



High resolution proton density SPACE image with magnetisation transfer contrast of a hand. Taken using a hand coil



Ga-68 PMSA PET image showing metastases of prostate cancer



## Jamieson Trauma Institute

The establishment of the Jamieson Trauma Institute (JTI) was first announced in November 2017, and funding agreements commenced in July 2018 with strong 5-year investment from Metro North HHS and the Motor Accident Insurance Commission (MAIC). A core team of staff have been recruited and importantly in August 2018, JTI welcomed Professor Michael Schuetz as the Director. The team includes senior research staff, rehabilitation chair, biostatistics, epidemiology and administrative staff. In addition, clinical representatives and honorary positions have been appointed with organisations including RBWH, Herston Imaging Research Facility, University of Queensland, Monash University, Royal Australian College of Surgeons, ADF UQ Military Medicine and Metro South HHS, developing collaborations with Queensland Brain Institute (UQ), Herston QUT Biofabrication Unit, rehabilitation services and research centres with plans to continue to grow collaborations and positions in the coming year.

The inaugural year has been highly productive with the establishment of governance structures, a Research Advisory Committee and External Advisory Committees to provide strategic guidance and accountability of invested funding. In 2018 JTI also established the Queensland Trauma and Burns Quality Assurance Committee (QTBOAC), a privileged committee to review opportunities for improvements in the management of patients with traumatic and burn injury in Queensland.

### JTI is developing key themes to focus the institutes research and direction, including:

- Quality and Data Analytics
- Injury Prevention and Epidemiology
- Clinical Trials
- Innovations, Diagnostics and Translation
- Education and Training
- Virtual Trauma Centre
- Rehabilitation and Outcome Measurement.

Jointly funded positions with AusHSI, QUT in Health Economics, and CSIRO have been established to commence in JTI in early 2019, to advance core research and support the advancement of the Queensland Trauma Data Warehouse development.

In 2018 the research team have been successful in grants and fellowship submissions including projects on opioid use following trauma and splenic trauma. In addition to numerous peer-reviewed research publications, JTI accepted their first PhD student enrolment and supported successful Clinical Fellowship applications. JTI hosted several visiting Fellows in 2018 with success in obtaining Visiting Fellow funding with QUT to host Prof Erwin Bottinger, Director of Digital Health from Hasso-Plattner Institute, Germany in 2019. A key research collaboration with CSDS, UQ, QUT and other partners is the Augmented/Virtual Reality project, to improve point of care support to remote clinicians by interactive Specialist Telepresence.

Multiple statewide data linkage studies have commenced including Opioid use post trauma; Outcomes from lower limb and pelvic fractures following land transport crashes; Injury Severity Measurement using ICD coding; Retrieval pathways following trauma. Events showcasing JTI research achievements occurred throughout 2018, culminating in the 'Intersections and Opportunities' event on 6<sup>th</sup> December 2018, at which the JTI website was also launched.

### Supervised Post-Graduate Research Students

Name <i>(RBWH staff in bold)</i>	Current Studies <i>(e.g. PhD, Masters etc.)</i> University <i>(duration)</i>	Research Project Title	Supervisors <i>(RBWH staff in bold)</i>
Adam Mahoney	PhD, UQ (2018 – current)	The spatial epidemiology of trauma in Queensland	<b>Michael Reade, Kirsten Vallmuur, Cate Cameron</b> , Kerrie Mengerson
Martha Druery	PhD, UQ (2014 – current)	Psychosocial outcomes post-major burn injuries in adults – a longitudinal exploratory study	<b>Jeff Lipman</b> , Peter Newcombe, <b>Cate Cameron</b>
Erin Pitt	PhD, GU (2013 – current)	Early childhood food consumption and dietary patterns: the influence of socio-economic and demographic factors and the food environment	Tracy Comans, <b>Cate Cameron</b> , Lukar Thornton, Danielle Gallegos
Catherine Niven	PhD, QUT (2017 – current)	Evaluating consumer product safety regulator responses to hazardous child products in Australia and USA to inform health and safety policies and improve the safety of Australian children	<b>Kirsten Vallmuur</b> , Ben Matthews
Kim Vuong	PhD, QUT (2015 – current)	Quads and Kids: understanding parents' knowledge, attitudes and beliefs about safety and risks	Angela Watson, Ioni Lewis, <b>Kirsten Vallmuur</b>
Caroline Gillespie	PhD, QUT (2015 – current)	Influencing Safety in Supply Chains: challenges and Opportunities for Businesses	<b>Kirsten Vallmuur</b> , Narelle Haworth, Darren Wishart

