




The Institute

basil hetzel institute for translational health research

MONTHLY BULLETIN FOR TQEH RESEARCH COMMUNITY

WINNING NEWS

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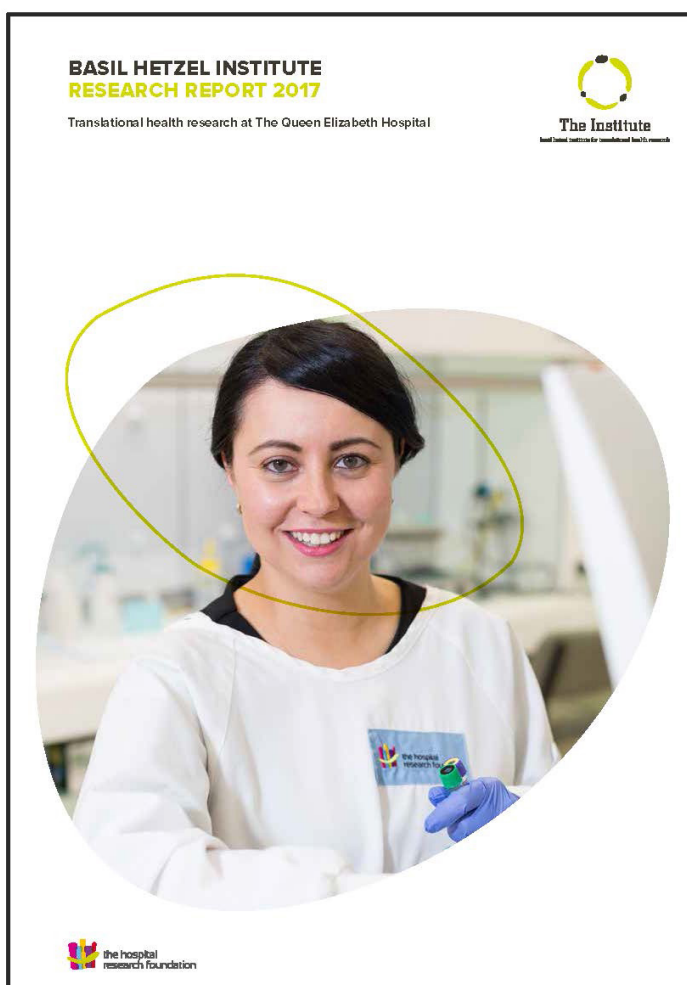
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THRF Grant Round Announced

The Hospital Research Foundation (THRF) have announced their 2018 grant round for scholarships, fellowships and grants to be undertaken at the BHI, TQEH. See page 3 of this edition of Winning News for more details and a link to THRF's website, where you can find guidelines and EOI forms. The deadline for expressions of interest is 12pm on Tuesday 1 May 2018.

BHI Research Report 2017

The BHI Research Report 2017 was presented to the BHI Policy Committee on Tuesday 6 March 2018, and is available for viewing or downloading from the [BHI website](#).



Please provide any feedback about the report to rebecca.anderson@adelaide.edu.au

APRIL
2018
ISSUE 110

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BHI SEMINARS

Tuesdays 1pm
Staff Seminars

Wednesdays 12pm
Invited External Speaker Seminars

Thursdays at 1pm
Postgraduate Student Seminars

UPCOMING EVENTS

BHI Off the Clock
Thursday 26 April

Day of Immunology
Friday 27 April

BHI HUB

From the BHI Facility Manager Kathryn Hudson

BHI Ground Floor
Phone ext: 27427
kathryn.hudson@sa.gov.au



The activities of grant funded researchers are, as always, quite visible in this edition of the BHI Winning News.

On the front page you'll find a link to the 2017 BHI Research Report, which details last year's research activity at The Queen Elizabeth Hospital. If you haven't yet had a chance to read through the report, I encourage you to do so. The BHI had a very strong performance in 2017, with in excess of \$20 million having been expended on research, over 400 refereed publications in circulation, 18 higher degrees being completed, and 92 refereed grants under management. Over 80 postgraduate students are continuing their studies in 2018, and are supported by over 100 clinical and research staff.

Research conducted at TQEH continues to be highly regarded by our colleagues worldwide, as is demonstrated by the publication output and the many clinical scientific society conference presentations. In addition, graduating students are moving to highly sought after positions around the globe.

