

Cancer Care Services



Dr Amanda Dines
Executive Director
Cancer Care Services

Overview and executive and directing staff

2014 represents a breakthrough year for research in Cancer Care Service (CCS) at RBWH. Under the leadership Prof Geoff Hill, our inaugural Director of Research and Dr Raymond Chan, Deputy Director, the Division has now established a multi-disciplinary advisory group encompassing Research Coordinators from streams of Haematology (Steven Lane), Clinical Trials (Jason Butler), Medical Oncology (Matt Burge), Radiation Oncology (Philip Chan), Radiation Physics (Scott Crowe), Pharmacy (Midori Nakagaki), Nursing (Nicole Gavin) and Allied Health (Clare Burns). The group now meets monthly with Departmental Heads to help coordinate research strategy across the CCS at RBWH. At the same time the Research team has organised the 2nd Biennial Excellence in Cancer Research Symposium, with an excellence program that showcases the clinical transitional, supportive care and health services research program at RBWH as well as the basic science and collaborative research program with our Herston and additional Brisbane Diamantina Health Partners.

At the G20 summit in November, researchers from the Clinical Haematology and Bone Marrow Transplant (BMT) Unit and QIMR Berghofer presented findings from a study published in the Lancet Oncology of first in class cytokine inhibition in BMT recipients. The study, conducted at RBWH, demonstrated a profound reduction in acute Graft-versus-Host Disease. This research has now progressed to a multi-site Australia wide phase III trial led by RBWH.



Gillian Nasato
Acting Nursing Director
Cancer Care Services

At a funding level there were at least 5 successful NHMRC project grants commencing this year in which RBWH CCS clinicians were chief investigators. Congratulations also Drs Ray Chan and Steven Lane who commence NHMRC Early Career and Career Development Fellowships respectively this year. Elise Button (O'Dell) won the Adem Crosby Haematology Nursing Award from the Leukaemia Foundation Queensland and Prof Hill was awarded the Translational Research Institute National Prize for Translational Research.

We were also successful in negotiating the challenges of participating in National Colorectal Cancer Database. The CCS continues to support the Brain Cancer Bank at QIMR Berghofer and we are planning to commence a novel, first in man, phase I study of EphA3 targeted antibody for Glioblastoma in conjunction with QIMR Berghofer. This therapeutic strategy is a direct result of studies utilizing the Bank. Finally we awarded eight Diamond Care Grants for research into women's cancer in the fields of endometrial, breast and cervical cancer. These seed grants were a direct outcome from the successful Weekend to End Women's Cancer which we hope will fertilize successful national grants.

We are especially proud of A/Prof Alanna Geary, Dr Ray Chan and Prof Patsy Yates from the Cancer Care Nursing Professorial Unit who were awarded the Premier's Award for Excellence in Leadership. The Cancer Nursing Professorial Precinct aims to create capacity for embedding research into clinical practice by bringing the brightest minds together. This strategic collaboration between cancer nurses at the Royal Brisbane and Women's Hospital, Metro North Hospital and Health Service, and the academics at Queensland University of Technology fosters innovation in a highly complex and challenging area of healthcare.

As we look to 2015 we strive to further expand research across the CCS within all divisions and in both our own investigator driven and pharmaceutical sponsored studies that lead to increased knowledge and improved outcomes for our patients.



Prof Geoff Hill
Director of Research
Cancer Care Services

Key departments

- » Clinical Haematology and Bone Marrow Transplant Research Unit
- » Department of Medical Oncology
- » Department of Radiation Oncology
- » Queensland Haemophilia Centre
- » Nursing Cancer Care

Executive and directing staff

Dr Amanda Dines
Executive Director
Cancer Care Services

Gillian Nasato
Acting Nursing Director
Cancer Care Services

Prof Geoff Hill
Director of Research
Cancer Care Services

Assoc. Prof. Simon Durrant
Director
Clinical Haematology and
Bone Marrow Transplant

Dr David Wyld
Director
Medical Oncology

Assoc. Prof. Graeme Dickie
Director
Radiation Oncology

Dr John Rowell
Director
Queensland Haemophilia
Centre

Dr Raymond Chan
Nurse Research
Deputy Director Research
Cancer Care Services

Department of Clinical Haematology and Bone Marrow Transplant Unit



Assoc. Prof. Simon Durrant
Director
Haematology and Bone Marrow Transplant Unit

Overview

About this service: The Haematology and Bone Marrow Transplant Clinical Research Unit provides an exceptional research program for complex haematological malignancies including leukaemia, lymphoma and myeloma. This Department is the Clinical Haematology Referral Centre for the Central Zone, and the Bone Marrow Transplant Referral Centre for Queensland and is FACT accredited. In addition to clinical Haematology treatment, we provide:

- Autologous stem cell transplants
- Allogeneic stem cell and bone marrow transplants - related and unrelated
- Clinical trials (both in-house and pharmaceutical-sponsored) for haematology and transplant patients

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 Medical Research Institute which corresponds to an improved ability to develop and participate in translational research programs.

The QIMR Berghofer Bone Marrow Transplantation laboratory uses preclinical transplant models to dissect the immunological mechanisms of transplant rejection and aims to improve patient outcome through new therapies to prevent and treat graft-versus-host disease (GVHD). Research focuses on pathways of alloreactivity leading to GVHD and graft-versus-leukaemia (GVL) effects. The ultimate aim is to generate testable therapeutic interventions that attenuate GVHD and improve GVL.

