




The Institute

basil hetzel institute for translational health research

MONTHLY BULLETIN FOR TQEH RESEARCH COMMUNITY

# WINNING NEWS

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the hospital  
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## THRF awards \$2.53million in 2018 grant funding to BHI, TQEH

Last Thursday The Hospital Research Foundation announced the successful recipients in their 2018 Grant Funding Round at the Basil Hetzel Institute for Translational Health Research (BHI), The Queen Elizabeth Hospital (TQEH).

Worth \$2.53million, the grants and fellowships awarded will provide funding for researchers and projects that will go on to make a difference in the South Australian community.

“We congratulate the recipients on their outcome in a highly competitive grant round and look forward to working with them to deliver lifesaving outcomes that can be translated into patient care as soon as possible,” said THRF CEO Paul Flynn.

A summary of each of the 9 grants and fellowships is included on the following pages.

THRF Grant	Recipients
Basil Hetzel Translational Grant	Prof PJ Wormald, A/Prof S Vreugde, Dr H Saleh
Basil Hetzel Translational Grant	Dr I Ranasinghe, A/Prof M Gallagher, A/Prof I Scott
Development Grant	Prof PJ Wormald, Prof G Maddern, A/Prof S Vreugde
Project Grant	Dr S Appleton, Prof R Adams, Prof J Beltrame
Mid Career Fellowship	Dr Nicky Thomas
Mid Career Fellowship	Dr Helen Stallman
Early Career Fellowship	Dr Cher-Rin Chong
Early Career Fellowship	Dr Katharina Richter
Early Career Fellowship	Dr Kevin Fenix

JULY  
2018

ISSUE 113

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### BHI SEMINARS

**Tuesdays 1pm**  
Staff Seminars

**Wednesdays 12pm**  
Invited External Speaker Seminars

**Thursdays at 1pm**  
Postgraduate Student Seminars

### UPCOMING EVENTS

**Student Open Night**  
Monday 23 July

**BHI Talking Heads Seminar**  
Tuesday 11 September

**TQEH Research Expo**  
Thursday 18 & Friday 19 October

# BHI HUB

## From the BHI Facility Manager Kathryn Hudson

BHI Ground Floor  
Phone ext: 27427  
[kathryn.hudson@sa.gov.au](mailto:kathryn.hudson@sa.gov.au)



The Winning News editions this year have summarised some points from The SA Health Respectful Behaviour Policy on Team work and staff engagement, and giving constructive feedback. A resilient system relies on the ability of staff to engage with constructive feedback. This month we continue by exploring “Receiving Constructive feedback”.

### Receiving feedback constructively

Outcomes are improved when feedback is received in an active way and the parties take part constructively in the conversation. Firstly, listen attentively and carefully, and allow the person to say what they feel is necessary. Then:

- Check you have heard accurately by paraphrasing and asking if you have heard correctly.
- Ask questions for clarification, request specific examples if the feedback has not been specific enough.
- Ask for ideas for change or solutions that may solve the problem.
- Use collective language ('we', 'us', 'our team', 'our work together') and avoid the use of the word 'but' and clichés like 'I hear what you say...' and 'with respect...'
- Avoid overreacting, but be honest and share your reaction: 'Your comments are useful to hear; although I disagree on this aspect... can we talk it through?'
- If you consider the feedback is critical and unjustified – defend yourself by respectfully providing an alternative explanation.
- If the person is discussing personal attributes, ask them to describe the behaviour that is in question in relation to your work.
- Help develop an Action Plan, with clear goals and a clear, timely review process.
- Consider personal support strategies:
  - seeking coaching from someone appropriate

Next month, some of the personal traits used in fostering Respectful Behaviours will be identified.

## From the BHI Communications Officer Rebecca Anderson

BHI Ground Floor  
Phone ext: 27345  
[rebecca.anderson@adelaide.edu.au](mailto:rebecca.anderson@adelaide.edu.au)  
Work days: 9-3pm Tuesday - Thursday



### **VOLUNTEERS NEEDED: Science Alive! 2018 - Friday 3 August - Sunday 5 August at the Adelaide Showgrounds, Wayville**

Please have a look at your calendars and see if you can spare 3 hours on one of these days to help out at the BHI booth. More information about Science Alive! is provided on page 20 of this newsletter. Friday 3 August is exclusively for school students in years 7 - 12, while the Saturday and Sunday (9-5pm) are for anyone interested in any aspect of science and technology.

If you're willing and available to volunteer please send me an email, indicating which day and time you would prefer (10-1pm, 12-3pm or 2-5pm). Thanks!

# 2018 THRF GRANTS

## Basil Hetzel Translational Grant: \$250,000



*Professor PJ Wormald & A/Professor Sarah Vreugde*

**A new treatment for cystic fibrosis chronic relapsing upper airway infections**

**Professor PJ Wormald**, ENT Surgery, The University of Adelaide and BHI, TQEH

**A/Professor Sarah Vreugde**, ENT Surgery, The University of Adelaide and BHI, TQEH

**Dr Hesham Saleh**, Imperial College London and The Royal Brompton Hospital, London, UK

Chronic Rhinosinusitis (CRS) is one of the most common manifestations in patients with Cystic Fibrosis (CF), accounting for significant morbidity and contributing to CF lung disease. The frequent and often long-term use of antibiotics to treat chronic relapsing airway infections in CF patients significantly contributes to the threat of Multi Drug Resistant (MDR) pathogens. Persistent Methicillin Resistant *Staphylococcus aureus* (MRSA) infections affect up to 62% of CF patients in the United States of America and have been associated with disease recalcitrance and more rapid decline in lung function. There is an urgent need for the development of new treatments that are effective at eliminating MRSA infections and reduce the associated inflammation.

Bacteriophage (phage) is a virus that targets and kills one specific bacterial species, leaving the human mucosa and commensal species unaffected. In collaboration with AmpliPhi

Biosciences, our team has recently successfully completed a first-in-man human clinical trial to test the safety and preliminary efficacy of a phage cocktail to treat acute exacerbations of *S. aureus* CRS. We have further improved this treatment to develop a novel phage-based formulation that is now able to eradicate rather than reduce *S. aureus* including MRSA strains. This project brings together our Adelaide-based team (Prof PJ Wormald and A/Prof S Vreugde) with Dr Saleh, a specialist in CF CRS, located at the Royal Brompton Hospital (RBH) in London, one of the largest CF centres in Europe. The team aims to optimise the delivery of the new formulation to make it suitable for topical delivery to the sinus region and continue with the preclinical and clinical development of the technology in non-CF and CF recalcitrant CRS patients.

## Basil Hetzel Translational Grant: \$250,000



**SAFety, Effectiveness of care and Resource use among Australian hospitals (SAFER HOSPITALS)**

**Dr Isuru Ranasinghe**, Health Performance and Policy Research Unit, The University of Adelaide and BHI, TQEH

**A/Professor Martin Gallagher**, Renal and Metabolic Division, Faculty of Medicine, University of Sydney, and Concord Repat and General Hospital Sydney

**A/Professor Ian Scott**, Princess Alexandra Hospital and University of Queensland

More than 10 million hospitalisations occur every year in Australia for a range of acute and elective conditions across >1,000 geographically dispersed hospitals. Providing such complex and diverse care is costly with over \$60billion spent annually on hospital care. However, very few outcomes

of hospital care are measured or reported nationally despite increasing local and global concerns about variation, quality, appropriateness and escalating costs of hospital care. The SAFety, Effectiveness of care, and Resource use among Hospitals (SAFER Hospitals) study

# 2018 THRF GRANTS CONTINUED

## cont. Basil Hetzel Translational Grant

is a multidisciplinary collaboration of clinicians, researchers, economists, data scientists and industry partners to address this knowledge gap. The overarching goal of this study is to estimate the national incidence of serious adverse events, unplanned hospitalisations and mortality following hospital-based care and how these outcomes vary among hospitals. It will also evaluate the impact of these untoward outcomes on the health system by delineating the avoidable costs.

The SAFER Hospitals study directly addresses the fourth phase of translational research which seeks to evaluate the “real world” health outcomes of health practices. It will benefit the Australia community by

- (1) informing and prioritising target conditions for large-scale quality improvement efforts;
- (2) support implementation of standardised methods for hospitals to routinely measure patient outcomes; and
- (3) facilitating policy changes such as innovative funding models to incentivise safer and more effective care.