In the research report, and in Winning News, you will also find reference to the many community engagement activities BHI researchers are involved in. Research conducted at the BHI continues to capture the attention of South Australians via traditional newspaper articles, tv news, radio and public seminars. And our young researchers continue to win national awards.

Finally, The Hospital Research Foundation has just announced their largest funding round to date at the BHI, TQEH, with opportunity for 10 research fellows to be appointed, along with support for postgraduate student scholarships, project grants, a development grant and translational grants. With successful applicants being announced in the middle of the year, this will bring a new wave of creativity, experimentation and scientific analysis, leading to yet more publications and graduating students...all of which will all be reported in the 2018 Research Report!

From the BHI Communications Officer Rebecca Anderson

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



Why should you always use a capital "T" when referring to The Queen Elizabeth Hospital?

Many people, including some in the media, do NOT use a capital "T" when referring to The Queen Elizabeth Hospital. In his recent interview on [ABC radio](#), Professor Guy Maddern explains (as Bill Proudman does in his new book) why we should always refer to "The" Queen Elizabeth Hospital (ie. TQEH and not the QEH) - "...because the reigning monarch at the time, and after whom it (the building) was named, was alive."

So, please remember this and use "The Queen Elizabeth Hospital" and "TQEH" in all your own references, and share this explanation with others!

NEWS

2018 THRF Grant Round - now open!



the hospital
research foundation

The Hospital Research Foundation (THRF) is proud to invite expressions of interest applications in its 2018 grant round at The Queen Elizabeth Hospital (TQEH) and the Basil Hetzel Institute for Translational Health Research (BHI).

This is the largest grant round at these facilities to date, including a number of grants, fellowships and scholarships:

- 2 x Basil Hetzel Translational Grants (\$250,000 each)
- 5 x 3-year Mid-Career Fellowships (\$160,000 per annum each)
- 5 x 2-year Early-Career Fellowships (\$120,000 per annum each)
- 1 x Development Grant (\$150,000)
- 3 x Project Grants (\$140,000 each)
- 5 x Postgraduate Research Scholarships – up to 3 years (\$32,000 per annum each)

In addition to these funds available, THRF will also continue to fund existing grants in 2018 with an additional \$3.5million.

“THRF exists to save lives and we are thrilled to be able to provide these opportunities for researchers at TQEH and BHI that will help us in our mission – finding cures and improving care for South Australians,” said THRF CEO Paul Flynn.

“These grants have been made possible thanks to our generous donors and ticket buyers in the Hospital Research Home Lottery and we thank them for their ongoing support.

“We look forward to welcoming applications from a variety of vital clinical and research areas at TQEH and the BHI and awarding researchers and projects that will go on to have a huge impact in the community.”

Applications in the Fellowship categories are this year open Australia-wide, where researchers are invited to join existing research groups at TQEH/BHI. Mid-Career Fellowship applications may also be accepted from researchers who wish to bring their research group to the BHI, with approval from TQEH Director of Research, Professor Guy Maddern.

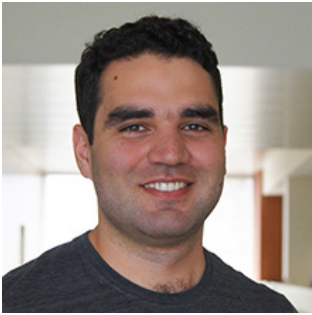
Expressions of Interest applications will close at 12.00 PM on Tuesday May 1 2018.

For more information including Guidelines for Applicants and EOI forms, please visit: <http://hospitalresearch.com.au/2018TQEH>

TQEH Research Equipment applications

Applications are being accepted for Research Equipment located at TQEH. Contact Kathryn: Kathryn.hudson@sa.gov.au or 8222 7427 for Guidelines and Application forms. Applications close 20 April 2018.

New BHI Staff Members



Dr Adrian Abdo

Research Officer, Translational Vascular Function Research Collaborative
Level 2 BHI

adrian.abdo@adelaide.edu.au



Dr Ahmed Bassiouni

Research Assistant, ENT Surgery
Level 1 BHI



Dr Isha Haridass

Research Assistant, Therapeutics Research Centre
Level 2 BHI

isha.haridass@unisa.edu.au



Jarrod Lange

Senior Research Consultant (GIS), Adelaide G-TRAC Centre
Ground Floor BHI

jarrod.lange@adelaide.edu.au



Dr John Licari

Postdoctoral Research Fellow, Clinical Pharmacology Research Group
Level 2 BHI

john.licari@adelaide.edu.au



Dr Anna Wawer

Postdoctoral Researcher, Translational Vascular Function Research Collaborative
Level 2 BHI

anna.wawer@adelaide.edu.au

Media & Communications Training Workshop Tuesday 8 May 2018

Congratulations to the following people for being selected to participate in the 'Science in Public' Media and Communications Training Workshop in May:

- **Sarah Bernhardt**, PhD student, Breast Biology and Cancer Unit
- **Dr Agathe Jadcak**, Postdoctoral Researcher, Adelaide G-TRAC Centre
- **Dr Mahnaz Ramezanpour**, Postdoctoral Researcher, ENT Surgery
- **Dr Rosanna Tavella**, Postdoctoral Researcher, Translational Vascular Function Research Collaborative

Sponsorship from The Hospital Research Foundation and the BHI is enabling these researchers to attend this one-day course (valued at \$880 per person). This year Science in Public will be holding their Adelaide workshop at the Basil Hetzel Institute.

'Pitch it Clever' Delegates' Choice Award to Dr Katharina Richter



The 'Pitch it Clever' competition hosted by Universities Australia is similar to the three minute thesis (3MT) competition in that you have to make a 2 minute video, that explains your research and its significance to a lay audience. This year, 160 entries were received, 6 were short listed and the videos were shown at the Higher Education Conference in Canberra (27 February - 1 March 2018). 1100 delegates voted on the short-listed videos, and Kati received the Delegates' Choice Award (valued at \$1,500) as the majority of them voted for her!

View the videos of the 3 winners (Vice Chancellors' Award, Delegates' Choice Award, People's Choice Award) here: <https://pitch-it-clever.thinkable.org/>

Nominate for Young Tall Poppy Science Awards

If you already have a PhD, and are experienced at communicating your science, why not nominate yourself for a Young Tall Poppy Science Award?

These awards recognise the achievements of young scientific researchers who are in the early stages of their research careers. Further information can be found on the [AIPS website](http://www.basilhetzelinstitute.com.au). **Entries close on Monday 9 April.**

SA Fresh Science Award to Dr Katharina Richter

Dr Richter was the South Australian winner of [Fresh Science](#), a national program that helps early-career researchers find and share their stories of discovery. As part of this award, Science in Public write a press release about the winner's research. The following press release was distributed on Tuesday 6 March. It led to much interest in the Kati's research, as summarised in the Community Engagement section of this edition of Winning News. [Nominations](#) are currently being called for Fresh Science 2018 (see flyer later in this edition).

Starving superbugs, then poisoning them

Adelaide researchers have developed and patented a novel approach to fight superbugs, like golden staph, by targeting the bugs' favourite food—iron. Dr Katharina Richter and colleagues from the University of Adelaide have commenced the first human trials of the treatment at The Queen Elizabeth Hospital. Superbugs, or antibiotic-resistant bacteria, cause 700,000 deaths globally every year as existing antibiotics can't effectively kill them.

The threat from superbugs to human health is likely to worsen, with the World Health Organization predicting by 2050, 10 million people will die each year due to antibiotic resistance. New weapons are needed to fight antibiotic-resistant bacteria. Dr Richter is targeting how bacteria consume iron, to disrupt their ability to cause disease, make them vulnerable and ultimately kill them.

"Iron is like chocolate for bacteria. It gives them energy to grow, cause disease, and withstand attacks from our immune systems and antibiotics," says Dr Richter.

"Using two different compounds, we first starve the bacteria of iron and then feed them the bacterial equivalent of poisonous chocolate, which the hungry bacteria find irresistible.

"This 'double whammy' approach has defeated superbugs like golden staph in laboratory and animal studies," she says. The treatment is being trialled to help patients with antibiotic-resistant sinus infections—with the two compounds included in a wound-healing gel.

"The treatment is locally applied at the infection site, precisely where it is needed without interfering with the entire body," says Dr Richter.

"In our studies so far, we haven't observed any side effects. Moreover, the risk for resistance is low as bacteria are unlikely to become resistant to their preferred food."

In the future, Dr Richter hopes the therapy can be refined so it can also be used to treat other superbug infections. The team are recruiting patients with chronic recurring sinus infections for the trials.

"We are hoping that this treatment will improve the quality of life for patients after sinus surgery," says the trials' principal investigator Professor Peter-John Wormald. Professor Wormald is an ear, nose and throat surgeon at The Queen Elizabeth Hospital and chair of Otolaryngology, Head and Neck Surgery at the University of Adelaide.

