



The Institute

basil hetzel institute for translational health research

MONTHLY BULLETIN FOR TQEH RESEARCH COMMUNITY

WINNING NEWS

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NHMRC Early Career Fellowships awarded to three BHI researchers

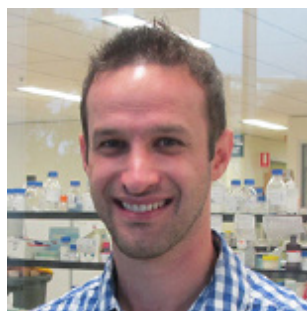
Congratulations go to **Dr Vasilios (Bill) Panagopoulos**, Breast Cancer Research Unit, **Dr Cher-Rin Chong**, Cardiovascular Pathophysiology and Therapeutics Group, for being awarded NHMRC Peter Doherty Early Career Fellowships (ECF), and to **Dr Katharina Richter**, ENT Surgery, for receiving an NHMRC CJ Martin Early Career Fellowship. Each of these researchers has provided a summary of the research they plan to undertake as part of their fellowship.

Dr Vasilios (Bill) Panagopoulos

Peter Doherty Biomedical ECF (# 1160000)

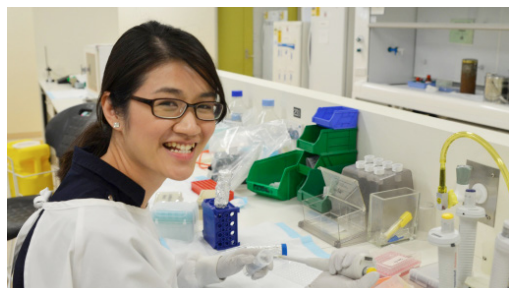
2019-2022 \$327,192

“Stromal cell-derived factor Gremlin 1 promotes tumour growth and metastasis of breast cancer”



Although we have made significant improvements in the detection and treatment of localized breast cancer with women surviving longer than ever before, patients with metastatic disease have a far worse prognosis. Metastasis is the leading cause of death in breast cancer patients with a 5-year survival of less than 30% and is currently without a cure. Breast cancer cells rely on features of the tumour microenvironment to grow and spread to distant sites. A heightened level of the protein Gremlin 1 is found within the microenvironment of many cancers and is associated with increased tumour growth and blood vessel density. My study will aim to identify the role of Gremlin 1 in promoting breast cancer growth and metastatic spread into bone and identify a potential new therapeutic strategy for the urgent treatment of metastatic breast cancer.

This 4 year project will be conducted in Prof Andrew Zannettino's research laboratory of the Cancer Theme within SAHMRI at the Adelaide BioMed City precinct. I will however, still have a presence at the BHI from 2019 and continue to be involved with research in the Breast Cancer Research Unit.



Dr Cher-Rin Chong

Peter Doherty Biomedical ECF (# 1162356)

2019-2022 \$327,192

“Novel strategy to prevent cardiovascular complications in diabetes: the role of poly(ADP-ribose) polymerase-1 inhibition”

The diabetic heart is characterized by inflammation and low energy status, resulting in heart failure, impaired vessel function and blood clot formation. Previous studies found

SEPTEMBER 2018

ISSUE 115

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BHI SEMINARS

Tuesdays 1pm

Staff Seminars

Wednesdays 12pm

Invited External Speaker Seminars

Thursdays 1pm

Postgraduate Student Seminars

UPCOMING EVENTS

University of Adelaide 3MT Final

Tuesday 11 September

BHI Talking Heads Seminar

Tuesday 18 September

TQEH Staff Ball

Friday 12 October

TQEH Research Expo

Thursday 18 & Friday 19 October

BHI HUB

From the BHI Facility Manager Kathryn Hudson

BHI Ground Floor
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kathryn.hudson@sa.gov.au



Over the past four months I summarised some points from The SA Health Respectful Behaviour Policy on team work, staff engagement, constructive feedback and indicators of respectful behaviour. This month, the focus is on conflict resolution skills.

Silence is not always golden...

...sometimes we really need to speak up, even if it will be a challenging conversation for us.

Using conflict resolution skills to build, maintain and restore respect

Much of the disrespect we find in the workplace can be addressed through early intervention using a range of skills (detailed below) when the issue arises. These attitudes will help establish a resilient, respectful culture, with the capacity to manage and benefit from difficult conversations or issues. You are likely to select from the list of skills depending on the issue, the stakeholders, your level of engagement, the actual point within the process you find yourself and the overall timeframe involved.

A win/win approach

Attempt to understand the needs of all parties and identify what is a fair outcome for all. People tend to relax when they hear a genuine 'I want things to work out for me and I also want things to work out well for you'.

Empathy

Use active listening to build partnerships, rapport and an understanding of the issue, 'What is their story?'. Empathy also helps to manage the emotion within the situation constructively.

A creative response mind-set

Move away from a judgemental approach (linked with right or wrong, blame and resentment) and adopt a discovery approach. Transforming problems into opportunities to learn and discover. This increases options, productivity and wellbeing. Having winners and losers creates threat and competition

Appropriate assertiveness

Attack the problem not the person. Assertive communication aims to share 'my story', while avoiding blame, shame or demand from others.

continued on page 18

From the BHI Communications Officer Rebecca Anderson

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rebecca.anderson@adelaide.edu.au
Work days: 9-3pm Tuesday - Thursday



Kathryn and I would like to thank all the TQEH surgeons and BHI researchers who volunteered at Science Alive! 2018 - see the Community Engagement section on p14 to see a few photos from this event. More can be found on the [BHI website](#) and [BHI Facebook page](#).

The final BHI seminars for 2018 take place during September in the lead up to TQEH Research Expo on the 18 & 19th October. This includes the final BHI Talking Heads seminar on Tuesday 18 September. Be sure to show your support!

NEWS

NHMRC Early Career Fellowships (continued)

that such processes involve the uncontrolled over-activation of an enzyme called PARP-1, usually responsible for repairing damaged DNA. This project will seek to better understand the extent to which PARP-1 is activated, and the impact of its inhibition on vascular, platelet and cardiac metabolism in diabetes.

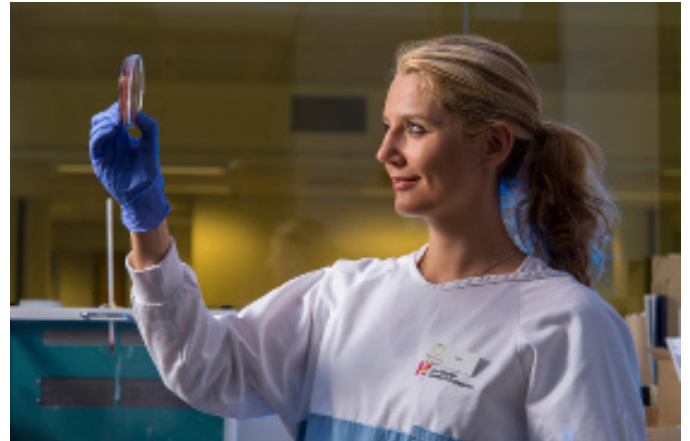
Dr Katharina Richter

NHMRC CJ Martin Biomedical ECF (# 1163634)

2019-2022 \$417,192

“Maximising the effectiveness of antimicrobial treatments for infection control after surgery”

Superbugs, or antibiotic-resistant bacteria, cause recurring infections after surgery and non-healing wounds as existing antibiotics fail to effectively kill them. In this Fellowship, I will validate novel approaches to fight superbugs, e.g. by feeding bacteria poisonous food, exposing them to toxic water or smashing their defence system. This could re-sensitise resistant bacteria and boost antibiotic activity as a double-whammy against superbugs. My goal is to advance these novel treatments to clinical applications for effective infection control after ENT and orthopaedic surgery.