## Development Grant: \$150,000



*Professor Guy Maddern*



*ENT Surgery Group, January 2018*

### **A novel medicated resorbable adhesion barrier device for use in abdominal surgery**

**Professor Peter-John Wormald**, ENT Surgery, The University of Adelaide and BHI, TQEH

**Professor Guy Maddern**, Surgical Science Research Group, The University of Adelaide and BHI, TQEH

**Associate Professor Sarah Vreugde**, ENT Surgery, The University of Adelaide and BHI, TQEH

This team will further the preclinical development of a novel surgical hydrogel that has the potential to prevent the formation of adhesions post-abdominal surgery. The formation of adhesions is often considered an inevitable consequence of abdominal and pelvic surgery, jeopardising the medium and long-term success of these common procedures. From the 700,000 elective abdominal surgeries that occur each year in Australia, re-intervention is required in approximately 30,000 patients within 2 years of the first intervention just to remove adhesions formed after the first intervention. Postsurgical abdominal adhesions are the largest single cause of intestinal obstruction and cause chronic abdominal pain and infertility in women. Methods currently employed to reduce adhesions are good surgical technique and surgical hydrogels, promoting

a physical separation of wound surfaces. However, these hydrogels have limited efficacy and are difficult to handle. There is an urgent need for adjuvants to prevent post-surgical abdominal adhesions.

We have developed a novel surgical hydrogel that contains and delivers compounds that have potent wound-healing properties and reduce the formation of adhesions *in vitro* and *in vivo*. Our hydrogel is unique as it is the only medicated resorbable adhesion barrier device that addresses both physical and physiological causes of adhesion formation. This project will test the safety and efficacy and optimise the formulation of this new device to block adhesions after abdominal surgery *in vivo*.



# 2018 THRF GRANTS CONTINUED

## Project Grant: \$140,000



**Broken Sleep – Broken Heart?: Longitudinal follow-up of cardiovascular and cognitive outcomes in middle aged and older men in North-West Adelaide**

**Dr Sarah Appleton**, The Health Observatory, The University of Adelaide and BHI, TQEH

**Professor Robert Adams**, The Health Observatory, The University of Adelaide and BHI, TQEH

**Professor John Beltrame**, Translational Vascular Function Research Collaborative, The University of Adelaide and BHI, TQEH

*Professor Robert Adams & Dr Sarah Appleton*

Obstructive sleep apnea (OSA) is a heterogeneous disorder characterised by snoring and repetitive collapse of the upper airway during sleep. Costs to the community are extensive, over \$6 billion annually. We and others have identified that undiagnosed OSA is very common in the community and is associated with the development of cardiovascular disease (CVD), stroke and cardiometabolic risk, cognitive impairment, increased mortality and accident risks.

In our study of 1021 men in North-West Adelaide in 2010-11, 40% of men aged over 40y had moderate-severe OSA, half of whom were undiagnosed, while another 25% had mild OSA. It is unknown what has happened over time, particularly to the men with mild OSA. For example, it is unknown if those with mild OSA have progressed to a severity where CVD risks and cognitive impairment become evident. The little evidence that exists to assess progression of OSA with repeat sleep studies comes from two US studies in the 1990's using outdated technology. These studies determined that weight

gain was an important determinant of disease progression. However, even in the absence of any weight gain, in people without OSA at the baseline assessment, moderate to severe OSA developed in 20% of participants in just 5 years.

Unlike easily monitored CVD risk factors including blood pressure, cholesterol or depression symptoms, sleep studies to detect OSA are relatively expensive, difficult to access and rarely repeated unless symptom severity increases. By repeating sleep studies in our cohort participants and linking that information to the extensive health data we are currently collecting using NHMRC funding, we can identify predictors of disease progression in men who had mild or no OSA 8-10 years ago. This has important policy implications for government and third party funders to decide how to allocate health resources toward managing the costly burden of OSA in Australia, including who to recommend for testing and how frequently, in order to reduce OSA related CVD risks.

## THRF Mid Career Fellowship: \$480,000 (2018-2021)



**Dr Nicky Thomas**, NHMRC Early Career Research Fellow, School of Pharmacy and Medical Sciences, University of South Australia

[nicky.thomas@unisa.edu.au](mailto:nicky.thomas@unisa.edu.au)

### **A Trojan Horse strategy for antimicrobial biologicals**

Worldwide 10 million people are expected to die every year due to the increase in antimicrobial resistant bacteria, calling for an urgent need for novel, effective therapeutic approaches.

As a trained pharmacist with a PhD in pharmaceutical sciences Nicky has extensive experience in the area of nano-medicine, that is, medicine as small as 1/1000 the width of a human hair. His research has shown that the use of nano-antibiotics is more successful against life threatening bacteria, also known as "superbugs", than currently available antibiotics.

# 2018 THRF GRANTS CONTINUED

## THRF Mid Career Fellowship: Dr Nicky Thomas (cont.)

A key barrier to commonly available antibiotics are biofilms - communities of bacteria embedded in a protective slime that prevents effective treatment. This ultimately leads to chronic infections, repeated and costly long-term antibiotic treatment, further adding to the development of global antibiotic resistance.

In this project Nicky's group will use biological compounds, such as enzymes, that remove the protective slime surrounding the bacteria. This clears the way for the previously ineffective antibiotics that can now eradicate the infection when given together with enzymes.

In order to protect and hide the enzymes from premature inactivation in the body, Nicky employs a "Trojan Horse"

strategy for the smart delivery of antimicrobial compounds. Concealing and protecting enzymes from premature degradation, the Trojan Horse carriers "sense" the presence of an infection and respond by releasing their payload of enzymes and antibiotics for the most effective and direct antimicrobial effect at the site of infection.

In collaboration with the University of South Australia's Nanomedicine group led by Professor Clive Prestidge and clinicians at The Queen Elizabeth Hospital (TQEH) and the Royal Adelaide Hospital (RAH) this project will develop and evaluate an array of smart, bio-responsive Trojan Horse carriers for use in three major areas of human chronic infections, specifically wound, implant and upper respiratory infections.

## THRF Mid Career Fellowship: \$480,000 (2018-2021)



**Dr Helen Stallman**, Senior Lecturer, School of Psychology, Social Work and Social Policy, University of South Australia

[helen.stallman@unisa.edu.au](mailto:helen.stallman@unisa.edu.au)

**Improving sleep and coping in inpatients to improve clinical outcomes and reduce hospital readmissions**

Psychological distress and disorders are common in inpatients, with prevalence estimates ranging from 9.8%–45%, depending on population and constructs measured. Furthermore, emotional and coping problems are associated with poor treatment adherence post-discharge from hospital. They are also associated with significantly higher rates of death, secondary adverse events, and increased health care use including higher rates of readmission and emergency room visits. High readmission rates are a recognised problem in Australia and contribute to over 600,000 potentially preventable hospitalisations yearly; a largely avoidable cost to the healthcare system.

This project will test a novel hypothesis that targeting the high prevalence causes of psychological distress—sleep and coping skills problems—will result in improved mood regulation with resultant improvements in treatment adherence and health outcomes. By training inpatient staff to promote sleep and coping skills before discharge, it aims to improve patients' self-efficacy and competence to reduce emotional reactivity

(through improved sleep) and emotional regulation (through coping) to improve treatment outcomes.

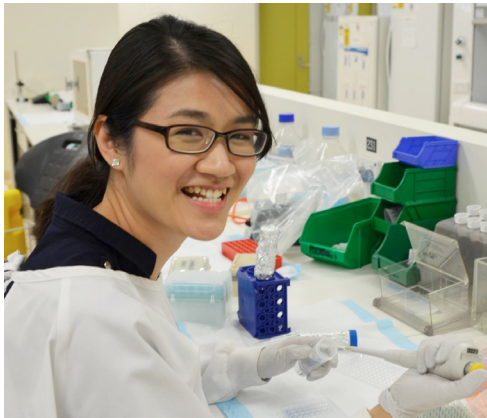
Care • Collaborate • Connect [8] is an innovative, brief, psychological intervention that I developed. It is innovative in a number of ways:

- 1) It uses the most current research in neuroscience and psychology to understand distress, coping, and health;
- 2) it addresses a number of biopsychosocial determinants of health and wellbeing;
- 3) it normalises distress and coping and builds on the existing strengths of patients; and
- 4) it is brief and easily learnt and applied by a range of health professionals and laypeople.