Highlights of 2014:

- The interleukin-17 family of cytokines as mediators of transplant outcome
- Mechanisms of antigen presentation after transplantation
- Immunological mechanisms of leukaemia and myeloma eradication after transplantation
- Administration of an IL-6R antibody to prevent GVHD in clinical bone marrow transplant (BMT) recipients
- The treatment of steroid refractory acute GVHD with CD52 targeted Ab and TNF antagonists
- The use of type I interferons in preclinical and clinical BMT to improve the eradication of leukaemia
- The use of suicide gene-transfected effector after clinical haplo-identical BMT
- The use of induced regulatory T cells to treat clinical chronic GVHD
- Evaluating the effect of blinatumomab on overall survival when compared to standard of care chemotherapy
- Establish the maximum tolerated dose and/or recommended phase II dose of the combination of INC424 and BKM120 and evaluate the safety of the oral co-administration of INC424 and BKM120 in patients with myelofibrosis
- The efficacy of the Bite Antibody Blinatumomab Versus Standard of Care Chemotherapy
- Sorafenib in combination with intensive chemotherapy for previously untreated adult FLT3-ITD Positive AML
- Idelalisib in combination with Rituximab in patients with previously untreated chronic lymphocytic leukemia with 17p deletion
- Momelotinib vs Ruxolitinib in subjects with primary myelofibrosis
- The efficacy of bendamustine compared to treatment of physicians choice in the treatment of subjects with indolent Non-Hodgkin's Lymphoma
- Australasian Leukaemia and Lymphoma Group Acute Myeloid Leukaemia Registry

Benefits for clinical practice: Researchers are involved at every stage of the process of Cancer Care Research in our service: from discovery of molecules and trialling new therapies to researching the best supportive care for patients receiving treatment and novel methods for communicating with patients.

Research staff

Name	Qualifications	Position	Interests/specialities
Prof. Andrew Boyd	B. Med.Sc., MBBS, Ph.D., FRACP	Consultant Haematologist, Professor of Experimental Haematology, University of Queensland Senior Principal Research Fellow, QIMR Berghofer Medical Research Institute	
Dr Jason Butler	MBBS, FRACP, FRCPA, M.Med. Sci (Clin Epid)(Newcastle)	Clinical Haematologist and Bone Marrow Transplant Staff Specialist	Clinical haematology, bone marrow transplant
Dr Cameron Curley	MBBS, FRACP, FRCPA	Staff Specialist, Haematology and Bone Marrow Transplant	Clinical haematology and bone marrow transplant
Assoc. Prof. Simon Durrant	MRCS, LRCP, MBBS, FRCP, FRCPath	Director, Haematology and Bone Marrow Transplant Unit Assoc. Prof. Medicine, UQ	
Dr Ann Gillett	MBBS, FRACP, FRCPA	Consultant Haematologist	
Prof. Geoff Hill	BHB, MBChB, FRACP, FRCPA, MD	Clinical Haematologist and Bone Marrow Transplant Staff Specialist Head of Department, Division of Immunology, QIMR Berghofer Medical Research Institute Professor, UQ and Griffith University	
Assoc. Prof. Glen Kennedy	MBBS (Hons), FRACP, FRCPA	Deputy Director, Haematology and Bone Marrow Transplant Unit Visiting Scientist, QIMR Berghofer Medical Research Institute	
Dr Steven Lane	MBBS, FRACP, FRCPA, FRCP, RCPA	Consultant Haematologist, Haematology and Bone Marrow Transplant Team Head, Translational Leukaemia Research Laboratory, QIMR Berghofer Medical Research Institute	Clinical haematology and bone marrow transplant
Dr Ashish Misra	MBBS, FRACP, FRCPA	Staff Specialist, Haematology and Bone Marrow Transplant	Clinical haematology, bone marrow transplant
Dr Kirk Morris	MBBS, FRACP, FRCPA	Senior Medical Officer, Clinical and Laboratory Haematology	Clinical Haematology
Dr James Morton	MMS (Epidemiology), MBBS, FRACP, FRCPA (Haematology)	Clinical Haematologist and Bone Marrow Transplant Staff Specialist	Clinical haematology, bone marrow transplant
Dr Elango Subramonia Pillai	MBBS, FRACP, FRCPA	Consultant Haematologist, Haematology and Bone Marrow Transplant	Clinical haematology, bone marrow transplant
Dr Siok Tey	MBBS, FRACP, FRCPA	Clinical Haematologist and Bone Marrow Transplant Staff Specialist Senior Research Officer, Bone Marrow Transplant Laboratory, QIMR Berghofer Medical Research Institute Senior Lecturer, School of Medicine, University of Queensland	Clinical haematology, bone marrow transplant
Dr Nicholas Weber	MBBS, FRACP, FRCPA	Clinical Fellow, Haematology and Bone Marrow Transplant	Clinical haematology & bone marrow transplant
Robyn Western	RN, BHlthSc (Nursing), Grad Cert (Clinical Data Management)	Clinical Trial Manager	
Renee Campbell	BN, BBiomedSci	Clinical Trial Coordinator	
Madonna Fuery	RN, BA	Clinical Trial Coordinator	
Justine Leach	BN, BAppSci	Clinical Trial Coordinator	
Carolyne Little	RN	Clinical Trial Coordinator	
Angela McLean	BN, DipAppSci (Biology)	Clinical Trial Coordinator	
Tricia Pusztai	BN	Clinical Trial Coordinator	

Awards and achievements

Award	Event	Recipient
National Research Prize for Translational Research	Translational Research Institute Translation Symposium	Prof. Geoff Hill