Kati will spend the overseas component of her fellowship under the supervision of Professor Tom Coenye, in Ghent University, Belgium.

NHMRC Development Grant for Prof PJ Wormald

In addition to the three early career fellowships announced in the latest NHMRC funding round, **Professor PJ Wormald**, Research Leader of the ENT Surgery group at the BHI, TQEH, was awarded an NHMRC Development Grant. Full details of this round of NHMRC funding can be found on the [NHMRC website](https://www.nhmrc.gov.au).



Professor PJ Wormald (CIA), Associate Professor Sarah Vreugde (CIB)

NHMRC Development Grant (# 1153663)

2019-2021 \$522,606.70

“A novel medicated surgical hydrogel to prevent epidural adhesions post-laminectomy”

In a collaborative team effort between the ENT department at The University of Adelaide and centres of excellence in New Zealand, we have developed “Chitodex” surgical gel, which uses a polymer derived from squid. The gel possesses both anti-bleeding and anti-scarring properties which will be further strengthened by incorporating compounds with potent wound-healing properties. The new product will be used around the world to reduce complications after spine surgery.

The prevalence of herniated disc associated with back pain and/or radicular leg pain is 1-3% in western societies requiring spine surgery (laminectomy with decompression of neural elements) in 10% of patients. Post-operative adhesions are a major cause of morbidity and a well-known complication following spinal surgery. Overlying paraspinal muscles and fascia can become adherent to neural structures with pain, decreased mobility and consequently slower return to activities of daily living. Several topical treatments and hydrogels have

NHMRC Development Grant (continued)

been developed, however, these products have shown no efficacy in preventing post-operative adhesion formation and no FDA approved products are available to date. Hence there exists an unmet clinical and therefore market demand for a product that reduces post-operative adhesions and improves clinical outcomes after spinal surgery.

This project will test the *in vivo* safety and efficacy to prevent adhesions post spinal surgery of a novel patent-protected formulation composed of a medicated surgical hydrogel (Def-Chitogel). Chitogel has been shown to be efficacious in both reducing bleeding and reducing adhesion formation in sinus surgery and has recently been FDA approved for use

after sinus surgery. The proposed project aims to maximise the wound-healing effects of Chitogel by incorporating a compound (Deferiprone), FDA approved for use in iron-overload pathologies such as Thalassemia. Deferiprone has shown potent anti-adhesive and anti-inflammatory properties *in vitro* and *in vivo*. This project will evaluate the safety and efficacy to reduce epidural adhesions following spine surgery in a large animal model and a clinical pilot study. Successful completion of these projects will nurture commercial interest already expressed by potential business partners and enhance its appeal to other competitors on the market for use in neurosurgical applications.

Dr Sam Whittle awarded a Practitioner Fellowship



Dr Sam Whittle

ANZMUSC CRE, with leverage funding from The Hospital Research Foundation
July 2018-July 2021 \$398,520 plus \$150,000 THRF

I will be undertaking a 3-year, part-time Practitioner Fellowship as part of the Australia & New Zealand Musculoskeletal Trials Network (ANZMUSC) NHMRC Centre of Research Excellence, which is partly funded by the Hospital Research Foundation.

ANZMUSC was established in 2014 with the vision of optimising musculoskeletal health through high quality, collaborative clinical research. One of the missions of ANZMUSC is to improve the scientific quality of musculoskeletal research and its translation into policy and practice. It is increasingly recognised that there is a gap between the large volume of health care research that is being produced and the uptake of the research findings into medical practice. In order to help patients and their doctors to make treatment decisions that are based on the best evidence, systematic reviews of all available evidence are produced, which can be used to develop treatment guidelines. Currently, however, the process for developing systematic reviews and guidelines is unstructured, labour-intensive and often very slow, leading to delays in translating research into action.

One approach to tackle this problem is the development of 'living' systematic reviews and guidelines. This is a novel approach that uses innovative techniques such as machine learning and crowdsourcing to rapidly incorporate new research findings into existing systematic reviews and translate these findings into guidelines that patients and doctors can rely on at the point of care because they incorporate all of the available evidence. I will be working with ANZMUSC, Cochrane and Therapeutic Guidelines to perform pilot living systematic reviews in areas of musculoskeletal medicine where there is a rapidly-evolving evidence base (for example, platelet-rich plasma and stem cell injections for knee osteoarthritis) and develop methods for incorporating these into living guidelines.

Dr Sam Whittle
Staff Consultant
Rheumatologist, TQEH
Rheumatology
Research Group

Three ENT Surgery researchers win Awards



On Thursday 9 August **Dr Mian Li Ooi**, PhD student in ENT Surgery, received the IMPACT7 2018 People's Choice Award in Melbourne, Victoria. [IMPACT7](#) is an annual event that brings together researchers from across Australia to present solutions to some of the world's most pressing challenges.

Mian writes "We also had a pitch camp a day prior where we had feedback and inputs from the CSIRO team and facilitators from their accelerator ON program to help us with our 3 minute pitches which was great! Both the event and the pitch camp were held at the Carson Conference Centre in Melbourne."

Then on Friday 10 August **Dr Katharina Richter**, Postdoctoral Researcher in ENT Surgery, received an award for PhD Research Excellence at the SA Science Excellence Awards. This award, sponsored by the University of Adelaide, recognises recent PhD graduates with outstanding early-career achievement in their field and strong potential to contribute to industry or enterprises in the state. Watch a video of Kati on the [2018 Winners website](#).



And finally, **Dr Sathish Paramasivan**, PhD student in ENT Surgery, received the first prize for PhD students at the Adelaide Immunology Retreat that was held on the 10-11th August in Victor Harbour. He will travel to Perth to present his research at the national conference in December this year.

The Aged and Extended Care Team hosted International Observer Dr Steve Paul Manjaly

Dr Steve Paul Manjaly (MBBS. DNB Medicine, DGM Geriatric Medicine; *centre of photo with TQEH Aged and Extended Care Team*) from Kerala, India visited Adelaide recently to observe the Aged and Extended Care teams in order to understand ways to improve systems of care for older patients. Here he discusses his experiences: "The complexity of managing elderly patients dawned on me when I completed my training in Geriatrics, after my Masters in Medicine. Geriatrics in India is still in its infancy so developing it has been notoriously challenging. Therefore, I needed to study the practices of a better-established system. Facilitated by Dr Shibu and under the guidance of Prof Renuka and her team, I seized the opportunity to observe the Aged Care and Extended Services at TQEH. They have pioneered training and research in Geriatric Medicine across the globe and have an excellent system for managing elder care, through its subacute ward, orthogeriatric unit and the GEM liaison team. The liaison team and their nurses do a fantastic job of meticulously selecting patients who would benefit most from this service. I hope to revolutionize elder care at my institute by implementing these models to prevent functional decline and frailty."