By addressing two of the highly prevalent causes of psychological distress, sleep and coping skill deficits, this project has the potential to improve health outcomes and quality of life for patients and reduce healthcare costs associated with preventable readmissions to hospital and emergency room visits across a wide range of conditions.

# 2018 THRF GRANTS CONTINUED

## THRF Early Career Fellowship: \$240,000 (2018-2020)



**Dr Cher-Rin Chong**, Nuffield Medical Fellow, Department of Physiology, Anatomy & Genetics, Oxford University, UK

[cher-rin.chong@dpag.ox.ac.uk](mailto:cher-rin.chong@dpag.ox.ac.uk)  
[cher-rin.chong@adelaide.edu.au](mailto:cher-rin.chong@adelaide.edu.au)

### **A new strategy to prevent heart failure in diabetes**

Diabetes represents an increasing problem worldwide, due to its rising prevalence and associated complications. In Australia, one person develops diabetes every 5 minutes. The complications associated with diabetes include increased risk of some cancers, stroke, fatty liver, kidney failure, eye problems and nerve damage. However, the most common problems encountered in patients with diabetes are related to various forms of heart disease. Patients with diabetes are at markedly increased risk for heart attacks and blood clots, the former of which are often fatal. In addition, compared to non-diabetics, patients with diabetes are also more prone to develop heart failure, for reasons which are not fully clear. One possibility is that the diabetic heart “runs out of energy” as it has reduced capacity to metabolise carbohydrates such as glucose. Indeed, previous study showed that patients with diabetes had lower heart energy, even though they had no known heart disease. However, neither the cause nor the consequences of this energetic impairment are fully understood. Furthermore, there is no treatment currently available to prevent heart disease in patients with diabetes.

One possible cause of low energy level in the diabetic heart is the overactivation of an enzyme called PARP-1. PARP-1 is usually activated when the stressed cells are producing free radicals (as occurs in patients with diabetes). Its activation, when it becomes excessive, results in inflammation and lowering energy levels. To date, there is some evidence that PARP-1 is activated in diabetes and is partially responsible for the development eye, nerve and vessel disease in diabetes. However, little is known about PARP-1 activation and energy levels in the diabetic heart. In the planned study, I will use non-invasive imaging technique and determine whether PARP-1 activation is responsible for the impairment of heart function in diabetes, and exactly how it does so. I will use a model of

diabetes in rats, and will determine whether the activation of PARP-1 is associated with energetic impairment, reduced energy generation in the mitochondria (the “powerhouse” of the cell), and increased inflammation within the heart.

I will then investigate whether a PARP-1 inhibitor (currently also being used for the management of some cancers) reverses the malfunction of diabetic hearts and the associated energetic impairment. I will also investigate other possible ways for reducing the effects of PARP-1 overactivation, such as limiting its generation from the oxidative stress product peroxynitrite.

The planned research will help to establish whether PARP-1 inhibition should be used routinely to protect the diabetic hearts, not only from the development of heart failure in the absence of vessel disease, but also to reduce the impact of concomitant vessel disease on the function of the heart. It is possible that PARP-1 inhibitor therapy may become a “routine” form of treatment in patients with diabetes to prevent heart disease. The process of translation of the findings of the planned research will require a double-blind clinical trial of appropriate size. However, preliminary confirmatory data will be obtained as a component of the currently planned study by comparing heart function in patients being treated with PARP-1 inhibitors to that in similar patients on other treatment modalities.

# 2018 THRF GRANTS CONTINUED

## THRF Early Career Fellowship: \$240,000 (2018-2020)



**Dr Katharina Richter**, Postdoctoral researcher, ENT Surgery, The University of Adelaide and the BHI, TQEH

[katharina.richter@adelaide.edu.au](mailto:katharina.richter@adelaide.edu.au)

### **Improving effectiveness of infection control after surgery**

Infections and non-healing wounds after surgery are frequently linked to antibiotic-resistant bacteria, so-called superbugs. Best medical care (that is, long-term antibiotic therapy and revision surgery) fail to effectively kill superbugs like Golden Staph resulting in recurring infections, significant healthcare costs and low quality-of-life of patients.

Dr Katharina Richter's goal is to develop novel strategies for effective infection control, in particular after surgery. Combining her background in pharmaceutical sciences with applied microbiology, Kati graduated as a PhD from the University of Adelaide in 2017. During her PhD tenure at the ENT Surgery Department, she developed two treatments (one patented) to fight antibiotic-resistant Golden Staph and translated both treatments from the laboratory to human clinical trials at TQEH.

In this fellowship Kati will investigate a range of novel treatments against superbugs that cause life-threatening infectious diseases. The capacity to boost antibiotic efficacy and re-sensitise superbugs to antibiotics, as well as wound-healing properties of novel treatments will be determined, before validation in animal models. This will be the groundwork for further product development for clinical applications. For example, the treatment of chronic sinus infections and orthopaedic implant infections.

Kati's established and upcoming collaborations with scientists, surgeons and industry partners enhance the success to translate scientific evidence from bench to bedside. Results of this fellowship have the potential to improve clinical outcomes and to bring significant benefit to patients, healthcare providers and the biomedical industry.

## THRF Early Career Fellowship: \$240,000 (2018-2020)



**Dr Kevin Fenix**, Postdoctoral researcher, Liver Metastasis Research Group, The University of Adelaide and the BHI, TQEH

[kevin.fenix@adelaide.edu.au](mailto:kevin.fenix@adelaide.edu.au)

### **Using Tissue-Resident T cells to develop new prognostics and treatments against bowel cancer**

I am an Early Career researcher who was awarded a PhD on the 31st of July 2017. I completed a Bachelor of Biomedical Science in 2010 and an Honours degree majoring in Immunology in 2011. My field of research expertise is in infectious diseases, cell migration, immunology and cancer.

Colorectal cancer (CRC) commonly known as bowel cancer is the second most common form of cancer in Australia and the third most common cancer world-wide. Other than its cost to human health, CRC presents a huge financial burden. In Australia, it costs at least 1 billion dollars per year to try to treat this disease. This year alone, it is predicted that 17,000 Australians will be diagnosed with CRC and 4,000 Australians will succumb to this disease.



# 2018 THRF GRANTS CONTINUED

## THRF Early Career Fellowship: Dr Kevin Fenix (cont.)

The majority of people who die from bowel cancer, die because the cancer metastasises and spreads to the liver (late stage CRC). This increases the patient's mortality rate from 30% to 70%. Critically, patients who have undergone surgical removal (resection) of liver metastasised-tumours will most-likely (90%) re-develop liver metastasis. What's even more alarming is that the incidence of young people (age 20-39) being diagnosed with CRC has been increasing by 1-2% per year since 1990. Patients diagnosed with CRC at a young age (<55) are 58% more likely to be diagnosed with late stage CRC than older people. At present, there are no effective tools to predict a CRC patient's risk of developing liver metastasis and for liver-resected CRC patient's risk of re-developing liver metastasis.