Research grants

Investigators	Project title	Granting body and scheme	Amount awarded (years)
Boyd, A.W., Reynolds, B.	EphA3 is a marker of glioma stem/progenitor cells and a potential target for therapy	NHMRC	\$560,000 (2010-2014)
Boyd, AW.	EphA3 as a target in leukaemia and other cancers.	Kalobios Inc	\$240,000 (2012-2014)
Hill, GR.	QLD Health Senior Clinical Research Fellowship	QLD Health	\$4,250,000 (2010-2014)
Hill, GR.	NHMRC Australia Fellowship	NHMRC	\$4,000,000 (2011-2015)
Hill, GR., MacDonald, KP., Tey, S.	IL-6 and GVHD	NHMRC Project grant	\$572,562 (2014-2016)
Johns, T., Boyd, A.W., McDonald, K.	An integrated systems biology approach for the development of new therapeutic strategies for the treatment of high grade glioma	NHMRC	\$673,500 (2012-2014)
Kennedy, G.	Al on APP1061252 Microtransplantation study	NHMRC	\$151,149 (2014-2015)
Khanna, R., Hill, G.R., Tey, S.K.	Developing personalized immunotherapies	QIMRB Ride To Conquer Cancer Flagship Grant	\$1,200,000 (2012-2015)
Khanna, R., Hill, GR., Tey, S.	Developing personalized immunotherapies	RTCC Flagship grant	\$1,200,000 (2012-2015)
Lane, S.	Starving Stem Cells	NHMRC Project Grant (CIA)	\$484,000 (2014-2016)
Lane, S.	EGFR and MET signalling in MPN	NHMRC Project Grant (CIB)	\$585,000 (2014-2016)
Lane, S.	Career Development Fellowship	NHMRC	\$280,000 (2014-2017)
Lane, S.	Targeting telomerase in AML	Cancer Australia	\$100,000 (2014)
Lane, S.	IL17 mobilisation in stem cells	Leukaemia Foundation Queensland	\$100,000 (2014)
Piper, M., Richards, L., Boyd, A.W., Bailey, T.	Nfib regulates glial differentiation during development and disease via repression of the key epigenetic protein, Ezh2	NHMRC	\$553,650 (2012-2014)
S Rose, S., Boyd, A.W., Fisk, N., Thomas, P.	The development of innovative multiplexed molecular imaging technology targeting improved diagnostic imaging of Glioblastoma Multiforme	NHMRC	\$389,910 (2012-2014)

Research grants

Investigators	Project title	Granting body and scheme	Amount awarded (years)
Tey, S.	Cell therapy to prevent and treat graft-versus-host disease after allogeneic haematopoietic stem cell transplantation	NHMRC	\$359,564 (2013-2016)
Tey, S.K.	Inducible caspase 9 suicide gene to improve the safety of donor T cell addback after haploidentical stem cell transplantation	NHMRC	\$545,681 (2013-2015)
Thomas, R., Hill, GR., Frazer, I., Brown, M., Degli-Eposti, M.	Immunotherapies for the treatment of disease	NHMRC Program grant	\$10,130,000 (2010-2014)
Wikstrom, M., Hill, GR., Degli-Esposti, M.	Interplays between anti-viral and allo-responses in the context of GVHD	Cancer Council WA	\$100,000 (2014)

Department of Medical Oncology



Dr David Wyld
Director
Medical Oncology

Overview

About this service: The Department of Medical Oncology provides clinical services to patients at the Royal Brisbane and Women's Hospital and The Prince Charles Hospital. It also acts as a major tertiary referral centre, including providing outreach clinics to Rockhampton, Hervey Bay and Bundaberg.

The department has an ongoing, active clinical research program.

We are currently involved in approximately 80 Clinical Trials. These include RBWH specific Investigator initiated Studies, large international studies and studies conducted as part of Australian cooperative cancer-trials groups, (such as the ANZ Breast Cancer Trials Group, the ANZ Gastro-Intestinal Trials Group, the ANZ Lung Cancer Trials Group, The Australian and New Zealand Urogenital and Prostate cancer Trials group and the ANZ Gynaecology-Oncology Group and the Cooperative Trials Group for Neuro-Oncology (COGNO). The worth of our clinical trials program is acknowledged by the Queensland Cancer Fund, which provides funding for research staff on the basis of demonstrated accrual to approved, unfunded randomised Phase II and III studies.

Several clinical staff from the unit also have broader roles within Australasian collaborative cancer trials groups, including membership of executive committees, roles as Australian PIs for national studies, positions on individual Australia-wide trial management committees and on trial data monitoring and safety committees.

There is ongoing collaboration between departmental clinical staff and other institutions such as the Queensland Institute of Medical Research (QIMR Berghofer) and TCPH, The University of Queensland and QUT, enhancing the unit's ability to develop and participate in translational research programs.

Highlights of 2014: Notable achievements in the last 12 months include several publications from ongoing research in the area of Head and Neck cancer lead by Brett Hughes, as well as the development of a research program (in collaboration with leading Health Sociologists from the University of Queensland and UNSW) focusing specifically on understanding and improving the patients' cancer experience, led by Zarnie Lwin.

I would like to specifically acknowledge two of the Medical Oncology team for their award winning presentations at National Oncology Conferences in 2014. Dr Matthew Burge's Best Poster Award at the Australasian Gastrointestinal Trials Group annual meeting, "A prospective, single institution study of the impact of Fluorodeoxyglucose (FDG) positron Emission Tomography with concurrent non-contract CT scanning (PET/CT) on the management of operable Pancreatic, Ampullary or Distal Bile Duct cancer." was a study entirely devised and conducted at RBWH, involving collaboration between Cancer Care Services, the Hepatobiliary Surgical Unit, and Nuclear Medicine Departments, coordinated by Dr Burge.