The Science of Healthy Ageing event in Adelaide



L-R: Dr Agathe Jadczyk, Mark Thompson, Rosa Colanero, Dr Danielle Taylor, Professor John Morley, Professor Renuka Visvanathan, Leonie Baker, Nina Wiltshire

The Centre of Research Excellence (CRE) in Frailty and Healthy Ageing and the Adelaide Geriatrics Training & Research with Aged Care (GTRAC) Centre, University of Adelaide held a public event on Wednesday 1 August to showcase their research.

The event took place at the Adelaide Pavilion and was designed to showcase the latest healthy ageing research being undertaken in Adelaide and across Australia by leading researchers and higher degree students of the CRE Frailty & Healthy Ageing, GTRAC and their collaborating partners. Rosa Colanero, the Chief Executive of Multicultural Aged Care South Australia (MACSA), was the host for the event and her enthusiasm and passion made the event thoroughly engaging.

The morning session of the event included seminars from researchers on a wide range of topics. Dr Mandy Archibald discussed her work using consumer perspectives on frailty and ageing to shape future research and knowledge translation. Dr Joanne Dollard presented information on the early stages of a clinical trial she is undertaking using technology to prevent falls in hospitalized older people. Dr Kareeann Khaw discussed haemoglobin levels and outcomes following hip fracture surgery. Dr Anupam Datta Gupta explained the effects of exercise on the brain and healthy ageing. Dr Agathe Jadczyk discussed the outcomes of her project on educating medical students on how to advise older patients on exercise.

Professor John Morley was the keynote speaker for the event. Professor Morley is a renowned geriatrician from

St Louis University (SLU), Missouri, USA and author who presented an interactive and entertaining discussion on 'The Science of Staying Young'. Prof Morley leads the International Consensus Committee on Frailty and is Divisional Director of Geriatrics at SLU, which has functioned as a major Geriatrics Center over the last 25 years.

Professor Morley also took part in the panel discussion with Dr Helen Barrie and Mr Mark Thompson on 'The Science of Healthy Ageing'. Dr Barrie is a demographer, gerontologist and Research Fellow whose research examines population trends with a focus on older populations, ageing-in-place and the nexus between living independently, the built environment and access to services and community. Mr Thompson is a PhD Candidate and an occupational therapist with extensive experience in ageing rehabilitation and a research focus on the epidemiology of frailty. The expert panel answered many diverse and thought provoking questions from the audience.

In the afternoon there were table top discussions with researchers from a variety of areas sitting at each table describing their research and answering questions and queries from the guests. These sessions also gave the researchers valuable feedback on areas and topics that consumers see as research priorities.

This is the second research showcase event held by the team and the larger attendance at this year's event demonstrates an increasing public interest in research to improve the health and lives of our ageing population.

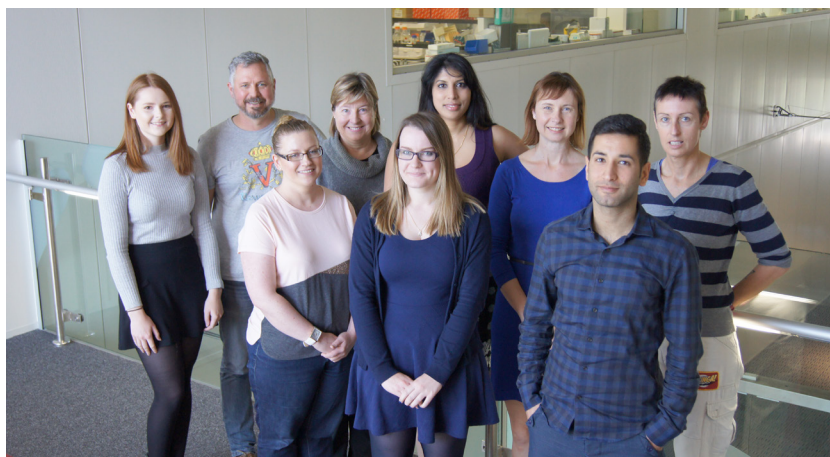
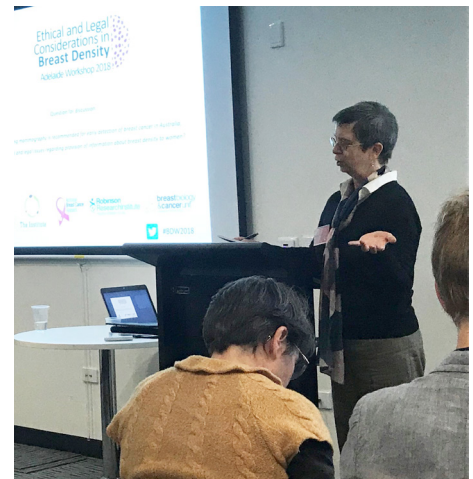
Workshop hosted by Breast Biology and Cancer Unit



Ethical and Legal Considerations in Breast Density Adelaide Workshop 2018

A workshop on “Ethical and legal considerations in breast density” was hosted by Associate Professor Wendy Ingman and her Breast Biology and Cancer Unit at the BHI on Thursday 23rd August. The event, attended by 50 people, was supported by Australian Breast Cancer Research.

Experts in breast density, breast cancer screening, health ethics and the law presented to guests during the workshop. Together with patients and clinicians they identified and explored ethical and legal issues associated with breast density notification. A report from this workshop will be published and made available to the general public and sent to the Australian Government Department of Health. More information can be found on the [INFORMD website](http://www.informd.com.au).



Clockwise from top: Maddison Archer & Amita Ghadge; Prof Wendy Rogers; A/Prof Bernadette Richards; members of the Breast Biology and Cancer Unit; Michael Shephard.