## 2018 Research Positions: Coordinators, Fellow, Adjunct and Honorary Positions

Name	Type of Fellowship	Research Program	University (years)
<b>Michael Schuetz</b>	Director/Chair of Trauma	Innovations, Diagnostics and Translation	QUT
<b>Kirsten Vallmuur</b>	Honorary Principal Research Fellow/MAIC Principal Research Fellow	Quality and Data Analytics	QUT
<b>Cate Cameron</b>	Principal Research Fellow/Adjunct Associate Professor	Injury Prevention and Epidemiology	QUT
<b>David Douglas</b>	Chair, Rehabilitation Medicine/Adjunct Associate Professor	Rehabilitation and Outcome Measurement	UQ
<b>Jacelle Warren</b>	Biostatistician	Quality and Data Analytics	
Michael Reade	Clinical Representative, Australian Defence Force/Professor of Military Medicine	Clinical Trials	UQ
<b>Carl Lisec</b>	Clinical Representative, Burns and Trauma/Senior Lecturer	Burns and Trauma	UQ
<b>Jason Brown</b>	Clinical Representative, Burns and Trauma	Burns and Trauma	
<b>Paul Thomas</b>	Clinical Representative, Diagnostics/Associate Professor	Innovations, Diagnostics and Translation	UQ
<b>Kevin Tetsworth</b>	Clinical Representative, Orthopaedics/Adjunct Associate Professor	Orthopaedic Trauma	UQ
Cliff Pollard	Honorary Clinical Representative/Adjunct Associate Professor	Virtual Trauma Centre (VTC): Augmented Reality and Virtual Reality in Trauma Care	UQ
Mark Midwinter	Honorary Clinical Representative/Professor of Clinical Anatomy	Virtual Trauma Centre (VTC): Augmented Reality and Virtual Reality in Trauma Care	UQ