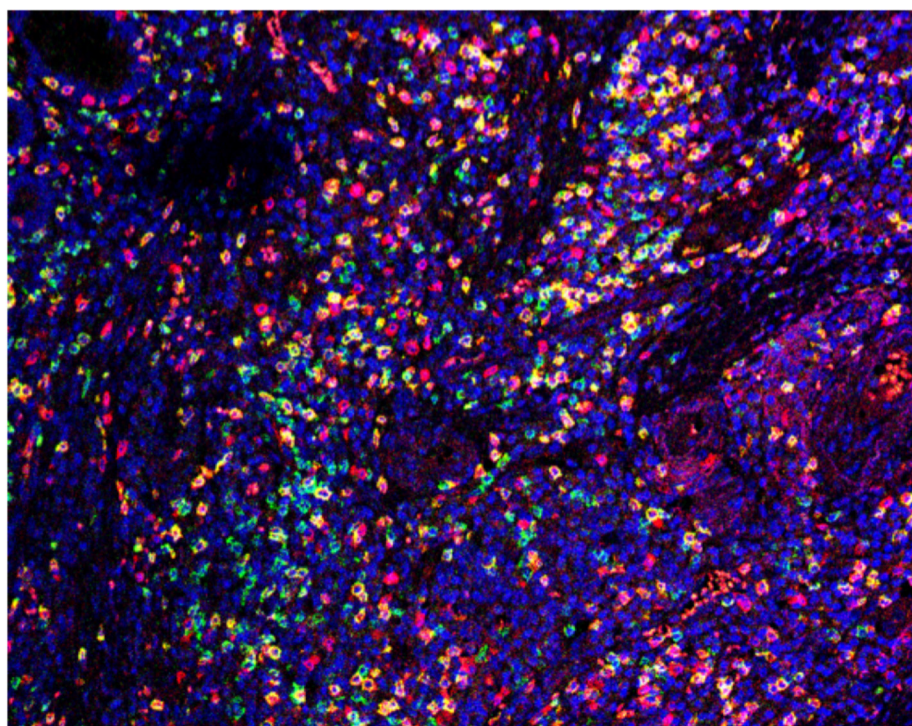
Current treatments are insufficient in controlling CRC once it has metastasised. Thus, there is an urgent clinical need to:

- (1) define improved diagnostic markers for metastatic CRC to reduce death rates by identifying metastasizing cancers earlier and to
- (2) identify improved treatments that can prevent the spread of CRC to the liver and treat existing liver metastasis.

During my tenure with the Liver Metastasis Group headed by Professor Guy Maddern and Dr Ehud Hauben, I have found that the presence of specific immune cells, called Tissue-Resident T cells can be predictive of a CRC patient's risk for liver metastasis and survival. Thus, this can potentially be a highly transformative and powerful new screening method that provides oncologists with a risk identifier of CRC patients susceptible to developing liver metastasis. Furthermore, this new marker can potentially be targeted to develop novel approaches to treat CRC liver metastasis. As such this exciting discovery needs to be developed further to improve patient survival and reduce the national and global socio-economic burden of CRC.

My fellowship has two short-term and one long-term aims to achieve my goal of using Tissue-Resident T cells as a prognostic tool and therapeutic target against CRC:

- 1) Validate that this method can be used as a prognostic tool to detect risk of liver metastasis.
- 2) Extend the predictive capabilities of this tool to late stage liver-resection patients.
- 3) Develop Tissue-Resident T cell-based therapies for bowel cancer liver metastasis.



*Tissue Resident Cells are shown in yellow*

# AWARDS

## Australian Centre for HIV & Hepatitis Virology Awards



(L-R): Dr Danushka Wijesundara, Makutiro Masavuli, Professor Jens Bukh, Dr Branka Grubor-Bauk and Zelalem Mekonnen.

Two BHI researchers from the Virology Group, led by Professor Eric Gowans, received major awards from the recent Australian Centre for HIV and Hepatitis Virology (ACH2) Conference which was held in the Yarra Valley from 6-8 June. The Hospital Research Foundation's Early Research Fellow **Dr Danushka Wijesundara** was awarded the Australian Centre for Hepatitis Virology (ACHV) Chris Burrell HCV International Travel Award (value \$4000), while the ACHV Domestic Travel Award (value \$1000) was awarded to PhD student **Zelalem Mekonnen**.

The photo shows four members of the BHI Virology Group with Professor Jens Bukh, from Copenhagen, Denmark, who was the first researcher to publish the finding that there are six major genotypes of the hepatitis C virus. He

received the Novo Nordisk Foundation Prize in 2015 (valued at over \$600,000) which is awarded to recognise unique medical research, or other research contributions, that benefit medical science. Professor Bukh was the invited plenary speaker at the ACH2 meeting.

## ASMR Ross Wishart Memorial Award



Dr Sathish Paramasivan

Congratulations to **Dr Katharina Richter**, from the ENT Surgery research group, for winning the Ross Wishart Memorial Award at the Australian Society for Medical Research (ASMR) Scientific Meeting in Adelaide last week. Another of the four finalists, **Dr Sathish Paramasivan**, is also from ENT Surgery.

The Ross Wishart Memorial Award is given to the person who delivers the most outstanding presentation at the SA division's Annual Scientific Meeting during Medical Research Week. It is named in memory of Ross Wishart, a scientist and long-term member of the SA ASMR

committee. Kati is continuing her research at the Basil Hetzel Institute where she completed her PhD (Faculty of Health and Medical Sciences - The University of Adelaide) in 2017.



Kati (left) receiving the award from ASMR SA State Convenor Miss Annabel Sorby-Adams

## Nominate for Prizes at upcoming meeting

Two members of the Health Performance and Policy Research Unit at the BHI, led by Dr Isuru Ranasinghe, have been nominated for prizes at the Cardiac Society of Australia and New Zealand Annual Scientific meeting to be held in Brisbane on August 2nd-5th. Research Officer **Dr Saranya Hariharaputhiran** has been nominated as one of 3 national finalists for the Heart Failure prize and **Bora Nadlacki** (a Flinders Medical Student who has been working with Isuru's group) has been nominated as one of 3 national finalists for the Clinical and Preventative Cardiology prize.



# NEWS

## BHI 'Talking Heads' Research Seminars



The first of three BHI 'Talking Heads' Research Seminars, generously sponsored by The Hospital Research Foundation, was held on Thursday 21 June. **Professors Tim Price and Guy Maddern** each spoke about their current research activity and plans for the near future. Associate Professor Joanne Young was the Chair for this session.

The second BHI 'Talking Heads' Research Seminar was held on Tuesday 3 July with three speakers: **Dr Isuru Ranasinghe, Professor Robert Adams and Professor Renuka Visvanathan** (seen in photo below L-R with Dr Sarah Appleton who chaired the session). The title of their combined talks was "Leveraging Big Data for Better Health Outcomes". It was followed by the BHI Longest Table Lunch, a fundraiser for THRF.



The BHI Longest Table Lunch celebrated with the theme of World Cup Soccer Fever!



Donations are still welcome! <https://www.thelongesttable.com.au/table/bhi-longest-lunch/> (your donation is 100% tax deductible and proceeds go directly to THRF).



## BHI Photo Competition

Do you have an interesting Research Image? Your image can be a scientific image (front cover of a journal) or perhaps an unusual perspective of your research work (but not necessarily convey a result). It might contain some beautiful colours, or interesting relief patterns, it might be a close up of some research equipment you use. Maybe it's your team working together? Or the clinical areas where you work? The image does not have to explain the research you are doing, but spark interest from the viewer.

Get your creative neurons sparking. Some examples from UniSA are <http://www.unisa.edu.au/Research/PhotoComp/2017-Winners-and-Finalists/>

Submit your image to our competition! There will be prizes. Photos will be judged on creativity, uniqueness and overall quality.

Ideally, we will be able to collate a pool of captivating images, which will highlight the diversity and breadth of our research, and can be utilised for various marketing, promotional campaigns, and commercial purposes.

### You must agree that:

1. The image can then be used for various BHI marketing purposes (website, research reports, banners, posters etc)
2. If the image contains non-BHI/TQEH identifiable people (eg. patients) they must sign a talent waiver form (please see Kathryn or Rebecca for a hard-copy of this form).
3. The image must have a link to research or clinical setting at TQEH.
4. Submit the image in highest resolution possible (minimum 300 dpi).
5. You can submit more than one photo
6. The photo must be your own original work.
7. The image has not been published previously (eg. journals).

### ENTER NOW!

Send your images to [Kathryn.hudson@sa.gov.au](mailto:Kathryn.hudson@sa.gov.au) with your name, research group, and a short caption.

**Competition closes on July 31st 2018.** Shortlisted photos will be subject to a popular public vote to determine the ultimate winner.





# BHI STUDENT NEWS

## BHI STUDENT REPS 2018-2019



**Clementine Labrosciano (Level 2)**  
[clementine.labrosciano@adelaide.edu.au](mailto:clementine.labrosciano@adelaide.edu.au)



**Sarah Bernhardt (Level 1)**  
[sarah.bernhardt@adelaide.edu.au](mailto:sarah.bernhardt@adelaide.edu.au)



**Joe Wrin (Level 1)**  
[joe.wrin@adelaide.edu.au](mailto:joe.wrin@adelaide.edu.au)

## BHI Student Representatives for 2018-2019

Please welcome the three new BHI student representatives for the next year, Clementine, Sarah and Joe. All students, especially those new to the BHI, are encouraged to get to know their reps and look to them to raise any relevant issues at the BHI Management Committee meetings.