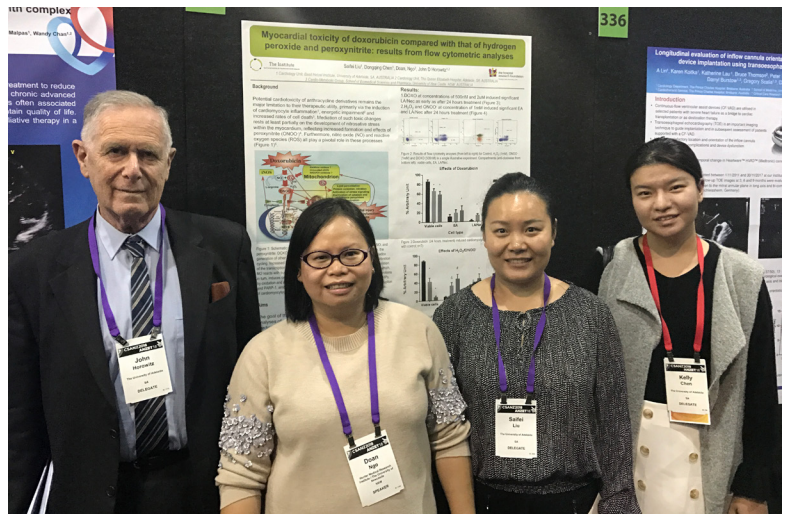
THRF Travel Award Report: Dr Saifei Liu

Dr Saifei Liu, Postdoctoral Researcher, Cardiovascular Pathophysiology and Therapeutics Group, The University of Adelaide and BHI, TQEH

Attended the 66th Cardiac Society of Australia and New Zealand (CSANZ) Annual Scientific Meeting

Brisbane, Australia
2nd-5th August 2018

L-R: Professor John Horowitz, Dr Doan Ngo, Dr Saifei Liu and Kelly Chen



I am grateful to The Hospital Research Foundation for awarding me a national travel award. In early August I attended the 66th Cardiac Society of Australia and New Zealand (CSANZ) Annual Scientific Meeting in Brisbane. This is the most important national conference for cardiologists and cardiovascular researchers in Australia. Our Honours student Ms Dongqing (Kelly) Chen also attended to present results of her experiments. Although our abstracts were assigned as poster presentations, our studies attracted a number of important discussions from the audience. Attendance at CSANZ annual scientific meeting has given me the opportunity to chat with other investigators working on the mechanisms of myocardial damage, not only by the agents which I have used. It also enabled me to obtain a more extensive understanding of the major issues currently confronting cardiologists as regards myocardial protection, for example in the setting of hypoxia and of various forms of oxidative stress.

The CSANZ annual scientific meeting was also a great opportunity for networking and initiation of collaborative work with researchers from other institutes. It is also a great opportunity to get to know other people's research directions and new finding in cardiovascular research and guidelines in managing cardiovascular diseases.

For the past 12 months I have been primarily concerned with developing a human myocardial cell model of varying stages of cell damage and death, in order to study mechanisms of myocardial loss induced by drugs and/or by oxidative/nitrosative stress. Experiments have been performed in human myocardial cells in culture, and stress has been induced by hydrogen peroxide, peroxynitrite, the anthracycline doxorubicin. The results (which were presented in this meeting) have been elegant, confirming the wide-ranging consequences of these agents in inducing cell damage. The next step of my study will be evaluating the anti-necrotic effects of a few agents developed by our collaborative group in Israel. Hopefully these agents will be translated to clinical application in the future.

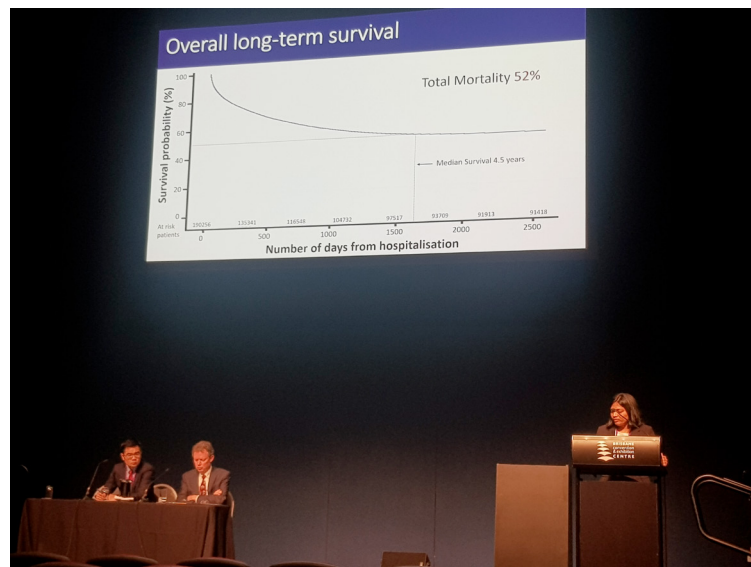
It was great pleasure to meet a number of invited speakers from all over the world, such as Professor David Kass from Johns Hopkins University, whose work is highly translational and focuses on mechanisms of heart muscle disease, heart failure, and developing new treatments. He pioneered the clinical and basic science of cardiac resynchronization, and understanding of role of cGMP-phosphodiesterases in the heart, ventricular-arterial interaction and right heart disease with pulmonary hypertension, and is currently advancing new therapeutics with implications to immunology/ oncology.

THRF Travel Award Report: Dr Saranya Hariharaputhiran

Dr Saranya Hariharaputhiran, Research Officer, Health Performance and Policy Research Unit, The University of Adelaide and BHI, TQEH

Attended the 66th Cardiac Society of Australia and New Zealand (CSANZ) Annual Scientific Meeting

Brisbane, Australia
2nd-5th August 2018



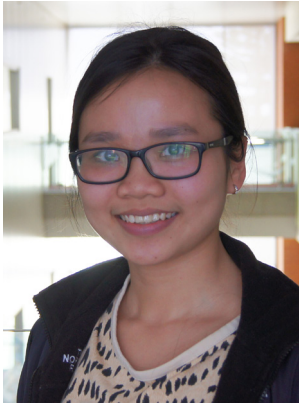
Saranya presenting her research as a finalist in the Heart Failure Prize

I travelled to Brisbane, Queensland on 2nd August to attend the 66th Annual Scientific Meeting of the Cardiac Society of Australia and New Zealand. It is the most prestigious cardiovascular research meeting in Australia and attracts both national and international researchers. I had an opportunity to present the results of my research work where I was privileged to have been selected as a finalist for the Heart Failure prize. My abstract was titled 'Long-term Mortality Following Hospitalisation for Heart Failure in Australia and New Zealand: A Population-wide Study' and the results of this study showed long-term prognosis in HF patients remains poor with majority of the population from elderly age with multimorbidity.

I was also able to meet and network with leading researchers from Australia and New Zealand during the

meeting sessions and I had opportunities to discuss and share ideas about how to widen the potential of my research. I learned about new and innovative advancements in cardiac research. Especially, sessions on data and innovation (clinical) and multidisciplinary approach to new heart failure guidelines gave me better understanding of administrative data and current clinical practise. I am intending to meet those researchers in future meetings and exchange the outcomes and further new ideas. Overall, this travel helped me interact personally with researchers around Australia and New Zealand which could in future develop into potential collaborations. I would like to thank the Basil Hetzel Institute and The Hospital Research Foundation for awarding the travel grant and giving me the opportunity to attend the meeting.

Welcome to new BHI staff and students

**Trang Dang**

Research Officer, Health Performance and Policy Research Unit
The University of Adelaide and BHI, TQEH

Trang is a health economist who is doing her Masters of health economics and policy at the University of Adelaide. She has completed her Masters in development economics from Vietnam. She will be working part-time in Dr Isuru Ranasinghe's group.

**Teresa Tin**

Research Assistant, Liver Metastasis Research Group
The University of Adelaide and BHI, TQEH

Teresa is working as a research assistant with the Liver Metastasis Research Group investigating the progression of primary colorectal cancers to metastasis in the liver. She previously worked in the Gastroenterology Research Laboratory at the Centre for Cancer Biology, on a project investigating the progression of adenomas to colorectal cancers.