Research staff

Name	Qualifications	Position	Interests/specialities
Dr David Wyld	MBBS (Hons), FRACP	Director Medical Oncology	Gastro-intestinal, neuroendocrine
Dr Melissa Eastgate	MBBS FRACP	Deputy Director Medical Oncology	Gastro-intestinal, melanoma
Assoc. Prof. Brett Hughes	BSc(Med), MBBS(Hons), FRACP	Clinical Director Oncology TPOCH Staff Specialist RBWH	Lung, mesothelioma, head and neck, thyroid
Dr Geoffrey Beadle	MBBS FRACP FRACR	Staff Specialist	Breast cancer
Dr Matthew Burge	MB ChB FRACP	Staff Specialist	Gastro-intestinal, phase I studies
Dr Michelle Nottage	MBChB FRACP	Staff Specialist	Breast, head and neck cancers
Dr Po-Ling Inglis	MBBS, B Sc(Molecular Biology), FRACP	Staff Specialist	Breast, lung, central nervous system
Dr Jeffrey Goh	MBBS FRACP	Staff Specialist	Gynaecology, genitourinary, gastro-intestinal cancer
Dr Alison Hadley	MBBS (Hons) MMed (Clin Epi) FRACP	Staff Specialist	Gynaecology, breast, genitourinary, gastro-intestinal cancer
Dr Zarnie Lwin	MBBS (Burma), FCP (South Africa), FRACP	Staff Specialist	Central nervous system, lung, health services research, psychosocial research
Dr Aneta Suder	MBChB, FRACP	Staff Specialist	Gynaecology, urogenital oncology
Annette Cubitt	RN, Grad Cert. (Clinical Trials Management), CCRP	Clinical Trials Manager	
Jenny Campbell	RN, BSc(Nursing)	Clinical Trial Coordinator	
Andrea McKenzie	EEN	Clinical Trial Coordinator	
Erin Purdon	RN, BN GC Cancer Nursing	Clinical Trial Coordinator	
Natasha Roberts	BN(Hons)	Clinical Trial Coordinator	
Amy Ives	BN AssocSc N	Clinical Trial Coordinator	
Chrissy Fletcher	RN, BA	Clinical Trial Coordinator	
Wendy Pritchard	RGN (UKCC), BSc Hons in Nursing Practice - Cancer	Clinical Trial Coordinator	
Josie Clayton	RN, Dip. Nursing	Clinical Trial Coordinator	
Amii Gibson	BN	Clinical Trial Coordinator	
David Hickey	BAppSc	Clinical Trial Coordinator	
Victoria Holt	BA (Hons), Grad Dip Lib Stud	Research/Admin Assistant	
Danni Church			Administration Officer

Awards and Achievements

Award	Event	Recipient
Best Consultant Abstract and Poster Award	Medical Oncology Group of Australia Annual Scientific Meeting	Dr Zarnie Lwin
Best of New Concepts Symposium Award	Australasian Gastrointestinal Trials Group Annual Meeting	Dr Matthew Burge
Best Poster Award	Australasian Gastrointestinal Trials Group Annual Meeting	Dr Matthew Burge

Research grants

Investigators	Project title	Granting body and scheme	Amount awarded (years)
Anderson, D., McCarthy, A., Yates, P., Chan, R., Turner, J., Tjondronegoro, D., Seib, C., Porter-Steele, J., Inglis, P., Goh, J.	Younger Women's Wellness after Cancer Program: A Pilot Study.	RBWH Foundation Diamond Care Grant	\$90,000 (2014-2015)
Burge, M.	Metastatic Colorectal Cancer Database	RBWH Research Advisory Committee	\$50,000 (2014)
Chan, R., Russell, E., Marsh, N., Wyld, D., Allworth, A., Atkinson, T., Gavin, N., Flynn, J., Keogh, S., Rickard, C.	Central venous Access device SeCurement And Dressing Effectiveness in Cancer Care: The CASCADE Trial.	RBWH Foundation	\$40,000 (2014-2015)
Chan, R., Yates, P., Turner, J., Hughes, B.	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 and RBWH Foundations	\$199,724 (2013-2017)
Eastgate, M.	Outreach oncology services survey	RBWH Foundation	\$1,000 (2014-2015)
Gan, H., Scott, A., Boyd, A., Day, B., Stringer, B., Lwin, Z., Inglis, P., Khasraw, M., Rosenthal, M., Thomas, P.	A Phase 1 and Biodistribution Study of KB004 (an anti-EphA3 antibody) in Patients with Glioblastoma.	Cure Brain Cancer Research Grant	\$500,000 (2014)
Goh, J.	A phase II / pilot study of neo-adjuvant chemotherapy with the aim of fertility preserving surgery for large stage IB1 cervical cancer	RBWH Foundation	\$50,000 (2014-2015)
Helios, J., Moroney, L., Burns, C., Spurgin, A., Ward, J., Kenny, L., Hughes, B., Blake, C.	Dysphagia outcomes in head and neck cancer patients undergoing Tomotherapy.	RBWH Foundation	\$26,429 (2014)
Hughes, B.	NITRO: a randomised phase 3 trial of adding nitroglycerin to first line chemotherapy for advanced non-small cell lung cancer	Grant	\$487,973.54 (2014)
Khasraw, M., Simes, J., Rosenthal, M., Koh, ES., McDonald, K., Livingstone, A., Hovey, Drummond, K., Gan, HK., Leonard, R., Foote, M., Barnes, L.	VERTU-Veliparib, Radiotherapy and Temozolomide trial in newly diagnosed Unmethylated MGMT Glioblastoma	Cure Brain Cancer Research Grant	\$500,000 (2014)
Lwin, Z., Wyld, D., Cubitt, A., Adams, J., Broom, A., Kirby, E., Eastgate, M., Burge, M., Ives, A., Roberts, N., Stevens, E	Understanding and improving social support amongst women with cancer: a qualitative study	RBWH Foundation	\$100,000 (2014-2015)
Turner, J., Yates, P., Kenny, L., Gordon, L., Burmeister, B., Thomson, D., Hughes, B., McCarthy, A., Perry, C., Chan, R.	Improving quality of life in high-risk cancer populations: a randomised trial of a structured intervention for head and neck cancer survivors	NHMRC	\$476,074 (2013-2016)