## ASMR Gala Dinner

As platinum sponsors of Medical Research Week in South Australia, and Gala Dinner table sponsors, [The Hospital Research Foundation](http://TheHospitalResearchFoundation.org.au) hosted two tables of researchers from CALHN on Monday 4th June at the Adelaide Pavilion. The photo below shows BHI researchers who attended the dinner at the invitation of THRF, and who were hosted on the night by Fiona Smithson (far right of photo).



## Off the Clock: Thurs 26 July

Make a note in your calendars for the next monthly social get-together! From 4pm on one of the BHI balconies...keep your eyes out for the flyers.

# 2019 THRF SCHOLARSHIPS

The Institute (BHI) Policy Committee supports the following four Scholarship categories for 2019.

Enquiries to the Research Secretariat: [gwenda.graves@sa.gov.au](mailto:gwenda.graves@sa.gov.au)

## 1. 12 month THRF Postgraduate Research Scholarship

**Applications:** Open 23 July 2018; close 31 October 2018

**Scholarship Value:** RTP Stipend rate for 2019 (expected to be in vicinity of \$28,000)

**Number offered:** Variable, depending on funds available

**Eligibility:** Open to medical and science students enrolling in 2019 in a research higher degree at a South Australian University and supervised by researcher based at TQEH/BHI. A student can only hold The Hospital Research Foundation Postgraduate Research Scholarship if they do not simultaneously hold another fully funded Postgraduate Research Scholarship

**Condition:** 70% of work must be conducted at TQEH/BHI. Students reapplying for continuation of Scholarship funding must demonstrate that they have applied in 2019 for external scholarships for 2020. Continued funding is subject to satisfactory academic progress report and available funds.

**Selection:** When assessing a student's application for The Hospital Research Foundation Postgraduate Research Scholarship the Basil Hetzel Institute (BHI) Scholarship Selection Committee considers academic merit, postgraduate clinical training, where relevant, the quality of the proposed research, the suitability of the intended supervisor and Department, the capacity of the Department to support the student project, suitability of the applicant for research training, publications and highly relevant work experience.

## 2. NEW Postgraduate Top up Scholarships (Non-Medical degree background)

**Applications:** Open 23 July 2018; close 31 October 2018; Additional round may be considered

**Total Scholarship Value:** Up to \$10,000 per year for 3 years (PhD program) or 2 years (Masters)

**Number offered:** Variable, depending on funds available

**Eligibility:** Non-medical background graduates enrolling in a higher degree in 2019 at BHI who have been awarded a fully funded external scholarship. Subsequent proof of acceptance of external scholarship and enrolment start date required. Reports from referees who know the student's capacity for training are still required as part of the application submission process. Open to domestic students only.

**Condition:** 70% of work must be conducted at TQEH/BHI; continued funding is subject to satisfactory academic progress.

## 3. THRF Honours Research Scholarships

**Applications:** Open 23 July 2018; close 22 November 2018

**Total Scholarship Value:** \$8,000 for the year

**Number offered:** Variable, depending on funds available

**Eligibility:** Students must be eligible to enrol in an Honours Degree with any University in South Australia. A student can only hold The Hospital Research Foundation Honours Research Scholarship if they do not simultaneously hold another Honours Scholarship.

**Condition:** 70% of work must be conducted at TQEH/BHI.

## 4. THRF Vacation Research Scholarships

These Scholarships have been supported in the past by host departments. Vacation Scholarships will now be supported by half funding from THRF, and half funding from the host department.

**Applications:** Open 23 July 2018; close 11 October 2018

**Total Scholarship Value:** \$1,600 (\$200pw for maximum of 8 weeks)

**Number offered:** Up to 15 Scholarships, depending on funds available

**Eligibility:** The Vacation Research Scholarship is designed for undergraduate students who have completed at least two years of their course. A student can only hold The Hospital Research Foundation Vacation Research Scholarship if they do not simultaneously hold another Vacation scholarship.

**Condition:** The student will be based in a research group at TQEH/BHI.



the hospital  
research foundation



# COMMUNITY ENGAGEMENT



## Community Group Presentations

THRF are always looking for BHI researchers to present at community events. It is a wonderful opportunity for you to practice your public speaking skills, and present your work to a lay audience! If you are interested or would like some more information, please contact Tamara at THRF on 8244 1100 or [tpietraszuk@hospitalresearch.com.au](mailto:tpietraszuk@hospitalresearch.com.au)

## Pan Arcadian Club Lunch: Sunday 3 June



**Dr David Jesudason**, Clinical Head of the Endocrinology Unit at The Queen Elizabeth Hospital, and **Connie Stanton**, a dietician, spoke to a large gathering at the Pan Arcadian Club lunch on Sunday 3rd June. The photo to the right shows Con and Sally Fragos (on the right) with David and Connie, after presenting them with a cheque for \$3,000 for The Hospital Research Foundation.



## Tyndale Christian School: Thursday June 14

Since April when the group of year 11 biology students first visited the BHI, they all spent time back at Tyndale Christian School working on "real world projects" that had been proposed by **Dr Rosanna Tavella** (gender disparity in heart attack), **Dr Kati Richter** and **Catherine Bennett** (use of manuka honey and nanoparticles to treat biofilms) and **Dr Pallave Dasari** (breast density). On 14th June they returned to the BHI and each group of 3-5 students presented their findings to fellow students and BHI researchers. They all gave interesting presentations and made refreshingly frank and honest attempts at answering questions! More photos can be seen on the [BHI facebook page](#).





# COMMUNITY ENGAGEMENT CONTINUED

## Marion VIEW club: Wednesday 20 June



Members of the Marion VIEW (Voice Interests and Education of Women) Club visited the BHI in June, and listened to a presentation by **Dr Danielle Taylor** on 'Geographic Perspectives to promote Healthy Ageing' before being taken on guided tours of the BHI laboratories by **Kathryn Hudson**, **Dr Kevin Fenix** and PhD students **Joe Wrin** and **Lisa Mary Cherian**.



## Food Truck: Tuesday 26 June



As part of the fundraising efforts for The Longest Table, the CaroClub Food Truck visited the BHI on Tuesday 26 June. Tim & Kyle, from last season's My Kitchen Rules, are two of The Longest Table's Ambassadors for 2018 and are donating part of their proceeds from sales at the BHI, and other CALHN sites during June and July.



# GENERAL INFORMATION

## STATISTICIAN AT THE BHI

Dr Stuart Howell works at the BHI on Tuesdays. He is available and can be consulted by TQEH/ The University of Adelaide Faculty of Health & Medical Sciences staff and research higher degree students. Support is limited to 15 hours on a per project basis.



**Tuesdays**  
**BHI Level 1**  
**Room 1E.07**  
**Phone: 8222 6679**  
[stuart.howell@adelaide.edu.au](mailto:stuart.howell@adelaide.edu.au)

Dr Stuart Howell  
Senior Statistician  
Data, Design and Statistics Services  
Adelaide Health Technology Assessment (AHTA)  
School of Public Health  
The University of Adelaide

## BHI Management Committee

The following staff members have been confirmed for the BHI Management Committee: Level 2: Dr Lorraine Mackenzie, Therapeutics Research Centre, UniSA; Ms Irene Stafford, CVPT Group; Level 1: Dr Sarah Vreugde, ENT Surgery, BHI; Dr Chandra Kirana, Liver Metastasis Research Group; Dr Dan Wijesundara, Virology Group; Dr Clare Cooksley, ENT Surgery and Dr Kevin Fenix, Liver Metastasis Research Group. Kathryn Hudson will be the contact for any ground floor issues to be raised at Management Committee meetings.

## TQEH Librarians

Regular weekly visits by TQEH librarians to the BHI occur on **Wednesdays** (BHI Room 1-E07). A librarian from the SA Health Library Service, The Queen Elizabeth Hospital Campus will be available to assist you with constructing suitable literature and database searches for your research and help you obtain relevant material. AutoAlerts can also be configured by library staff to automatically deliver the latest results from a saved database search directly to your preferred email account.