**Bimala Dhakal**

PhD student, Liver Metastasis Research Group
The University of Adelaide and BHI, TQEH

Scholarship: Faculty for the Future Fellowship (2018-2019) by [Schlumberger Foundation](#)

Supervisors: Professor Guy Maddern, Dr Ehud Hauben

Thesis title: The immune cell compartment in colorectal liver metastasis

Bimala Dhakal is a biotechnologist who has worked on projects such as cervical intraepithelial neoplasia (CIN) screening and HPV testing in HIV-infected women in Nepal for improved detection.

**Unyime Sunday Jasper**

PhD student, Adelaide-GTRAC Centre
The University of Adelaide and BHI, TQEH

Scholarship: University of Adelaide International Scholarship

Supervisors: Professor Renuka Visvanathan, Associate Professor Solomon Yu and Dr Agathe Jadczyk

Thesis title: Impact of early bed/chair exercises on Physical Activity, Sedentary Behaviour, and Frailty in Older Adults following Hip Fracture

Unyime Jasper is a physiotherapist with extensive experience working with older people. Jasper's research is focused on preventing frailty, immobility and sedentary lifestyle in older people. He also has interest in healthy ageing over the lifecourse. He holds a Master of Science in Gerontology from the University of Southampton, UK.

BHI STUDENT NEWS

BHI STUDENT REPS 20180-2019



Clementine Labrosciano (Level 2)
clementine.labrosciano@adelaide.edu.au



Sarah Bernhardt (Level 1)
sarah.bernhardt@adelaide.edu.au



Joe Wrin (Level 1)
joe.wrin@adelaide.edu.au

3MT Final for Sarah Bernhardt

Congratulations to Sarah, PhD student in the Breast Biology and Cancer Unit, for being one of two winners from the University of Adelaide's Faculty of Health and Medical Sciences 3MT final. Her talk was titled "That time of the month: When menstrual cycle stage affects breast cancer treatment". Sarah's win puts her through to the University 3MT Final which is being held on Tuesday 11 September.

*L-R: Sarah Bernhardt and Bernard Evans, FHMS 3MT Final Winners
(photo: University of Adelaide)*



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Off the Clock

The next BHI Off the Clock is happening from 4pm on Thursday 30 August, and after that on Thursday 27 September. We encourage you all to come along to these casual get-together for staff and students, generously supported by The Hospital Research Foundation.

Honours Information Day: 8 August

Sue Lester and Dr Carlee Ruediger (Rheumatology Research Group), Dr Chandra Kirana (Surgical Sciences Research Group), Dr Kevin Fenix (Liver Metastasis Research Group) and Dr Mahnaz Ramenzapour (ENT Surgery), all participated in the University of Adelaide's Student Honours Information Session recently.



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

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.



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COMMUNITY ENGAGEMENT

BHI 2018 Research Image Competition

People's Choice voting is now open!

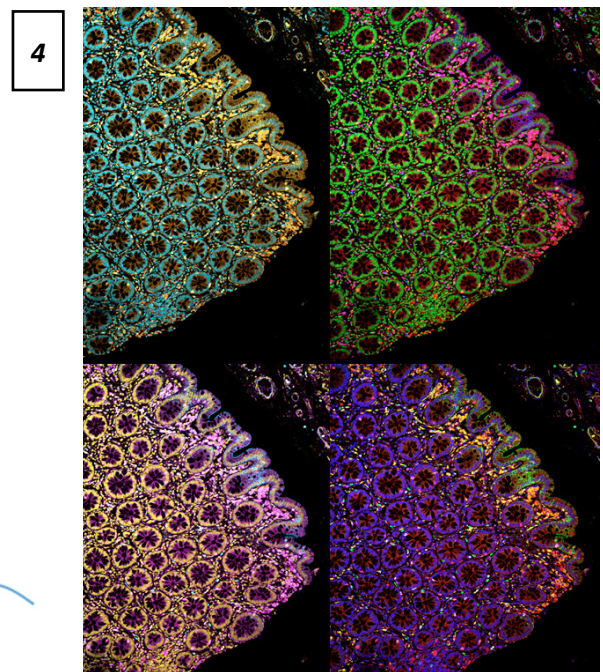
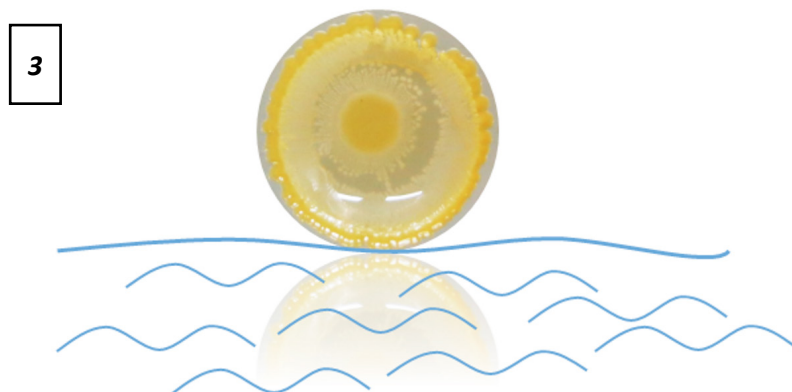
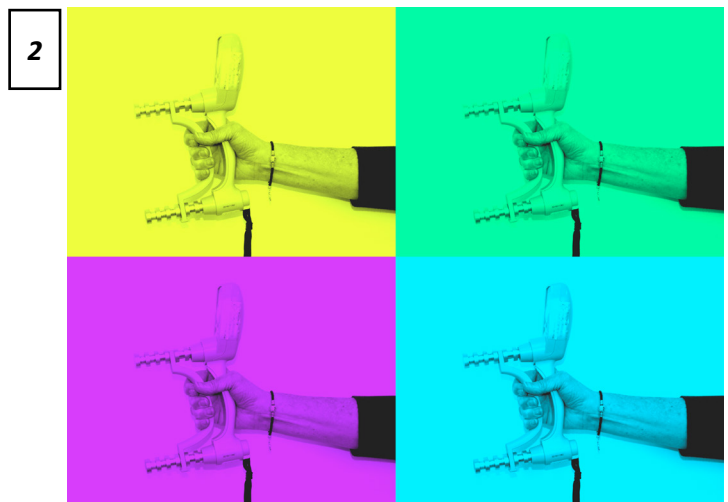
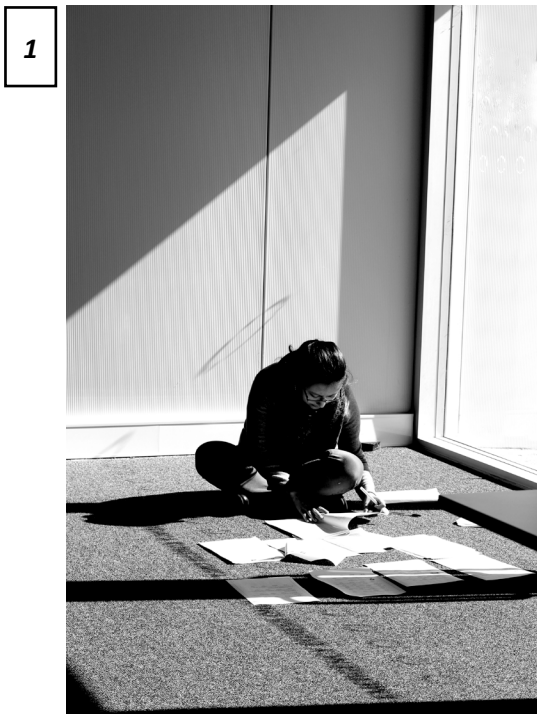
Four images are in contention for the People's Choice Award from the BHI 2018 Research Image competition and it is up to you to determine the winner! The guidelines asked for an interesting research image, looking for creativity, uniqueness and quality. Voting closes 12noon Sept 17th 2018.