Department of Radiation Oncology

Overview



Assoc. Prof. Graeme Dickie
Director
Radiation Oncology

About this service: The Radiation Oncology Department provided radiotherapy services for patients from a wide geographic area. In addition to patients from metro north, the department provided service to the Royal Children's Hospital, with outreach clinics at Rockhampton, Longreach, Hervey Bay, Maryborough, Bundaberg, Prince Charles, Redcliffe and Caboolture Hospitals.

Highlights of 2014: In 2014 the linear accelerators were all replaced with the latest technology using new radiotherapy techniques and verification systems. The quality assurance processes required for such technology provide a valuable opportunity for physics research, with a number of investigator initiated projects underway.

It has been a productive year for cancer research in Radiation Oncology at Royal Brisbane and Women's Hospital. Our core clinical research activity continues in concert with the busy clinical department.

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. Over the last few years the trials program has progressed from largely retrospective investigator initiated trials to more translational and prospective projects.

Benefits for clinical practice: Our research aims to advance the benefits that radiation oncology can provide to patients with cancer seeking to improve their quality of life by shortening treatment times and succeeding in higher cancer cure rates.

Research staff

Name	Qualifications	Position	Interests/specialities
Assoc Prof Graeme Dickie	MBBS, MBA, FRACP, FRANZCR	Director - Radiation Oncology	Radiation oncology
Assoc Prof Roger Allison	MBBS, MRCP, FRCR, FRANZCR, FACHPM	Staff Specialist	Radiation oncology, paediatric
Dr Catherine Bettington	MBBS, FRANZCR	Staff Specialist	Radiation oncology
Dr Philip Chan	MBBS, FRANZCR	Staff Specialist	Radiation oncology
Dr Robyn Cheuk	MBBS, FRANZCR	Staff Specialist	Radiation oncology, paediatric
Dr Michael Fay	MBChB, FRACP, FRANZCR	Staff Specialist	Radiation oncology, brain tumours, research
Dr Michelle Grogan	MBBS, FRANZCR	Staff Specialist	Radiation oncology
Dr Lizbeth Kenny	MBBS, FRANZCR	Staff Specialist	Radiation oncology
Dr Charles Lin	MBBS, FRANZCR	Staff Specialist	Radiation oncology
Dr Gary Pratt	MBBS, FRANZCR	Staff Specialist	Radiation oncology
Dr Sue Whitaker	MBChB, DMRT, FRCR, FRANZCR	Staff Specialist	Radiation oncology
Lee Tripcony	BSc	Principal Clinical Scientist Statistics	Database, statistics
Jacqui Keller	BBus(HIM)	Manager Clinical Trials	Research, clinical trials
Jennifer Edmunds	RN, BHSc	Clinical Trial Coordinator	Research, clinical trials
Rebecca Pincus	RN, BN, Grad Cert CDM	Clinical Trial Coordinator	Research, clinical trials
Charmaine Mickelwright		Research Assistant	Research, clinical trials
Greg Rattray	BApp Sc(MRT), Grad.Cert. HMgt (QH), FIR	Director – Radiation Therapy	Radiation therapy
Jasmine Baker	BApp Sc (RT)	Radiation Therapist	Radiation therapy
Jemma Blyth	Dip.App Sc RT, Grad.Cert. HMgt	Assistant Director - Radiation Therapy	Radiation therapy
Melissa Borean	BApp Sc (RT)	Radiation Therapist	Radiation therapy
Daniel Bryant	BApp Sc (RT)	Radiation Therapist - Advanced	Radiation therapy