## 2018 Current RBWH Research Group / Department Led Research Activity

RBWH Research Group/Department Lead Researchers	Collaborative Researchers	Research Project Title
<b>Cate Cameron</b>	Matthew Hope (PAH), <b>Andrew Mayo</b> , <b>Kevin Tetsworth</b> , <b>Cate Cameron</b> , <b>Jacelle Warren</b> , <b>Kirsten Vallmuur</b> , <b>Cliff Pollard</b>	The burden and cost of pelvic and lower extremity orthopaedic injuries from land transport crashes in Queensland
<b>Cate Cameron</b>	<b>Michael Muller</b> , <b>Michael Rudd</b> , <b>Jacelle Warren</b>	Epidemiology of burns patients admitted to the State-wide Adults Burns Service in Queensland: a 10-year review
<b>Cate Cameron</b>	Bill Loveday (MRQ); <b>Kirsten Vallmuur</b> , <b>Melanie Proper</b> , <b>Jacelle Warren</b> , <b>Cliff Pollard</b> ; Natalie Bradford, Nick Graves, Hannah Carter (QUT)	Prevalence and impact of opioid use pre- and post-trauma in Queensland: population-based data linkage study
<b>Kirsten Vallmuur</b>	Angela Watson (QUT); Paul Taylor (MAIC), <b>Cate Cameron</b> , <b>Jacelle Warren</b>	An examination of the quality of injury data and patterns, trends and burden of injury for informing establishment of a statewide trauma data warehouse
<b>Kirsten Vallmuur</b>	Angela Watson (QUT); Chris Uber (UQ); Belinda Gabbe (Monash Uni); James Harrison (Flinders Uni); Son Ngheim (Griffith Uni); <b>Cate Cameron</b> , <b>Jacelle Warren</b>	Evaluation of ICD-10-AM based injury severity estimation models
<b>Kirsten Vallmuur</b>	Angela Watson (QUT); Paul Taylor (MAIC), Michael Clacher (QLD Treasury); Sebastian Bielen (OIR); Andrew Currie (WorkCover), <b>Cate Cameron</b> , <b>Jacelle Warren</b>	Feasibility, requirements, and value of data linkage of motor vehicle accident compensation, workers compensation and health data in Queensland
<b>Cate Cameron</b>	<b>Michael Rudd</b> , <b>Cliff Pollard</b> , <b>Jacelle Warren</b> , <b>Kirsten Vallmuur</b> , <b>Olivia Zheng</b>	Evaluation of RBWH trauma service effectiveness
<b>Cate Cameron</b>	<b>Maura Desmond</b> , <b>Michael Rudd</b> , <b>Cliff Pollard</b> , Kerrienne Watt (JCU)	P.A.R.T.Y. Program Outcome Evaluation (2010-2018)
<b>Michael Schuetz</b>	Brett Droder (QUT)	Initial investigation into Checkpad MED and potential use for RBWH

## 2018 Collaborative Research Activity involving RBWH Research Group / Department

Collaborative Lead Researchers	RBWH Researchers	Research Project Title
Robert Andrews, Moe Thandar Wynn, Arthur ter Hofstede (QUT); Stephen Rashford, Emma Bosley (QAS); Mark Elcock (RSQ)	<b>Kirsten Vallmuur</b>	Identifying pre-hospital retrieval processes for road trauma patients in Queensland
Patrick Biggins (UQ)	<b>Michael Reade, Kirsten Vallmuur, Cate Cameron, Jacelle Warren</b>	The effect of time to definitive neurosurgical treatment on patient morbidity and mortality in isolated traumatic brain injury
Deb Theodoros, Louise Cahill (UQ)	<b>Jacelle Warren, Cate Cameron, Kirsten Vallmuur</b>	Distribution and type of inpatient allied health services provided to patients following road traffic crashes across Queensland

## 2018 Research Grants – Awarded

Investigators <i>(RBWH staff in bold)</i>	RBWH Research Groups/ Departments	Project Title	Granting Body	Amount in 2018	Total Amount <i>(years)</i>
Watson A, <b>Vallmuur K</b> , Siskind V, Sheehan M, Senserrick T	Jamieson Trauma Institute	Analysis of Queensland fatalities and serious injury crash characteristics and management by geographic region	MAIC	\$78,000	\$78,000 (2018)
<b>Vallmuur K</b> , Eley R, Roudenko A	Jamieson Trauma Institute	Understanding the patterns, circumstances and outcomes of power tool injuries presenting to the emergency department to inform a national safety campaign	IHBI Injury Prevention Program Seeding Grant	\$6,000	\$6,000 (2018)
Lystad R, Dear B, Johnstone M, Mitchell R, Braithwaite J, Wuthrich V, Amin J, <b>Cameron CM</b>	Jamieson Trauma Institute	Macquarie MINDS: Monitoring of Injury and psychosocial health outcomes, career trajectories and continuing education, LiveD experiences and Social connectedness	Macquarie University Seeding Grant	\$24,997	\$49,994 (2018-2019)