Only one vote is allowed per person. Vote for your favourite on the [BHI Facebook page](https://bit.ly/2NIEiUw) at <https://bit.ly/2NIEiUw>. Share the album with your friends, family and colleagues; we would love to count as many votes as possible.

If you are not on Facebook, you can email your vote to Kathryn.hudson@sa.gov.au

With thanks to The Hospital Research Foundation for sponsoring the People's Choice cash prize!!

After you've voted, everyone should start thinking about your entry for the 2019 competition!



1. *Sunshine and Study*, taken by Leonie Baker, Aged and Extended Care
2. *Warhol Grip Strength*, taken by Leonie Baker, Aged and Extended Care
3. *Golden Staph Sun*, taken by Dr Katharina Richter, ENT Surgery
4. *Neon Colon Crypts*, taken by Dr Kevin Fenix, Liver Metastasis Research Group

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

Science Alive! 2018

For the 5th consecutive year, the BHI has participated in [Science Alive!](#) which forms part of the celebrations for National Science Week. The Adelaide Showground provided the venue, with year 7-12 students visiting on Friday 3rd August, and the general public over the following weekend.

At the BHI booth, two “laparoscopic box-trainers” on loan from the Royal Australasian College of Surgeons, allowed people of all ages to test their surgical skills, while hand-held spirometers allowed people to measure one aspect of their lung function, namely how much air they can force out in 1 second.

Enormous thanks to all the volunteer TQEH surgeons and BHI researchers, listed below, who helped us out over the 3 day event.

Kathryn Hudson and Rebecca Anderson

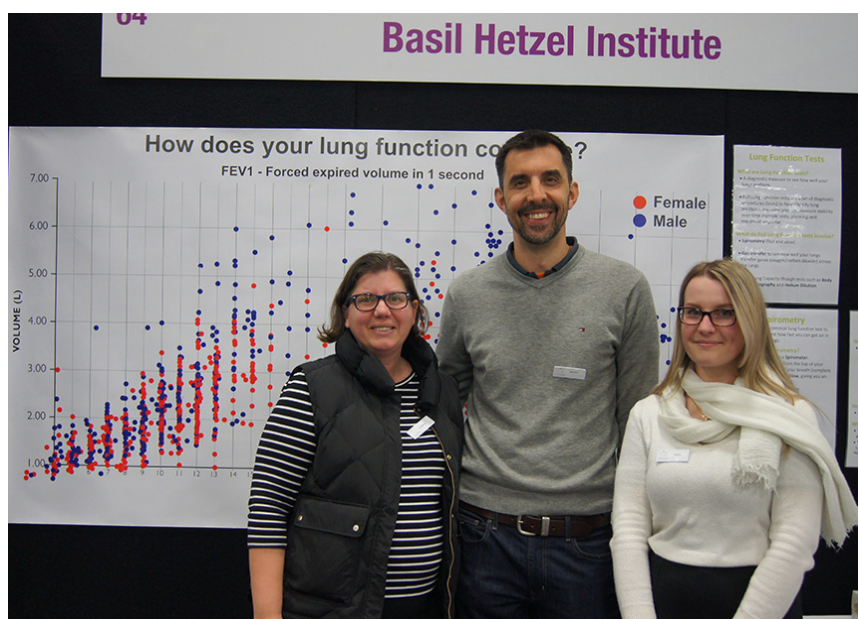
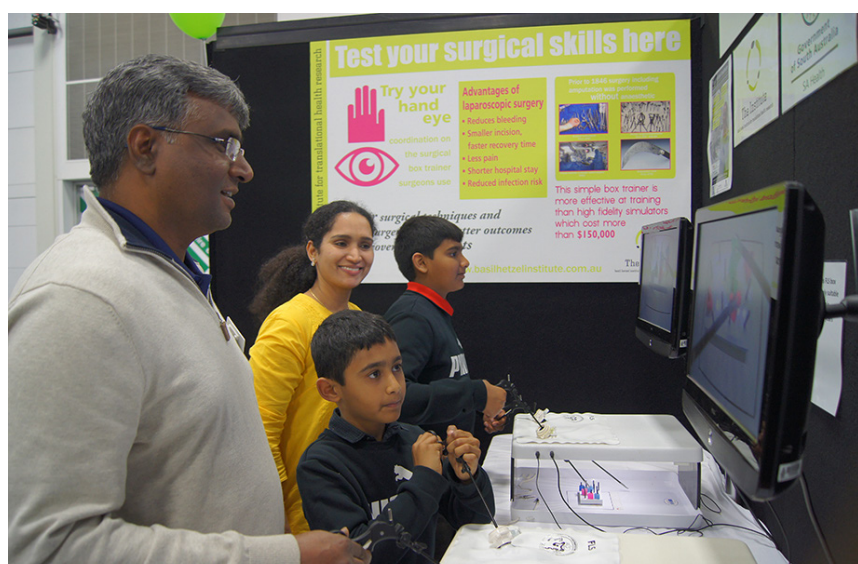
BHI researchers	TQEH surgeons
Sarah Bernhardt	Shantanu Bhattacharjya
Prue Cowled	Martin Bruening
Jo Dollard	Mark Harris
Kevin Fenix	Guy Maddern
Amita Ghadge	Gian Prevost
Ha Nguyen	Markus Trochsler
Beula Panchatcharam	
Mahnaz Ramenzapour	
Kati Richter	
Ashley Twigger	
Rajan Sundaresan VEDIAPPAN	
Joe Wrin	



**All kinds of
awesome.**

COMMUNITY ENGAGEMENT CONTINUED

Science Alive! 2018



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

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

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 or 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 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.



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

GENERAL INFORMATION CONTINUED

Pre-review service for clinical research grants

All research studies, including grant funded research, require appropriate ethics and governance approvals before they can commence. Unlike the NHMRC, many funding bodies do not utilise a peer-review system as part of their grant funding rounds. This can lead to delays in researchers obtaining the post-award approvals that are required before they can start their projects.

The CALHN Research Office is offering pre-application scientific review of clinical human research projects by the CALHN HREC Chair, Mr Ian Tindall, with a view to facilitating efficient post-award approval processes. Please submit your study protocol/grant application and any information regarding investigational drugs or devices for review as soon as possible and no later than one week prior to the grant submission deadline.