Research staff

Name	Qualifications	Position	Interests/specialities
Kevena Chroma	M HSc MRS, Grad.Dip. HMgt	Radiation Therapist - Advanced	Radiation therapy
Stacey Cooke	BApp Sc (RT)	Radiation Therapist - Advanced	Radiation therapy
Jemma Devereaux	BApp Sc (RT)	Radiation Therapist	Radiation therapy
Shayne Etherton	BApp Sc (RT)	Radiation Therapist	Radiation therapy
Selina Harris	BApp Sc (RT)	Radiation Therapist	Radiation therapy
Marika Lathouras	BApp Sc (RT)	Radiation Therapist	Radiation therapy
Brianna McCoola	BApp Sc (RT)	Radiation Therapist	Radiation therapy
Rob McDowall	Grad.Cert. HMgt (QH), Dip.App Sc RT	Senior Radiation Therapist - Planning	Radiation therapy
Janine Miles	BApp Sc (RT)	Radiation Therapist - Advanced	Radiation therapy
Catherine Moreno	BApp Sc (RT)	Radiation Therapist	Radiation therapy
Julie-Anne Outhwaite	BApp Sc (RT)	Radiation Therapist - Advanced	Radiation therapy
Anthony Pagidas	BApp Sc (RT)	Radiation Therapist	Radiation therapy
Michelle Ralston	BApp Sc (RT)	Radiation Therapist - Advanced	Radiation therapy
Louise Scott	Dip.App Sc RT	Senior Radiation Therapist	Radiation therapy
Kathy Vidler	Dip.App Sc RT	Radiation Therapist	Radiation therapy
Christopher Walsh	BApp Sc (RT)	Radiation Therapist - Advanced	Radiation therapy
Calum Rae	BApp Sc (RT)	Radiation Therapist	Radiation therapy
Steven Sylvander	BSc, MSc	Director Medical Physics	Radiation therapy, radiation physics, dosimetry
Dr Phil Back	BSc, MSc, PhD	Principal Physicist	Radiation therapy, radiation physics, dosimetry
Zoe Baldwin	BMRP	Physicist - Senior	Radiation therapy, radiation physics, dosimetry
Diana Binny	BSc, MSc	Physicist	Radiation therapy, radiation physics, dosimetry
Adj A/Prof Scott Crowe	BSc, BIT, PhD	Physicist - Senior	Radiation therapy, radiation physics, dosimetry
Alastair Dick	BSc, MSc	Physicist - Senior	Radiation therapy, radiation physics, dosimetry
Robert Fitchew	BSc(Hons), MSc	Deputy Director Medical Physics	Radiation therapy, radiation physics, dosimetry
Kirby Francis	BSc, MSc	Physicist	Radiation therapy, radiation physics, dosimetry
Craig Lancaster	BSc, Grad. Dip Med Phys	Physicist - Advanced	Radiation therapy, radiation physics, dosimetry
Alexander Livingstone	BSc, MSc	Physicist	Radiation therapy, radiation physics, dosimetry
Dr Christopher Poole	BEng, MSc, PhD	Physicist	Radiation therapy, radiation physics, dosimetry
Chaitanya Veeranki	BSc, MSc	Physicist	Radiation therapy, radiation physics, dosimetry
Rachael Wilks	BSc, MSc	Physicist	Radiation therapy, radiation physics, dosimetry
Nancy Yu	BSc, MSc	Physicist	Radiation therapy, radiation physics, dosimetry

Supervised post-graduate research students

Name	Current studies	Research topic
Asena, A.	PhD	Dose distributions in the vicinity of high-density materials in radiotherapy
Charles, P.	PhD	Very small field dosimetry in radiotherapy
Dancewicz, O.	PhD	Development and verification of a novel 3D dosimetry technique for TomoTherapy
Fay, M.	PhD	Application of functional imaging in brain tumours
Livingstone, A.	MSc	3D optical scanning Presage Gel
Morales, J.	PhD	Independent Monte Carlo analysis for stereotactic radiosurgery treatments
Rajesh, Y.	PhD	Monte Carlo modelling of radiation therapy treatments
Smith, S.	PhD	Development of three-dimensional dosimetry for radiotherapy

Awards and achievements

Award	Event	Recipient
The Bob Fitchew Award	ACPSEM-Q	Award named after Robert Fitchew for physics

Research grants

Investigators	Project title	Granting body and scheme	Amount awarded (years)
Rose, S., Kenny, L., Fay, M., Fisk, N. et al.	Australian Cancer Research Foundation Molecular Oncology Translational Imaging Facility	Australian Cancer Research Foundation	\$2,000,000 (2012-2014)
Schofield, P., Aranda, S., Juraskova, I., Mileshekin, L., Krishnasamy, M., White, K., (Cheuk R – AI)	A nurse led psychosocial intervention with peer support to reduce needs in women being treated with radiotherapy for gynaecological cancer: A RCT	NHMRC	\$1,133,411 (2011-2014)
Turner, M., Yates, P., Kenny, L., Gordon, L., Burmeister, B., Thomson, D., Hughes, B., McCarthy, A., Perry, C., Chan, R.	Improving quality of life in high-risk cancer populations: a randomised trial of a structured intervention for head and neck cancer survivors (ENHANCE)	NHMRC	\$476,074 (2013-2016)
Kenny, L.	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	\$473,000 (2015-2017)
Rose, S., Boyd, A., Whittaker, A., Thomas, P., Fay, M., Fisk, N.	The development of innovative Multiplexed Molecular Imaging Technology targeting improved diagnostic imaging of Glioblastoma Multiforme	NHMRC	\$389,925 (2012-2015)
Sylvander, S.	Radiation Oncology Workforce Program 2014	The Commonwealth (Department of Health) program	\$206,500 (2014-2017)

Research grants

Investigators	Project title	Granting body and scheme	Amount awarded (years)
Lakhani, S., Trench, G., Ung, O., Khanna, K., Jeffrey, R., Green, B., Kenny, L., Simpson, P., McCart, Reed, A., Saunus, J., Al-Ejeh, F.	Support for the Brisbane Breast Bank. Expansion of the Brisbane Breast Bank: a prospective study developing biomarkers of response and recurrence	RBWH Foundation administered through UQ and QIMRB	\$200,000 (2014-2015)
Nilsson, S.	Octavius 2 on Tomotherapy	RBWH PPTF	\$72,346 (2013-2014)
Sylvander, S.	Presage Gel and Vista Scanner	RBWH PPTF	\$68,791 (2013-2014)
Dickie, GJ.	QCOG Cancer Clinical Trial Data Manager Grant	Queensland Clinical Oncology Group	\$40,079.29 (2014)
Thomas, P., Dickie, G.	A Pilot Project on the impact of PSMA PET on radiotherapy planning in high risk prostate cancer	Research Advisory Committee	\$40,000 (2014-2015)
Blyth, J., Outhwaite, J.	Val Lok bags for the stabilisation and Radiation treatment of Breast Cancer patients	RBWH Foundation-Walk to End Women's Cancer-Diamond Care Grants	\$27,000 (2014)
Yu, N.	Improvements to Monte Carlo models with improved Linac measurements	PPTF	\$25,328 (*2013-2014)
Gogna, K., Bettington, C.	A single arm, prospective Phase II study of Split-Course Pelvic Radiotherapy for Locally Progressive, Castrate Resistant Prostate Cancer	RANZCR - Ferring Pharmaceuticals Grant	\$25,000 (2014-2017)
Golusin, N.	Vaccum Cushion for head and neck cancer	Gambling Community Benefit Fund Grant	\$17,000 (2014)
Bettington, C.	A single arm prospective study of the effect of preoperative chemoradiotherapy on sexual dysfunction in men with locally advanced rectal cancer	RANZCR Research Grant	\$10,000 (2012-2016)
Sylvander, S.	TruView - Ferrous-Xylenol Orange. Support of project - provision of gels	Modus Inc	\$5,000 (2014-2015)
Pagidas, A.	IMRT Prostate patient stabilisation: Vak Lok bags to assist in an evaluation study of stabilisation techniques for prostate patients receiving IMRT treatment.	RBWH Foundation – Cancer Care Fund	\$2,000 (2014)
Outhwaite, J.	Teddy Bears, which were used as an important part of explaining and comforting children receiving radiation treatment.	RBWH Foundation – Cancer Care Fund	\$1,000 (2014)