If you are unable to meet with the librarians at the BHI on Wednesday mornings please contact [anna.holasek@sa.gov.au](mailto:anna.holasek@sa.gov.au) or [rachel.davey@sa.gov.au](mailto:rachel.davey@sa.gov.au) to arrange a meeting with them at TQEH Library on level 5B of the main building.

Alternatively, visit their website at [www.salus.sa.gov.au](http://www.salus.sa.gov.au) to view their services and resources or use the quick online chat option to contact them. To access any of the electronic resources you will need to register online for a SALUS username and password.

## Roy Sneddon: First Thursday of the Month

**Roy Sneddon**, from the Office of Research Development and Research Education in the Faculty of Health and Medical Sciences at The University of Adelaide spends a day at the BHI each month.

He attends postgraduate seminars, and is available to speak to postgraduate students about anything concerning their candidature. Contact Roy to arrange a time to catch up at the BHI.



8313 9996 or [roy.sneddon@adelaide.edu.au](mailto:roy.sneddon@adelaide.edu.au)



**The Institute**

basil hetzel institute for translational health research

**TQEH Research Secretariat Contact Details**  
Ground Floor, (DX465101)  
Basil Hetzel Institute for Translational Health Research  
The Queen Elizabeth Hospital  
28 Woodville Rd, WOODVILLE SOUTH 5011  
Phone: 08 8222 7836 Fax: 08 8222 7872  
Email: [gwenda.graves@sa.gov.au](mailto:gwenda.graves@sa.gov.au)

# GENERAL INFORMATION CONTINUED

## CALHN Human Research Ethics Committee Submission and Meeting Dates for Applications 2018

Final Submission Date	IDSC Meeting	CALHN HREC Meeting
Mon 22 January	Thursday 1 February	Thursday 8 February
Monday 12 February	Thursday 1 March	Thursday 8 March
Monday 12 March	Thursday 5 April	Thursday 12 April
Monday 16 April	Thursday 3 May	Thursday 10 May
Monday 14 May	Thursday 31 May	Thursday 7 June
Monday 11 June	Thursday 5 July	Thursday 12 July
Monday 16 July	Thursday 2 August	Thursday 9 August
Monday 13 August	Thursday 6 September	Thursday 13 September
Monday 24 September	Thursday 4 October	Thursday 11 October
Monday 15 October	Thursday 1 November	Thursday 8 November
Monday 12 November	Thursday 6 December	Thursday 13 December

Above are the meeting dates and final dates for submissions of applications for Scientific and Ethical approval. Any study which includes drug therapy is considered by the Investigational Drugs Subcommittee (IDSC) the week prior to the CALHN HREC. Drug studies will be passed on to the CALHN HREC meeting.

### CALHN HREC 2018

The Chairman of the CALHN HREC is Mr Ian Tindall. ALL HREC meetings will be held on Thursdays at Roma Mitchell House, Level 3, 136 North Terrace, Adelaide, and NOT at the BHI, TQEH.

### For more information please contact:

<b>Investigational Drugs Subcommittee (IDSC)</b> Mr Peter Siobodian or Dr Ada Lam Executive Officer, Specialist Pharmacist Phone: (08) 7074 1430 or (08) 7074 1150 <a href="mailto:peter.siobodian@sa.gov.au">peter.siobodian@sa.gov.au</a> <a href="mailto:ada.lam@sa.gov.au">ada.lam@sa.gov.au</a>	<b>CALHN Human Research Ethics Committee (HREC)</b> Ms Lisa Barrie CALHN HREC Level 3, Roma Mitchell House Phone: (08) 7117 2229 or (08) 8222 6841 <a href="mailto:lisa.barrie@sa.gov.au">lisa.barrie@sa.gov.au</a>
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## CALHN Animal Ethics Committee

As a result of the Centre for Cancer Biology relocating, these meetings will now occur as required. Please contact: Amy Brunato, Secretary SA Pathology/CALHN AEC Committee, for further information.

[SAPathologyAEC@sa.gov.au](mailto:SAPathologyAEC@sa.gov.au)

# WORK, HEALTH & SAFETY

## Centrifuge Safety: High-Speed Hazards

Centrifuges are important pieces of equipment. When used properly, they can perform well and for a long time. However, when abused, they become defective quickly and can create very real hazards. It is essential that all centrifuges be used, cared for, and maintained in a safe manner. Possible damage from a centrifuge accident can include damage to the unit, the laboratory, and other lab equipment, as well as chemical spills and fires and injury to lab personnel.

### To prevent centrifuge accidents:

- Familiarise yourself with the operating procedures written by the manufacturer of your centrifuge. Keep the manual near the unit for easy reference, and contact the manufacturer to replace a lost manual.
- Handle, load, clean and inspect rotors as recommended by the manufacturer.
- Always make sure that you have secured the lid to the rotor and the rotor to the centrifuge.
- Lids shall be closed at all times during operation. Never open a centrifuge until the rotor has stopped.
- Pay careful attention to the instructions for balancing your samples. Don't leave the centrifuge until full operating speed is attained and machine appears to be running safely without vibration.
- If vibration occurs, stop the centrifuge immediately and check load balances.
- Check the condition of tubes and bottles every time you use the centrifuge. Discard tubes that are cracked or worn.
- Use only the types of rotors that are specifically approved for use in a given centrifuge unit.
- Maintain the centrifuge in good condition. Broken door latches and other problems should always be repaired before any use of the centrifuge unit.





# UPCOMING EVENTS

## Volunteer for Science Alive! 2018



**All kinds of  
awesome.**

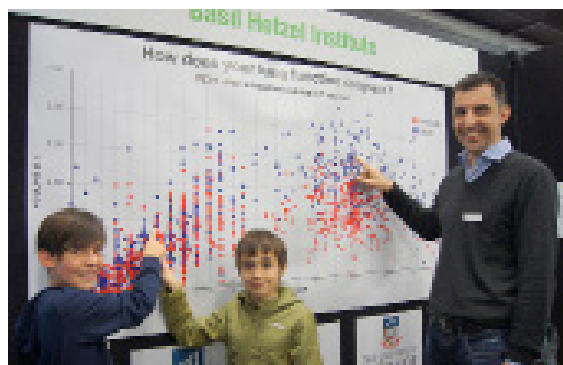
[Science Alive!](#) forms part of the celebrations for National Science Week each August, and is attended by an estimated 20,000 people over the 3 days. Science Alive! aims to celebrate science and technology in a fun, interactive, dynamic and educational way. It is held at the Adelaide Showgrounds in Wayville. This will be the 5th year that the BHI has participated. The BHI booth will have the same set-up as last year: two “laparoscopic box-trainers”, generously provided by the Royal Australasian College of Surgeons, that people can test their surgical skills on and some spirometers that allow people to measure one aspect of their lung function.

**Please consider volunteering 3 hours of your time helping out at the BHI booth.** It’s easy, it’s fun and no special knowledge or skills are required!

Please send an email to [rebecca.anderson@adelaide.edu.au](mailto:rebecca.anderson@adelaide.edu.au) if you would like to volunteer, indicating which day and time you would prefer (10-1pm, 12-3pm or 2-5pm). Thanks! Volunteers will receive FREE entry to the event (normal cost for adults is \$15 if purchased in advance, children are free).