## 2018 Research Publications

### Journal Articles:

- Andrews R, Wynn MT, **Vallmuur K**, Hofstede AHM, Bosley E, Elcock M. Pre-hospital Retrieval and Transport of Road Trauma Patients in Queensland: a Process Mining Analysis. International Conference on Business Process Management. 2018
- Burgess J, Kimble R, Watt K, **Cameron CM**. Combining technology and research to prevent scald injuries: results from Cool Runnings randomised controlled trial. Journal of Medical Internet Research. 2018. <https://doi.org/10.2196/10361>
- Burgess J, Kimble R, Watt K, **Cameron CM**. Knowledge of childhood burn risks and burn first aid: Cool Runnings. Injury Prevention. 2018. <https://doi.org/10.1136/injuryprev-2017-042650>
- Cameron CM**, O'Leary P, Lakhani A, Osborne J, de Souza L, Hope K, Naimi MS, Khan H, Jawad QS, Majidi S. Violence Against Children in Afghanistan: Community Perspectives. Journal of Interpersonal Violence. 2018. <https://doi.org/10.1177/0886260518760610>
- Eley R, Catchpole J, **Vallmuur K**. Value of Emergency Department Triage Data for to Describe and Understand Patterns and Mechanisms of Cycling Injuries. Emergency Medicine Australasia. 2018. <https://doi.org/10.1111/1742-6723.13124>
- Judge C, Eley R, Miyakawa-Liu M, Brown N, McCosker L, Livesay G, Hughes J, **Vallmuur K**. The Characteristics of Accidental Injuries from Power Tools Treated at Two Emergency Departments in Queensland. Emergency Medicine Australasia. 2018
- Keijzers G, Sweeny A, Crilly J, Good N, **Cameron CM**, Mihala G, Scott R, Scuffham P. Parental-reported allergic disorders and Emergency Department presentations for allergy in the first five years of life: a longitudinal birth cohort. BMC Pediatrics. 2018. <https://doi.org/10.1186/S12887-018-1148-1>
- Keijzers G, Sweeny A, Crilly J, Good N, **Cameron CM**, Mihala G, Scott R, Thone J, Scuffham PA. Immunisation status of children presenting to the Emergency Department: linkage of a longitudinal birth cohort with national immunisation data. ANZJPH. 2018

### Journal Articles: (cont):

9. Kenardy J, Edmed SL, Shourie S, **Warren J**, Crothers A, Brown EA, Cameron CM, Heron-Delaney M. Changing patterns in the prevalence of Posttraumatic Stress Disorder, Major Depressive Episode and Generalized Anxiety Disorder over 24 months following a Road Traffic Crash: results from the UQ SuPPORT Study. *Journal of Affective Disorders*. 2018;236:172-179. <https://doi.org/10.1016/j.jad.2018.04.090>
10. Lystad RP, **Cameron CM**, Mitchell RJ. Excess mortality among adults hospitalised with traumatic brain injury in Australia: a population-based matched cohort study. *Journal of Head Trauma Rehabilitation*. 2018
11. Nanda G, **Vallmuur K**, Lehto M. Evaluation of Different Filtering Methods for Semi-automated Coding of Emergency Room Triage Injury Data. *IJSE Transactions on Healthcare Systems Engineering*. 2018
12. Pitt E, **Cameron CM**, Thornton L, Gallegos D, Filus A, Ng SK, Comans T. Dietary patterns of Australian children at 3 and 5 years of age and their changes over time: a latent class and latent transition analysis. *Appetite*. 2018;129:207-216. <https://doi.org/10.1016/j.appet.2018.07.008>
13. **Vallmuur K**, Lukaszyc C, Cathpoole J. Monitoring Injuries Associated with mandated children's products in Australia: what can the data tell us? *International Journal of Environmental Research and Public Health*. 2018. <https://doi.org/10.3390/ijerph15102077>
14. Werner AK, Watt K, **Cameron CM**, Vink S, Page A, Jagals P. Examination of child and adolescent hospital admission rates in Queensland, Australia, 1995-2011: a comparison of coal seam gas, coal mining, and rural areas. *Maternal and Child Health Journal*. 2018. <https://doi.org/10.1007/S10995-018-2511-4>
15. Fitzgerald MC, Curtis K, Cameron PA, Ford JE, Howard TS, Crozier JA, Fitzgerald A, Gruen RL, **Pollard C**. The Australian Trauma Registry. *Australian and New Zealand Journal of Surgery*. 2018. <https://doi.org/10.1111/ans.14940>.