Queensland Haemophilia Centre



Dr John Rowell
Director
Pathology Queensland and
Queensland Haemophilia
Centre

Overview

About this service: The Queensland Haemophilia Centre is a state-wide service based at the Royal Brisbane and Women's Hospital (RBWH). The centre provides comprehensive care for those with haemophilia and other inherited bleeding disorders. Designated staff provide medical, nursing, physiotherapy and social work input into patient care. This includes specialised support including diagnosis, factor replacement therapy, musculo-skeletal and orthopaedic assessment and management, care and support in relation to blood-borne viruses, genetic counselling and psychosocial support.

Highlights of 2014: A large focus of this year was the World Federation of Haemophilia Congress that was held for the first time in Australia.

Benefits for clinical practice: The Queensland Haemophilia Centre based at the Royal Brisbane and Women's Hospital (RBWH) endeavours to attract more research and new initiatives to increase the clinical care and this special research community so that health improvements can be discovered which will help people living with this chronic and potentially disabling disorder.

Research staff

Name	Qualifications	Position	Interests/specialities
Dr John Rowell	MBBS FRCPA MBA	Director Haematology – Pathology Queensland and Queensland Haemophilia Centre, CCS	
Ms Beryl Zeissink	RN MNurs MSc (GenetCouns)	Clinical Nurse Consultant – Queensland Haemophilia Centre	
Ms Olivia Hollingdrake	RN Grad Cert (Onc Nursing) Grad Cert (Public Health)	Clinical Nurse – Queensland Haemophilia Centre	
Ms Maureen Spilsbury	B. Social Work (Honours)	Advanced Social Worker – Queensland Haemophilia Centre	Psychosocial aspects of Inherited Bleeding Disorders
Dr Desdemona Chong	B. Soc. Sci (Honours), D. Psych	Advanced Psychologist – Qld Haemophilia Centre	
Dr Moana Harlen	B. Ed., B Behav. Sci, B. Psych (Hons), D. Psych	Snr Psychologist Haemophilia – Qld Haemophilia Centre	

Research grants

Investigators	Project title	Granting body and scheme	Amount awarded (years)
Zeissink, B., Hollingdrake, O.	Education for an Aging Haemophilia Population	Novo Nordisk	\$18,172 (2014-2015)

Department of Nursing (Cancer Care Services)



Gillian Nasato
Acting Nursing Director
Cancer Care Services

Overview

About this service: The nursing team comprises of 257 nursing staff, providing quality nursing care across the Clinical Haematology and Bone Marrow Transplant Unit, the Departments of Medical Oncology, the Department of Radiation Oncology and the Queensland haemophilia Centre. The growing demand of 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 nursing 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 nursing research team was established in 2008 to provide an infrastructure for research and innovation and to ensure that our nursing care is work-class. The team is involved in national and international supportive cancer care research including a number of NHMRC funded projects. 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. Throughout 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.

Highlights of 2014: The highlight of 2014 was the Cancer Care nursing group receiving the Queensland Government Premier Award for Excellence in Leadership. This was one of a number of awards recognising the valuable research conducted in Cancer Care by nurses. During the year, several nurses commenced high degree research courses and were awarded competitive scholarships. Other highlights include the commencement or continuation of a number of multidisciplinary, nurse-led studies in Cancer Care including the Central venous cAtheter SeCurement And Dressing Evaluation: The CASCADE Trial and the Younger Women's Wellness After Cancer Program.

Benefits for clinical practice: Cancer Care nurses at the RBWH are involved in research in a range of areas including intravenous access devices, prevention of blood stream infections, symptom management, survivorship care and palliative care. Additionally, Cancer Care Services has a strong culture of nurses pursuing post-graduate study and high degree research enabling excellence in delivery of nursing care. Each research project is patient-centred and seeks to improve the care of patients in clinical practice and foster an environment of excellence. An example of the impact of Cancer Care nursing research on clinical is the publication of findings of the Moogoo Trial in the International Journal of Radiation Oncology Biology Physics. This publication has directly informed care of cancer patients who develop distressing skin reactions as a side effect of their radiation treatment.