*Volunteers at  
Science Alive! 2017*







**JULY 2018**

**BHI Research Seminars**  
with Invited External Speakers

[www.basilhetzelinstitute.com.au/events](http://www.basilhetzelinstitute.com.au/events)

**Seminars commence at 12pm on scheduled Wednesdays Ground Floor Seminar Rooms, Basil Hetzel Institute, TQEH 37a Woodville Road, Woodville South**

### Wednesday 4 July

**SPEAKER:** Dr Helen Barrie, University Research Fellow, Deputy Director of the Hugo Centre for Migration and Population Research, School of Social Sciences, University of Adelaide

**TITLE:** Are Older Australians 'Lifters or Leaners'

**CHAIR:** Danielle Taylor, THRF Mid-Career Fellow, Aged and Extended Care Services, TQEH, The University of Adelaide, Discipline of Medicine, Ground Floor, BHI, TQEH. [danielle.taylor@adelaide.edu.au](mailto:danielle.taylor@adelaide.edu.au)

### Wednesday 11 July

**SPEAKER:** Emily Aldridge, Clinical Researcher, Northern Cardiovascular Research Group, LMH

**TITLE:** Cardiac-Obstetric research in NALHN: a brief snapshot

**CHAIR:** Dr Rosanna Tavella, Clinical data Project Manager, The University of Adelaide, Discipline of Medicine, Level 2 BHI, TQEH. [rosanna.tavella@adelaide.edu.au](mailto:rosanna.tavella@adelaide.edu.au)

### Wednesday 18 July

**SPEAKER:** Dr Desmond Williams, Senior Lecturer, School of Pharmacy, UniSA

**TITLE:** Food, gastrointestinal pH and models of oral drug absorption

**CHAIR:** Dr Azadeh Alinaghi, Formulation Technologist, University of South Australia Therapeutics Research Centre, Level 2 BHI, TQEH. [azadeh.alinaghi@unisa.edu.au](mailto:azadeh.alinaghi@unisa.edu.au)

### Wednesday 25 July

**SPEAKER:** Professor Paul Thomas, Head of Developmental Genetics and SAGE, SAHMRI

**TITLE:** KEEP CALM and CRISPR: joining the genome editing revolution

**CHAIR:** Professor Andreas Evdokiou, Breast Cancer Research Unit, The University of Adelaide, Discipline of Surgery, Level 1 BHI, TQEH. [andreas.evdokiou@adelaide.edu.au](mailto:andreas.evdokiou@adelaide.edu.au)

#### **Please Note:**

All Honours and Postgraduate students are required to attend two thirds of BHI Research Seminar Program run between July and the end of October. Attending students are requested to sign the attendance sheet each session. University of Adelaide students attending this seminar gain 1hr CaRST (refer to UoA website).



# The Institute

basil hetzel institute for translational health research

**CALL FOR ABSTRACTS**

## TQEH Research Expo

**Thursday 18 & Friday 19 October 2018**

**Ground Floor, Basil Hetzel Institute, 37a Woodville Road, Woodville**



**2017 Award Winners**

**Abstract deadline: 5pm Monday 20 August 2018**

To submit an Abstract:

- visit <http://www.basilhetzelinstitute.com.au> & read Abstract Guidelines
- visit <https://tinyurl.com/y98awhzi>
- complete and submit hard-copy of Abstract Certification form

**Enquiries to:** Lisa Leopardi

Chair, Research Day  
Organising Committee

(08) 8222 6759

[lisa.leopardi@sa.gov.au](mailto:lisa.leopardi@sa.gov.au)

[www.basilhetzelinstitute.com.au](http://www.basilhetzelinstitute.com.au)

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University of  
South Australia

**TQEH Research Expo incorporates TQEH Research Day**

# Healthy Development Adelaide

*A Research and Innovation Cluster in South Australia*

## HDA Career Development Forum

### How to secure an early career researcher (ECR) fellowship?

**Wednesday 4 July 2018**

**5.30 - 7.30pm**

{doors open from 5.00pm, networking with light refreshments from 7.00pm}

**Rumours (6th floor), Union House  
University of Adelaide (North Terrace campus)**

All Welcome - FREE admission

**RSVPs required for seating and catering  
by Thursday 28 June to  
[anne.jurisevic@adelaide.edu.au](mailto:anne.jurisevic@adelaide.edu.au)**

#### SPEAKERS

**Dr Cadence Haynes**

**The process and experience of applying for fellowships as an ECR**  
Manager: Research Grants, Research Services, University of Adelaide

**Professor Damien Keating**

**Submitting a stand out ECR fellowship application**

NHMRC Career Development Fellow, Head: Molecular & Cellular Physiology Lab, Centre for Neuroscience, Flinders University

**A/Professor Kristin Carson-Chahhoud**

**Designing successful research projects that stand-out from the crowd**  
NHMRC ECR Fellow, School of Health Sciences, UniSA

**A/Professor Wendy Ingman**

**How to make the cut? From the panellists perspective**

The Hospital Research Foundation A/Professor of Breast Cancer Research, Robinson Research Institute, University of Adelaide

#### CHAIR

**A/Professor Beverly Muhlhausler**

Head: Food and Nutrition Research Group / NHMRC Career Development Award Fellow, School of Agriculture Food and Wine, University of Adelaide





The SA/NT branch of ASI cordially invites  
all students and scientists working in the  
field of Immunology and closely related  
fields to attend the 2018

# Adelaide Immunology Retreat

10-11TH AUGUST 2018  
MCCRACKEN COUNTRY CLUB



SOCIAL ACTIVITIES  
GOLF • WINE TASTING • WHALE  
WATCHING • PENGUIN TOUR • QUIZ!

ALL STUDENT DELEGATES AND ECRs ARE  
ENCOURAGED TO PRESENT ASPECTS OF THEIR  
WORK (10 MIN TALK)

ASI MEMBERS ELIGIBLE FOR BEST  
PRESENTATION AWARDS

PRIZES WILL BE AWARDED FOR THE BEST  
PRESENTATIONS IN EACH CATEGORY (PHD, HONS  
ETC.). TOP PHD PRIZE IS TRAVEL AND  
REGISTRATION TO ASI 2018 IN PERTH!

## INVITED SPEAKERS

A/Prof. Scott Mueller Doherty Institute, University of Melbourne	Dr Gabriela Minigo Menzies School of Health Research, Darwin
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AND AN INTRODUCTION TO TRUSEQ TECHNOLOGY

BY  

## REGISTRATION & ABSTRACT SUBMISSION DEADLINE 13TH JULY

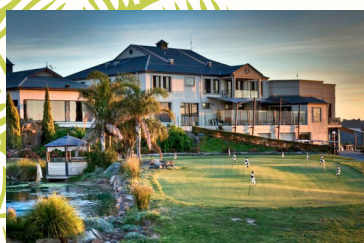
TO REGISTER AND SUBMIT ABSTRACTS  
[HTTP://WWW.IMMUNOLOGY.ORG.AU/2018-AIR/](http://www.immunology.org.au/2018-AIR/)

REGO INCLUDES SHARED ACCOMMODATION,  
MEALS, ACTIVITIES & SCIENTIFIC SESSIONS

\$50 • STUDENT ASI MEMBERS  
\$70 • OTHER ASI MEMBERS.  
\$100 • NON MEMBER STUDENTS  
\$150 • NON-MEMBER NON-STUDENT

INTERIM MEMBERSHIP FOR 2018 WILL BE  
ACCEPTED FOR DISCOUNTED REGO FOR NEW  
ASI MEMBERS. FOR MORE INFO  
EMAIL: [IAIN.COMERFORD@ADELAIDE.EDU.AU](mailto:IAIN.COMERFORD@ADELAIDE.EDU.AU)

## MAJOR SPONSOR





## Tall Tales of Science

### Thursday 16 August 2018

A joint function hosted by the “Superstars of STEM” and “Science in the Pub Adelaide”, as part of National Science Week celebrations, is planned for **Thursday 16 August**.

They will present a night of fun, laughter and sharing of weird and wonderful science stories. The audience will have the opportunity to listen to six scientists who will share a weird or wonderful story about their profession, but not all the stories are true!

The audience has to decide which of the three out of the six are complete fiction. This will be a light hearted event but through the memorable stories, the audience will learn what it is like to be a scientist and that it's not all white coats and pipettes.



### Perform Your Science

Scott Theatre, The University of Adelaide  
7pm, 18 August 2018

The link is: <https://www.eventbrite.com/e/perform-your-science-tickets-47605326814>

Perform your Science is part of **National Science Week 2018** and is brought to you by Inspiring South Australia.

Scientists are taking a brave step into the spotlight of the stage for **Perform your Science**, a show that will see scientists tell their research stories through the arts. Behold wondrous stories of science as told through magic, interpretive dance, poetry and more.

Perform your Science will feature researchers and PhD students who have collaborated with artists to develop their extraordinary performances. Expect the story of wasps unfold through magic and explore the world of neuroscience through dance.

The performances will be judged by a panel of esteemed artists and science communicators. The audience will also get their say and can vote for the People's Choice Award. The best performances of the night will take home a prize.

Drinks and refreshments will be available for purchase before the performance and during the interval.