## 2018 Conference Presentations – Invited Speaker, Oral and Poster

### Invited Speaker:

1. **Vallmuur K, Cameron C, Warren J, Pollard C**. Queensland Trauma Data Warehouse – Research Priorities and Progress, 2018 RACS Combined Tasmanian Annual Scientific Meeting & Trauma Symposium, Hobart, 9-10 November 2018
2. **Wendt R, Cameron C, Warren J, Vallmuur K, Pollard C, Schuetz M, Banks, M**. Jamieson Trauma Institute, 2018 RACS Combined Tasmanian Annual Scientific Meeting & Trauma Symposium, Hobart, 9-10 November 2018.

### Oral Presentations:

1. Santomauro C, McCurdie T, **Pollard C**, Shuker M: investigating the use of Interactive Telepresence Technology to Support Remote Clinicians Treating Patients with Traumatic Injuries, 2018 RACS Combined Tasmanian Annual Scientific Meeting & Trauma Symposium, Hobart, 9-10 November 2018
2. Lystad R, **Cameron C**, Mitchell R. Excess mortality among adults hospitalised with traumatic brain injury in Australia: a population-based matched cohort study, 13<sup>th</sup> World Conference on Injury Prevention and Safety Promotion (Safety 2018), Bangkok, 5 November 2018
3. Judge C, Eley RM, **Vallmuur K**, Livesay G, Miyakawa-Liu M, Boyde M, Hughes JA, Pollard C, Brown NJ. The characteristics and causes of accidental injuries from power tools in patients presenting to two Queensland emergency departments, International Conference for Emergency Nursing, Melbourne, 10 October 2018
4. Lystad R, **Cameron C**, Mitchell R. Excess mortality among adults hospitalised with traumatic brain injury in Australia: a population-based matched cohort study, Australian Neurotrauma Workshop, Adelaide, 8 October 2018
5. **Vallmuur K**. The Queensland Trauma Data Warehouse, Queensland Trauma Symposium 2018, 23-Feb-18.

### Poster Presentations:

1. **Warren J, Cameron C, Muller M**. Epidemiology of burns patients admitted to the State-wide Adults Burns Service in Queensland: a 10-year Review, ANZBA 2018 ASM, Brisbane, 16-19 October 2018
2. Druery M, Newcombe P, **Cameron C**, Lipman J. Rising to the Challenge of Long-term Follow up Research in Burns: reducing attrition, ANZBA 2018 ASM, Brisbane, 16-19 October 2018.

## Other Communications and Outputs:

- JTI Showcase – 27 Mar 2018
- QBI/JTI/BDHP Brain Injury Workshop – 4 Sept 2018
- JTI Think Tank – 24 Sept 2018
- Grand Rounds/Seminars – 25 Sept; 7 Nov
- Traumatic Brain Injury Workshop – 7 Nov
- JTI Planning Day – 30 Nov 2018 – JTI Team and Clinicians
- JTI Intersections and Opportunities – showcasing JTI 2018 and beyond – 6 Dec 2018.

