

PA Research Support Scheme

The PA Hospital Centres for Health Research, Metro South Health's Study, Education and Research Trust Account Committee and the Board of the PA Research Foundation are pleased to announce the successful recipients of the 2016 funding round of the PA Research Support Scheme.

The PA Research Support Scheme aims to award excellence in research; providing people and project support and rewarding research excellence within Metro South and on the PAH Campus. Grant funding is awarded to researchers across medical, allied health, nursing and basic/clinical fields who strive to translate research discoveries into improved health and medical outcomes.

The PA Research Support Scheme is a joint initiative funded by the PA Research Foundation, through generous donations from the public, donors, bequests and local businesses, and Metro South Health.

For grants beginning in 2016, over \$2 million in research grants was awarded to 40 research studies across Metro South and based at the PAH campus in the following fields: asthma, cancer (blood, breast, head and neck, prostate, skin), chronic kidney disease, bone regeneration, gastrointestinal disease, geriatric medicine, health systems and health economics, hypertension, liver disease, obesity, physiotherapy, and trauma and disease management.

Successful recipients were from a variety of disciplines across Metro South, including: the Centre for Functioning and Health Research, QEII Hospital, the PAH Departments/Divisions of Cancer Services, Cardiology, Dermatology, Diabetes & Endocrinology, Emergency, Gastroenterology & Hepatology, Geriatrics, Nephrology, Nursing Practice Development Unit, Otolaryngology, Physiotherapy, Plastics and Reconstructive Surgery, Respiratory Medicine, and Trauma Surgery. Funding was also awarded to PAH-campus based researchers from the UQ School of Medicine, UQ Diamantina Institute, and the Australian Prostate Cancer Research Centre — Qld (QUT).

Congratulations to all the researchers who received grant funding. We look forward to following your journey on the road to finding better treatments and cures for some of today's biggest health challenges.

GRANTS STARTING IN 2016

FUNDING CATEGORIES

[Postgraduate Scholarships](#)

[PAH Senior House Officer \(Fellowship in Clinical Research\) New Appointment Grants](#)

[Project Grants](#)

[Small Grants](#)

[ALH Group Breast Cancer Project Grant](#)

[Spirit Hotel Group Men's Health Project Grant](#)

[Near-Miss NHMRC Grants](#)

[NHMRC Infrastructure Support](#)

[TRADIM Research Grants](#)

PA Research Support Scheme

POSTGRADUATE SCHOLARSHIP

Postgraduate Scholarships provide a stipend for up to 3 years full-time (or 6 years part-time) towards a research masters or doctorate degree.

SERTA funded recipients

Ms Christine Ossenberg (Nursing Practice Development Unit, PAH). *Improving registered nurse capacity to provide feedback to build capability of new graduate nurses*

Supervisors: Prof Amanda Henderson (PAH), A/Prof Marion Mitchell (Griffith University)

Dr Andrea Viecelli (Nephrology Department, PAH). *Strategies to improve vascular access outcomes in haemodialysis patients*

Supervisors: A/Prof Carmel Hawley (PAH), Prof David Johnson (PAH)

PA Research Foundation funded recipients

Mr Moustafa Sherif (UQDI). *Genetic engineering of tumour-infiltrating monocytes to inhibit metastatic breast cancer*

Supervisors: Dr Roberta Mazziari (UQDI), Prof Dietmar Hutmacher (IHBI QUT), Dr Katharine Cuff (PAH)

PAH SENIOR HOUSE OFFICER (FELLOWSHIP IN CLINICAL RESEARCH)

The PAH Senior House Officer Fellowship in Clinical Research (12 months) provides funding of \$75,000 by SERTA for one year to enable medical graduates who have completed or are about to complete clinical training and who wish undertake research as part of vocational specialist training, or for a bridging period towards consideration of a doctorate degree.