Research staff

Name	Qualifications	Position	Interests/specialities
Dr Raymond Chan	RN, BN, MAppSc, PhD, FACN	Nurse Researcher and Deputy Director Research; Senior Research Fellow, QUT; Adjunct Associated Professor, Griffith University	Health services research/ symptom management/palliative care/ survivorship cancer care/ vascular access
Elise Button	RN, BN, MAP(Hons)	Clinical Nurse (Research)	Palliative care/Late effects/Post treatment complications
Peter Hancock	RN, BN, MN(Cancer Nursing)	Clinical Nurse (Research)	Vascular access
Sarah Northfield	RN, BN, GradCert(Cancer Nursing)	Clinical Nurse (Research)	Vascular access/palliative care
Alison Thomas	RN, BN	Registered Nurse	Survivorship care

Supervised post-graduate research students

Name	Current studies	Research topic
Button, E.	PhD	Identification of palliative care needs in patients with a haematological malignancy
Flynn, J.	Master of Advanced Practice	Sterile versus aseptic non-touch technique for bung changes
Gavin, N.	PhD	The effect of parenteral nutrition on microbial growth and its influence on catheter-related blood stream infections in patients with a central venous access device
Larsen, E.	Graduate Diploma of Health Care Research	The Patient experience of peripheral IV iNsertion within a tertiary Hospital setting: The PINch Study

Supervised post-graduate research students

Name	Current studies	Research topic
Northfield, S.	Master of Applied Science (Research)	Identifying the factors that influence the referral decision-making process when considering specialist palliative care services for hospitalised patients with advanced cancer
Savage, K.	Master of Applied Science (Research)	Palliative care education for nurses caring for patients with a haematological malignancy

Awards and achievements

Award	Event	Recipient
Adem Crosby Haematology Nursing Award	Leukaemia Foundation	Button, E.
Best Clinical Research Paper 2014	Cancer Nurses Society of Australia Annual Congress	Chan, R.
Cecilia Brazil Nursing Research Award 2014	Royal Brisbane and Women's Hospital	Chan, R.
Highly Commended	Griffith University Health Group Three Minute Thesis	Gavin, N.
NHMRC Health Professional Research Fellowship	NHMRC	Chan, R.
Outstanding Young Alumnus of the Year 2014	Queensland University of Technology	Chan, R.
Outstanding Doctoral Thesis Award 2014	Queensland University of Technology	Chan, R.
PhD Scholarship	NHMRC Centre for Research Excellence for End of Life Care	Button, E.
PhD Scholarship	RBWH Foundation	Button, E.
PhD Scholarship	NHMRC Centre for Research Excellence in Nursing	Gavin, N.
PhD Scholarship	RBWH Foundation	Gavin, N.
Queensland Government Premier Award-Excellence in Leadership	Queensland Government Premier Award	Geary, A., Chan, R., Yates, P.
Rhoads Research Foundation	American Society of Parenteral and Enteral Nutrition	Gavin, N.
Queensland Government Premier Award-Excellence in Leadership	Queensland Government Premier Award	Geary, A., Chan, R., Yates, P.
Post-doctoral Fellowship	RBWH Foundation	Chan, R.

Research grants

Investigators RBWH staff; bold, this department	Project title	Granting body and scheme	Amount awarded (years)
Anderson, D., Yates, P., McCarthy, A., Chan, R. , Turner, J., Seib, C., Tjondronegoro, D.	Younger women's wellness after cancer program	RBWH Foundation	\$90,000 (2014-2015)
Button, E.	Predictors of haematology and Bone Marrow Transplant patients nearing the end of life	NHMRC Centre for Research Excellence for End of Life Care	\$106,176 (2014-2016)
Chan, R. , Russell, E. , Marsh, N., Allworth, A., Atkinson, T., Gavin, N. , Flynn, J. , Keogh, S., Rickard, C.	Central venous catheter Securement and Dressing Evaluation: The CASCADE Trial	Royal Brisbane and Women's Hospital Foundation	\$40,000 (2014)

Research grants

Investigators RBWH staff; bold, this department	Project title	Granting body and scheme	Amount awarded (years)
Chan, R.	Development and evaluation of a tailored fatigue self-management behavioural intervention for patients with advanced cancer.	NHMRC	\$155,298 (2014-2017)
Chan, R.	Development and evaluation of a tailored fatigue self-management behavioural intervention for patients with advanced cancer	RBWH Foundation	\$44,426 (2014)
Choudhury, M., Rickard, C., McMillan, D., Chan, R. ,	CHEERS: the CHlorhexidine ReSistance Study.	Griffith Health Institute	\$14,000 (2014-2015)
Gavin, N.	The effect of parenteral nutrition on microbial growth and its influence on catheter-related blood stream infections in patients with a central venous access device	NHMRC Centre for Research Excellence in Nursing	\$96,000 (2012-2014)
McMillan, D., Choudhury, M., Rickard, C., Chan, R.	Emergence of Chlorhexidine Tolerance in Bacteria associated with Catheter Related Infections	University of Sunshine Coast	\$10,000 (2014-2015)
Mollee, P., Kennedy, G., Looke, D., Van Kulenburg, A., Geary, A.	Catheter-associated bloodstream infections in adults with cancer: a prospective randomised controlled trial.	NHMRC Project	\$86,658 (2012-2014)
Rickard, C., Webster, J., Young J., McMillan, D., Fraser, J., Chan, R.	The RSVP Trial: Replacement of Intravascular device administration sets after Standard Versus Prolonged use.	NHMRC Project	\$1,555,000 (2011-2014)
Turner, J., Yates, P., Kenny, L., Gordon, L., Burmeister, B., Thomson, D., Hughes, B., McCarthy, A., Perry, C., Chan, R.	Improving quality of life in high-risk cancer populations: a randomised trial of a structured intervention for head and neck cancer survivors.	NHMRC Project	\$476,074 (2013-2016)
Wallace, A. , Downs, E., Yates, P., Chan, R.	Provision of Survivorship Care for patients with a haematological malignant at completion of treatment: a single centre study and an Australian national study.	RBWH Foundation	\$500 (2014)