# Publications / Presentations Summary Table 2018

Research Group / Department	Publications		Presentations National and International	
	Journal Articles	Books and Chapters	Oral	Posters
<b>Allied Health Professionals</b>				
Centre for Allied Health Research	6	0	10	4
Nutrition and Dietetics	33	1	25	14
Occupational Therapy	9	0	9	1
Physiotherapy	23	1	8	5
Psychology	3	0	1	1
Rehabilitation Engineering, Orthotics and Prosthetics	0	0	4	0
Social Work	0	1	5	1
Speech Pathology and Audiology	8	0	7	2
<b>Cancer Care Services</b>				
Allied Health Professions	6	0	5	3
Cancer Nursing Professorial Precinct	9	0	21	12
Haematology and Bone Marrow Transplantation	15	0	24	5
Haemophilia Centre	4	0	1	0
Medical Oncology	48	0	49	60
Radiation Oncology	23	1	51	12
<b>Critical Care and Clinical Support Services</b>				
Emergency and Trauma Centre	33	0	15	16
Genetic Health Queensland	17	1	21	5
Hyperbaric Medicine Services	3	0	0	0
Intensive Care Services	124	5	43	4
Nursing & Midwifery Services – Prof Fiona Coyer	11	0	5	0
Professor Tess Craymond – Pain Centre	2	0	4	1
Skin Integrity	7	0	0	0
<b>Internal Medicine Services</b>				
Department of Cardiology	33	1	52	0
Department of Clinical Immunology and Allergy	1	0	0	0
Department of Clinical Pharmacology	2	0	3	5
Department of Endocrinology	31	1	11	0
Department of Gastroenterology and Hepatology	34	0	32	5
Department of Infectious Diseases	51	0	15	5
Internal Medicine and Aged Care	15	0	9	8
Kidney Health Service	25	3	50	22
Neurology – Epilepsy	19	0	0	0
Neurology – Motor Neurone Disease	5	0	2	2
Neurology – Stroke	5	0	18	0
Nuclear Medicine / Specialised PET Service	9	1	11	9
Palliative and Supportive Care	4	1	3	0



Research Group / Department	Publications		Presentations National and International	
	Journal Articles	Books and Chapters	Oral	Posters
<b>Internal Medicine Services (cont)</b>				
Pharmacy	61	0	32	37
Department of Rheumatology	9	0	0	0
Sexual Health Research	2	0	0	0
QLD State-wide Antimicrobial Stewardship	2	0	8	2
Department of Thoracic Medicine	12	0	3	6
<b>Medical Imaging</b>				
Medical Imaging	11	1	38	12
<b>Medical Services</b>				
Quality, Innovation and Patient Safety	0	0	2	2
<b>Mental Health Services</b>				
Metro North Mental Health Services	128	4	99	14
<b>Nursing and Midwifery Services</b>				
Nursing and Midwifery Research Centre	26	3	14	10
<b>RBWH Research Services</b>				
Herston Imaging Research Facility	9	0	13	5
Jamieson Trauma Institute	15	0	7	2
Centre for Palliative Care Research and Education	25	1	36	5
<b>Surgical and Perioperative Services</b>				
Department of Anaesthesia and Perioperative Medicine	46	3	34	35
Department of Ears, Nose and Throat	6	0	4	0
Department of General Surgery – Unit 2 Hepato-Biliary/Pancreatic	5	1	5	0
Department of General Surgery – Unit 3 Colorectal	13	2	10	3
Department of General Surgery – Unit 5 Acute Surgical Unit (ASU)	1	0	0	0
Department of Ophthalmology	2	0	2	1
Department of Orthopaedics	20	1	64	0
Department of Oral and Maxillofacial Surgery Unit	11	0	2	0
Department of Plastic and Reconstructive Surgery	0	0	0	8
Department of Vascular Surgery	7	0	4	0
Kenneth G Jamieson, Department of Neurosurgery	3	0	0	0
Professor Stuart Pegg Burns Centre	0	0	11	0
Trauma Service	1	0	6	5
<b>Women's and Newborn Services</b>				
Grantley Stable Neonatal Unit	21	0	5	2
Obstetrics and Gynaecology	32	0	20	28
Obstetric Medicine	18	0	12	22
Perinatal Research Centre	17	0	19	26
Qld Centre for Gynaecological Cancer	15	0	5	1