Dr Nathan Adams (ENT Surgery, PAH)

Enhancing the efficacy and understanding of EBC-46 in the treatment of head and neck squamous cell carcinoma

Supervisors: A/Prof Ben Panizza (PAH), Prof Peter Parsons (QIMR), Dr Glen Boyle (QIMR)

Dr Matthew Cheng (Plastics & Reconstructive Surgery, PAH)

3D breast surface imaging and novel application of fat tissue transfer onto 3D-printed biodegradable scaffolds for breast reconstruction.

Supervisor: Dr Michael Wagels (PAH), Prof Dietmar Hutmacher (QUT), Dr Ian Bennett (PAH)

Dr Hui-Shan (Stella) Lin (UQ Centre for Research in Geriatric Medicine, PAH)

Frailty and perioperative outcome

Supervisor: A/Prof Ruth Hubbard (PAH)

Dr David Sparks (Plastics & Reconstructive Surgery, PAH)

Vascularised bone tissue transfer: Historical perspectives of bone vascularity and the introduction of dual energy computed tomography as novel means to quantify bone perfusion

Supervisors: Dr Michael Wagels (PAH), Prof Michael Schuetz (PAH), Prof Dietmar Hutmacher (QUT), Dr Trevor Watkins (PAH)

New Appointment Grants

The New Appointment Grant provides \$75,000 pa for 2 years, to assist a new MSH-based clinical appointee set up their research program.

Dr Colm Keane

(Haematology, PAH)

Investigation of the unique immune microenvironment in Primary CNS Lymphoma (PCNSL)

SERTA funded

Project Grants

Project Grants (12 months) provide \$75,000 for defined studies demonstrating cross-disciplinary, MSH multi-site, or PAH-campus collaborative research with a potential to be translated into improved health outcomes.

Dr Bena Cartmill (Centre for Functioning & Health Research, PAH)

Evaluating the implementation of a swallowing, nutrition and distress screening service model for patients with head and neck cancer and their carers undergoing (chemo) radiotherapy treatment.

PARF funded

Prof Ken Ho (Diabetes and Endocrinology, PAH)

Diet-induced thermogenesis and obesity: Friend or foe

SERTA funded

Prof Gerald Holtmann (Gastroenterology & Hepatology, PAH)

Changes to the mucosa associated microbiota (MAM) during a 12 month nutrient diversion due to treatment with a duodenojejunal bypass sleeve

SERTA funded

A/Prof Warrick Inder (Diabetes and Endocrinology, PAH)

Identification of glucocorticoid-responsive biomarkers — a proteomic approach

SERTA funded

Prof David Johnson (Nephrology, PAH)

SYNERGY A randomised-controlled trial investigating the effect of pre- and probiotic supplementation on left-ventricular function in chronic kidney disease

PARF funded

A/Prof Ben Panizza (ENT Surgery, PAH)

Molecular mechanisms of perineural invasion in cutaneous squamous cell carcinoma of the head and neck

PARF funded

Dr Erin Shanahan (Gastroenterology & Hepatology, PAH)

Genetic dissection of mucosa-associated microbiota associated with functional gastrointestinal disorders

SERTA funded

Small Grants

Small Grants (12 months) provide \$25,000 in seed funding for studies that will have the potential to build capacity.

Dr Mary Boyde (Cardiology and NPDU, PAH)

Patient preferences for the delivery of cardiac rehabilitation

SERTA funded

Mrs Carolyn Brown (BreastScreen Queensland, QEII)

Exploring the potential of the community pharmacy as a setting to promote bowel and breast cancer screening in the Metro South Health catchment

SERTA funded

A/Prof Matthew Foote (Radiation Oncology, PAH)

Gold nanoparticle enhanced radiotherapy for non-melanoma skin cancer

SERTA funded

Mr Marc Nickels(Physiotherapy, PAH)
*CyCLIST — Critical Care Cycling
Study SERTA funded*

Dr Michael Sinnott (Emergency, PAH)
*Determination of the strength of association between safety scores and sharps injuries to staff and safety scores and patient safety: A proof-of-concept study
SERTA funded*

Prof Michael Stowasser (Endocrine Hypertension Research Centre, PAH)
*Quantitative mRNA analysis of thiazide sodium cotransporter from urinary exosomes in primary aldosteronism
SERTA funded*

ALH Group Breast Cancer Project Grant

The ALH Group Breast Cancer Grant Project (12 months) provides \$75,000 support for research directed towards improving health and medical outcomes pertinent to breast cancer.