For further information and submission please contact the CALHN Research Office on Health.CALHNResearchEthics@sa.gov.au or call 7117 2230

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 26 April	Thursday 10 May
Monday 14 May	Thursday 24 May	Thursday 7 June
Monday 11 June	Thursday 28 June	Thursday 12 July
Monday 16 July	Thursday 26 July	Thursday 9 August
Monday 13 August	Thursday 30 August	Thursday 13 September
Monday 10 September	Thursday 27 September	Thursday 11 October
Monday 15 October	Thursday 25 October	Thursday 8 November
Monday 12 November	Thursday 29 November	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 Drug Subcommittee (IDSC) the week prior to the CALHN HREC. Drug studies will be passed on to the CALHN HREC meeting. 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:

Investigational Drugs Subcommittee (IDSC) Mr Peter Siobodian or Dr Ada Lam Executive Officer, Specialist Pharmacist Phone: (08) 7074 1430 or (08) 7074 1150 peter.siobodian@sa.gov.au ada.lam@sa.gov.au	CALHN Human Research Ethics Committee (HREC) Ms Lisa Barrie CALHN HREC Level 3, Roma Mitchell House Phone: (08) 7117 2229 or (08) 8222 6841 Health.CALHNResearchEthics@sa.gov.au
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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. Further information: John Finnie, SA Pathology/CALHN AEC Committee SAPathologyAEC@sa.gov.au

BHI Hub - Kathryn Hudson (continued from p2)

Cooperative power

Disengage from 'power-over' or 'power-under' behaviours to build 'power-with' others. We can disengage from power-traps by consulting rather than dominating, facilitating rather than rescuing, and by taking responsibility rather than being a victim of the event. We build 'our story.'

Manage emotions

Take care to express fear, anger, hurt and frustration wisely to create change and build a culture of safety and quality. Contain and work safely with emotion, rather than suppressing or exploding emotion, damaging the relationship. Use your emotion wisely to inform rather than inflame.

Willingness to resolve

Be honest about your personal engagement and level of willingness to problem solve in a particular situation.

Map the conflict

Define the issue, identify stakeholders and identify common needs and concerns.

Develop options

Create solutions that are fair, feasible and achieve an agreed outcome.

Negotiate

Use the above skills to reach agreement about how to proceed.

Mediate

If it is not possible to resolve the issue yourselves and all parties agree, you can consider introducing a third party, preferably trained in mediation skills, to help you reach a workable agreement.

Broaden the perspective

Re-evaluate the issue by creating a bigger picture and by taking into account a wider range of factors and possibilities.

WORK, HEALTH & SAFETY

PC2 Behavioural guidelines in the BHI Laboratories

All lab spaces within the Institute are certified as PC2 laboratories. Or "Physical Containment Level 2".

Before starting work in laboratories you must be aware that;

- All persons within the laboratory should wear a lab coat and closed shoes. If necessary, other appropriate PPE (personal protective equipment) should also be worn.
- All solutions should be labelled according to Chemical Management procedures, ie full name of solution, owners name, major risk category.
- Researchers should ensure that all spills are cleaned up appropriately.
- All floor areas are kept clear (ie no storage of cardboard boxes) to allow for proper cleaning and decontamination of spills.
- All fluid traps connected to biosafety cabinets shall be treated as PC2 waste.
- Medical waste bins and contents should be treated as infectious.
- Researchers using genetically modified organisms (GMOs) should ensure proper segregation between other work.
- No food and drinks in the laboratory area.

UPCOMING EVENTS



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

Wednesday 5 September

SPEAKER: Professor Xin-Fu Zhou, Research Chair in Neuroscience, University of South Australia
TITLE: 75ECD is a novel drug candidate for Alzheimer's Disease
CHAIR: Dr Lorraine MacKenzie, Centre Manager, Therapeutics Research Centre, University of South Australia and BHI, TQEH. lorraine.mackenzie@unisa.edu.au

Wednesday 12 September

SPEAKER: Dr Michelle Wirthensohn, Horticulture Australia Research Fellow, School of Agriculture Food and Wine, The University of Adelaide
TITLE: Almonds – Research and other things
CHAIR: Dr Chandra Kirana, Senior Research Officer, Surgical Science Research Group, The University of Adelaide and BHI, TQEH. chandra.kirana@adelaide.edu.au

Wednesday 19 September

SPEAKER: Dr Johan Verjans, SAHMRI Heart Health and Senior Lecturer, The University of Adelaide
TITLE: Molecular imaging in atherosclerosis
CHAIR: Dr Thanh Ha Nguyen, Postdoctoral Fellow, Cardiology Unit, The University of Adelaide and BHI, TQEH. thanh.h.nguyen@adelaide.edu.au

Wednesday 26 September

SPEAKERS: Andrew Stanly, Director of SANT Data Link, and Rob Smetak, Senior Analyst of SANT Data Link
TITLE: SANT Data Link: Data Linkage Services in South Australia
CHAIR: Dr Isuru Ranasinghe, Heart Foundation Future Fellow, Health Performance and Policy Unit, The University of Adelaide and BHI, TQEH. isuru.ranasinghe@adelaide.edu.au

Wednesday 3 October

SPEAKER: Dr Ash Hopkins, National Breast Cancer Foundation Postdoctoral Fellow, Flinders Centre for Innovation in Cancer, Flinders University
TITLE: Identifying precision use strategies for anticancer medicines through the pooled analysis of open source clinical trial data
CHAIR: Associate Professor Benedetta Sallustio, Principal Medical Scientist, Clinical Pharmacology Research Group, The University of Adelaide and BHI, TQEH. benedetta.sallustio@sa.gov.au

Please Note:

All Honours and Postgraduate students are required to attend two thirds of BHI Research Seminar Program run between July and mid-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).

BHI 'Talking Heads'

Research Seminars 2018

TQEH research staff and students are invited to the final BHI 'Talking Heads' research seminar for 2018. Prof Mike Roberts and Prof John Horowitz will speak on their pharmacological research activity and research plans, and invite your questions.

Prof Mike Roberts, Research Leader, Therapeutics Research Centre, University of South Australia and BHI, TQEH

Title: 'Consumer safety and therapeutics: from the outside looking in'

Prof John Horowitz, Head, TQEH Cardiology Unit

Title: 'Coronary spasm: The Gordian Knot approach'

Chair: Dr Yuliy Chirkov, Principal Medical Scientist

Date: **Tuesday 18 September 2018**

Time: 12.00 – 1.00pm, with lunch to follow

Venue: Ground Floor Seminar Rooms, Basil Hetzel Institute, 37a
Woodville Road, Woodville South 5011

Generously supported by The Hospital Research Foundation

Enquiries: Gwenda Graves

Tel: 8222 6870

Email: gwenda.graves@sa.gov.au



The Institute

basil hetzel institute for translational health research



- THE QUEEN ELIZABETH HOSPITAL - ST MARGARET'S HOSPITAL -
- THE PREGNANCY ADVISORY CENTRE - THE BASIL HETZEL INSTITUTE -

All staff and partners welcome. Formal dress.