# PUBLICATIONS

If you wish to have a recent publication included, please send details to the BHI Communications Officer  
[rebecca.anderson@adelaide.edu.au](mailto:rebecca.anderson@adelaide.edu.au)

Adelson P, Fusco K, Karapetis C, Wattchow D, Joshi R, Price T, Sharplin G, Roder D. Use of guideline-recommended adjuvant therapies and survival outcomes for people with colorectal cancer at tertiary referral hospitals in South Australia. *Journal of Evaluation in Clinical Practice*. 24(1):135-144, 2018.

Chen E, Sluggett J, Ilomaki J, Hilmer S, Corlis M, Picton L, Dean L, Alderman C, Farinola N, Gailer J, Grigson J, Kellie A, Putsey P, Yu S, Bell J. Development and validation of the Medication Regimen Simplification Guide for Residential Aged CarE (MRS GRACE). *Clinical Interventions In Aging*. 13:975-986, 2018.

Davis S, Babidge W, Kiermeier A, Aitken R, Maddern G. Perioperative mortality following bariatric surgery in Australia. *Obesity Surgery*. 28(5):1329-1334, 2018 May doi.org/10.1007/s11695-017-3010-1.

Eldredge T, Myers J, Kiroff G, Shenfine J. Response to a Letter to the Editor Re: Detecting bile reflux-the enigma of bariatric surgery. *Obesity Surgery*. (pp 1), 2018 May doi.org/10.1007/s11695-018-3277-x.

Jadczak A, Tam K, Visvanathan R. Educating medical students in counselling older adults about exercise: The impact of a physical activity module. *The Journal of Frailty & Aging*. 7(2):113-119, 2018.

Morley K, Baillie A, Fraser I, Furneaux-Bate A, Dore G, Roberts M, Abdalla A, Phung N, Haber P. Baclofen in the treatment of alcohol dependence with or without liver disease: Multisite, randomised, double-blind, placebo-controlled trial. *British Journal of Psychiatry*. 212(6):362-369, 2018 Jun.

Ooi M, Richter K, Drilling A, Thomas N, Prestidge C, James C, Moratti S, Vreugde S, Psaltis A, Wormald P-J. Safety and efficacy of topical Chitogel-Deferiprone-Gallium Protoporphyrin in sheep model. *Frontiers in Microbiology*. 9 Article Number: 917, 2018 May doi: 10.3389/fmicb.2018.00917.

Pollock J, van Agteren J, Chong A, Carson-Chahhoud K, Smith B. Evaluation of existing experimental evidence for treatment of depression in indigenous populations: A systematic review. *Australian Journal of Psychology*. Pp. 1-13, 2018 doi: 10.1111/ajpy.12204.

Sinnollareddy M, Roberts M, Lipman J, Peake S, Roberts J. Pharmacokinetics of piperacillin in critically ill patients with acute kidney injury receiving sustained low-efficiency dialysis. *Journal of Antimicrobial Chemotherapy*. 73(6):1647-1650, 2018 Jun.

Speck P, Wormald P-J. Is phage therapy suitable for treating chronic sinusitis *Staphylococcus aureus* infection? (Editorial) *Future Microbiology*. 2018 May doi.org/10.2217/fmb-2017-0264.

Ghadri J, Wittstein I, Prasad A, et al. ; International Experts: Bax J, Bossone E, Cammann V, ... Horowitz JD. International Expert Consensus Document on Takotsubo Syndrome (Part I): Clinical Characteristics, Diagnostic Criteria, and Pathophysiology. *European Heart Journal*. 39, 2032-2046, 2018 May. doi:10.1093/eurheartj/ehy076.

Ghadri J, Wittstein I, Prasad A, et al.; International Experts: Bax J, Bossone E, Cammann V, ... Horowitz JD. International Expert Consensus Document on Takotsubo Syndrome (Part II): Diagnostic Workup, Outcome, and Management. *European Heart Journal*. 39, 2047-2062, 2018 May. doi:10.1093/eurheartj/ehy077.

Gyawali P, Martin S, Heilbronn L, Vincent A, Taylor A, Adams R, O'Loughlin P, Wittert G. The role of sex hormone-binding globulin (SHBG), testosterone, and other sex steroids, on the development of type 2 diabetes in a cohort of community-dwelling middle-aged to elderly men. *Acta Diabetologica*. Pp.1-12, 2018 May.

Korhonen M, Ilomaki J, Sluggett J, Brookhart M, Visvanathan R, Cooper T, Robson L, Bell JS. Selective prescribing of statins and the risk of mortality, hospitalizations, and falls in aged care services. *Journal of Clinical Lipidology*. 12(3):652-661, 2018 May - June.



# PUBLICATIONS CONTINUED

If you wish to have a recent publication included, please send details to the BHI Communications Officer  
[rebecca.anderson@adelaide.edu.au](mailto:rebecca.anderson@adelaide.edu.au)

Licari G, Milne R, Somogyi A, Sallustio B. Enantioselectivity in the tissue distribution of perhexiline contributes to different effects on hepatic histology and peripheral neural function in rats. *Pharmacology Research & Perspectives*. 6(3):e00406, 2018 June.

McDonald C, Kozman M, Tonkin D, Eteuati J, Karatassas A. Training for robotics in general surgery: is it where it should be? *ANZ Journal of Surgery*. 88(6):530-531, 2018 June.

Rao Kadam V, Howell S. Unrestricted and Restricted Access to Sugammadex and Side Effect Profile in a Teaching Hospital Centre for Year 2014- Database Audit Study. *Anesthesiology & Pain Medicine*. 8(1):e63066, 2018 Feb.

Scarfe A, Duncan J, Ma N, Cameron A, Rankin D, Karatassas A, Fletcher D, Watters D, Maddern G. Day case hernia repair: weak evidence or practice gap? *ANZ Journal of Surgery*. 88(6):547-553, 2018 June.

Teh RC, Visvanathan R, Ranasinghe D, Wilson A. Evaluation and refinement of a handheld health information technology tool to support the timely update of bedside visual cues to prevent falls in hospitals. *International Journal of Evidence-Based Healthcare*. 16(2):90-100, 2018 June.

Bampton T, Tibrewal P, Kulkarni S. Clozapine and Azathioprine co-prescription: Is it safe? *Asian Journal of Psychiatry*. 36:31-32, 2018 Aug.

Lawton K, Royals K, Carson-Chahhoud K, Campbell F, Smith B. Nurse-led versus doctor-led care for bronchiectasis. *Cochrane Database of Systematic Reviews* 2018, Issue 6. Art. No.: CD004359. DOI: 10.1002/14651858.CD004359.pub2.

Leyden J, Pavlakakis N, Chan D, Michael M, Clarke S, Khasraw M, Price T. Patient-reported experience of the impact and burden of neuroendocrine tumors: Oceania patient results from a large global survey. *Asia-Pacific Journal of Clinical Oncology*. 14(3):256-263, 2018 June.

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## Snap and win a \$100 Haigh's Chocolate Hamper

The Longest Table (TLT) has taken over the back of Adelaide buses, roaming the streets from now until July 15.

To celebrate, we're giving you the chance to win a delicious Haigh's Chocolates Hamper worth \$100. Simply **register as a host, snap a pic** of the TLT bus and then share on social media with the hashtag **#forkcancer** – it's that easy!

All entries must be received before midnight July 15th, 2018.

One (1) winner will be announced on TLT Facebook and Instagram on Wednesday 18th July 2018. The winner must be able to collect their prize from our head office during business hours located at 60 Woodville Road, just down from the BHI. The prize will be held for up to four (4) weeks after the winner is announced.

Good luck!



## Gear up for our 2019 Mercer SuperCycle



THRF are thrilled to announce Early Bird registrations are now open for Mercer SuperCycle 2019 which will take place on 30 March to 5 April 2019!

It was another successful year for Mercer SuperCycle in 2018, with riders and support crew completing a new route, riding from Melbourne to Adelaide for the first time, raising over \$345,000 towards THRF's Under Our Roof project.

"Challenging", "Amazing", "Unique" and "Rewarding" are just a few of the ways SuperCyclists have described the Mercer SuperCycle adventure. When you sign up for Mercer SuperCycle you're signing up for a truly memorable experience!

The 2019 route will take you from Adelaide > Wirrina > Murray Bridge > Tanunda > Burra > Wallaroo > Clare > Adelaide.  
[Register today](#) to take advantage of the early bird discount offer before it ends on 1 August! Be quick as spots are strictly limited!