Dr Thomas Lloyd (Radiology, PAH)
*Magnetic resonance and extracellular matrix studies of mammographic density
PARF funded*

Spirit Hotel Group Men's Health Project Grant

The Spirit Hotel Group Men's Health Project Grant (12 months) provides \$50,000 support for research directed towards improving health and medical outcomes pertinent to men's health.

Prof Colleen Nelson (Australian Prostate Cancer Research Centre — QLD, QUT)
*Investigating the biological response to stereotactic radiation in oligometastatic prostate cancer in mouse intra-tibial human prostate cancer models
PARF funded*

Near-Miss NHMRC Grants

Near-Miss NHMRC Grants (12 months) provide \$75,000 support for project grant applications submitted by MSH researchers to the National Health and Medical Research Council's (NHMRC) funding scheme. These unsuccessful NHMRC applications were categorised as highly fundable (Category 4 or 5) but failed to meet the funding threshold in this year's application round.

Prof Maher Gandhi (The UQ Diamantina Institute)
*Marshalling NK-cells in the fight against blood cancers: A novel approach
PARF funded*

Prof Colleen Nelson (Australian Prostate Cancer Research Centre — QLD, QUT)
Analysis of treatment response in metastatic prostate cancer using circulating tumours cells from longitudinal clinical trials and novel patient-derived organoids in culture

PARF funded

A/Prof Helmut Schaidler (Dermatology Research Centre, UQ School of Medicine)

Epigenetic remodelling driving acquired permanent drug resistance in melanoma cells

PARF funded

Prof John Upham (Respiratory Medicine, PAH)

Anti-viral immunity in severe asthma: Understanding the causes and consequences of reduced interferon production in relation to inflammatory phenotypes

SERTA funded

NHMRC Infrastructure Support

NHMRC Infrastructure Support (12 months) provides fractional support to current recipients of NHMRC Project Grant funding, to support infrastructure costs of the project which are not provided by the NHMRC.

Prof Matt Brown (The UQ Diamantina Institute)

The gut microbiome in ankylosing spondylitis and Crohn's disease

PARF funded

Prof Maher Gandhi (The UQ Diamantina Institute)

Circulating biomarkers in advanced classical Hodgkin Lymphoma

PARF funded

Prof Len Gray (UQ Centre for Research in Geriatric Medicine, PAH)

Telehealth in residential aged care facilities: A pragmatic randomised control trial

PARF funded

A/Prof Carmel Hawley (Nephrology, PAH)

IMPROVE-CKD Study: Impact of a phosphate binder on cardiovascular disease in chronic kidney disease

SERTA funded

Prof Gerald Holtmann (Gastroenterology & Hepatology, PAH)

Pathophysiology of functional dyspepsia: Integration of upper gut function, inflammation and a systems biology approach

SERTA funded

Dr Ruth Hubbard (UQ Centre for Research in Geriatric Medicine, PAH)

Risk stratification of older people in hospital: Validation and influence on clinical decision making

SERTA funded

Prof David Johnson (Department of Nephrology, PAH)

CKD-FIX: a randomised, controlled trial of allopurinol in the slowing of kidney disease progression

SERTA funded

Prof Peter Soyer (Dermatology, PAH)

Genetic polymorphisms associated with clinical and dermoscopic naevus signature patterns

PARF funded

Prof Michael Stowasser (Endocrine Hypertension Research Centre, PAH)
A novel approach to streamlining the diagnosis of primary aldosteronism

SERTA funded

Prof John Upham (Respiratory Medicine, PAH)

Using influenza vaccination to understand and improve anti-viral immunity in COPD

SERTA funded

Dr David Vesey (Nephrology, PAH)

*Modulating inflammatory and fibrogenic pathways in kidney disease using a novel antagonist of
Protease-Activated-Receptor-2*

SERTA funded