FRIDAY

12th October, 2018

7pm for 7.30pm

Adelaide Entertainment Centre

TICKETS

\$120 Early Bird (until August 10th)

\$130 thereafter

luisa.richards@sa.gov.au

for info and purchasing

Tickets include three course sit down meal, drinks package & entertainment.
Silent auctions, raffles, door prizes and more.



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TQEH Research Expo

Thursday 18 October 2018

10:15am

Morning Tea

10:45am

Student Poster Competition

12:00pm

Lunch

1:00pm

Researcher Showcase

- Dr Isuru Ranasinghe
- A/Professor Wendy Ingman
- Prof. PJ Wormald & A/Professor Sarah Vreugde
- Dr Helen Stallman
- Dr Peter Zalewski

2:00pm

Afternoon Tea

2:15pm

Researcher Showcase

- Professor PJ Wormald & Professor Guy Maddern
- A/Professor Benedetta Sallustio
- Dr Nicky Thomas
- Professor John Beltrame
- Dr Kevin Fenix
- Dr Sarah Appleton
- Professor Andreas Evdokiou
- Dr Danushka Wijesundara

3:35pm

End

Major sponsors of TQEH Research Expo



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South Australia



The Institute

TQEH Research Expo

Friday 19 October 2018

- 8:15am** **Honours & Summer Vacation Students**
- 9:15am** **Junior PhD Students (Laboratory)**
- 10:15am** **Morning Tea & Trade Displays**
- 10:45am** **Senior PhD Students (Laboratory)**
- 12:00pm** **Plenary Lecture:**
- Professor Peter Rathjen**
- Vice-Chancellor, The University of Adelaide**
- 1:00pm** **Lunch & Trade Displays**
- 2:00pm** **Clinical Research Group 1 (Clinical Trainees)**
- 3:00pm** **Clinical Research Group 2 (Clinical Higher Degrees)**
- 4:00pm** **Award Presentations, Drinks & Nibbles**

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South Australia**

PUBLICATIONS

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

Chan B, Chiew A, Grainger S, Page C, Gault A, Mostafa A, Roberts M, Buckley N, Isbister G. Bromoxynil and 2-methyl-4-chlorophenoxyacetic acid (MCPA) poisoning could be a bad combination. *Clinical Toxicology*: 56(9):861-863, 2018 Sep.

Gupta A, Kanhere H, Maddern G, Trochsler M. Liver resection in octogenarians: are the outcomes worth the risk? *ANZ Journal of Surgery*. 2018 Jul doi: 10.1111/ans.14475.

Horowitz JD, De Caterina R, Heresztyn T, Alexander J, Andersson U, Lopes R, Steg P, Hylek E, Mohan P, Hanna M, Jansky P, Granger C, Wallentin L. Asymmetric and symmetric dimethylarginine predict outcomes in patients with atrial fibrillation: An ARISTOTLE Substudy. *Journal of the American College of Cardiology*. 72(7):721-733, 201 Aug.

Horowitz JD, Liu S. ADAM-15 and glycocalyx shedding: a new perspective on sepsis-related vasomotor dysfunction. *Cardiovascular Research*. 2018 Aug doi.org/10.1093/cvr/cvy199.

Kaambwa B, Mpundu-Kaambwa C, Adams R, Appleton S, Martin S, Wittert G. Suitability of the Epworth Sleepiness Scale (ESS) for economic evaluation: An assessment of its convergent and discriminant validity. *Behavioral Sleep Medicine*. 16(5):448-470, 2018 Sep-Oct.

Kadam V, Reid D. Psoas compartment block for intraoperative anesthesia for fracture neck of femur: Case report. *Journal of Anaesthesiology Clinical Pharmacology*. 34(2): 264-265, 2018 Apr-Jun.

Low I, John Harley H, Clouston A. Polycythemia rubra vera: Where does the truth lie? *Gastroenterology*. 155(2):e7-e8, 2018 Aug.

Pasupathy S, Beltrame J. Refining the diagnosis of myocardial infarction with nonobstructive coronary arteries. *Coronary Artery Disease*. 29(6):528-529, 2018 Sep.

Shahzad M, Harding D, Ruszkiewicz A, Tran E, England G, Philpott H. Gastrointestinal: Olmesartan-induced enteropathy. *Journal of Gastroenterology and Hepatology (Australia)*. (no pagination), 2018.

Wawer A, Jennings A, Fairweather-Tait S. Iron status in the elderly: A review of recent evidence. *Mechanisms of Ageing and Development*. 175:55-73 2018 Oct.

Another Sold Out Lottery – Thank you!

THRF's Hospital Research Home Lottery has sold out! Thank you to those who purchased tickets in our latest lottery, you're in the chance of winning the \$2.3million Grand Prize, a beautiful Scott Salisbury home at Brighton and \$1million CASH!

You can still purchase Cash Calendar and Holiday for Life tickets and be in the running to win some amazing cash prizes, or a holiday every year for 30 years!

Proceeds from each lottery go straight back into lifesaving research and patient care across South Australia, including at the BHI.

If you missed out on a ticket, you can sign up to become a member, so you are always in the running to win, just call 1300 852 177 or visit www.homelottery.com.au

The lottery will be drawn **Tuesday September 11**, so listen out for that life-changing phone call and good luck!



One lucky winner will get to wake up to this view every day!

Lifesaving Equipment Finds a New Home

In Sierra Leone, the life expectancy is sadly just 46 years old. A boy has only a 55 per cent chance of living to 15 years and a girl has a 45 per cent chance. In a bid to change the lives of the people living in this community, THRF is proud to have provided \$10,000 in funding for researcher and BHI alumni Dr Victor Lamin to send equipment from the old RAH to his home in Sierra Leone.

The top 10 causes of death in Sierra Leone include lower respiratory infections, tuberculosis, malaria and protein-energy malnutrition and sadly, death is a result of poor health infrastructure.

With this lifesaving medical equipment, Dr Lamin is hoping to establish specialist centres for cancer and cardiovascular patients who currently have to travel to other countries for treatment, which is extremely difficult financially for the population.

You may have seen this story covered on Channel 10 a couple of weeks ago, which can be viewed [here](#).

THRF is proud to be part of this initiative. This medical equipment will help save lives!



Victor Lamin (on right) with friends helping to load the container

Local Charles Sturt Council Holds a Longest Table



On Thursday 23 August, the City of Charles Sturt Council held their own Longest Table dinner, raising vital funds to help fight cancer!

Two BHI researchers, Professor Andreas Evdokiou and Dr Kevin Fenix were guest speakers for the night, generously volunteering their time to discuss and highlight their current research, which was very well received by the audience.

Through generous donations as well as a silent auction, the council raised over \$1,500 that will go towards the creation of garden beds at THRF's Under Our Roof homes in Woodville West as well as supporting cancer research at the BHI.

The theme of the night was a #forkwinter Indoor Picnic. Professor Andreas Evdokiou and Dr Kevin Fenix both spoke about their research. Photos: Charles Sturt Council



Thank you to Prof Evdokiou and Dr Fenix who engaged the audience with their research and inspired them all to donate towards lifesaving cancer research and patient care.