"By better treating the bacteria causing their infections we hope to extend the period of time patients are symptom-free, and potentially reduce their need for further surgery."

Dr Richter completed her PhD at the University of Adelaide in 2017. Her doctoral research was jointly funded by The Hospital Research Foundation and a University of Adelaide Postgraduate Scholarship. She is now continuing this research as a postdoctoral researcher at the University of Adelaide and the Basil Hetzel Institute for Translational Health Research. Dr Richter recently won the Pitch it Clever Delegates' Choice Award at the 2018 Universities Australia Higher Education conference.

In 2017 Fresh Science celebrated its 20th birthday, and ran in every mainland state with 140 early-career researchers nominating for the five Fresh Science events held last year in Brisbane, Adelaide, Sydney, Melbourne, and Perth. Fresh Science South Australia was supported by the University of Adelaide, the South Australian Museum, Flinders University, the University of South Australia and New Scientist.

THRF Travel Award Report: Dr Eric Smith

Dr Eric Smith, Research Officer, Colorectal Cancer Group, The University of Adelaide and Basil Hetzel Institute, TQEH

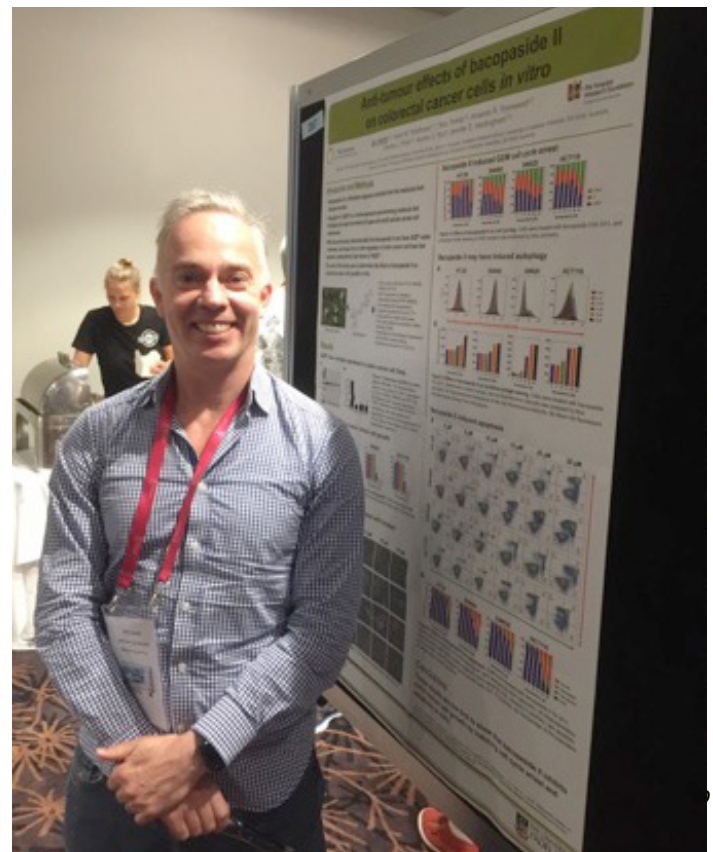
Attended the 30th Lorne Cancer Conference in Victoria, Australia,
8-10 February 2018

The tranquil and picturesque seaside town of Lorne, on the south-west coast of Victoria, was host to the 30th annual Lorne Cancer Conference, held from the 8th to 10th February 2018.

The conference was an inspiring opportunity to hear the latest cutting-edge trends in research from some of the world's leading clinical and scientific cancer researchers. The meeting covered many current hot topics in the field including oncogene signalling, the role of tumour microenvironment in cancer invasion and response to therapy, targeting tumours through oncogenes, pathways that protect the genome from mutation, tumour-host interactions, cancer stem cells, and new advances in kinase inhibitors for the treatment of cancers.

The outstanding daily programme of presentations was punctuated with ample opportunities to network, further discuss findings with presenters, and foster new and existing collaborations. For example, during one of the extended lunch breaks I met with Dr Jeanne Tie (Medical Oncology Staff Specialist, Peter MacCallum Cancer Centre, Victoria), one of our groups collaborators. She is running several trials investigating the clinical application of circulating tumour DNA in colorectal cancer. This promising research may lead to improved staging and disease monitoring, which will better guide treatment, reducing morbidity and mortality. Conference dinners were spent networking with South Australian, interstate and overseas based delegates, discussing our research and exploring collaborative and career opportunities in a relaxed environment.

Dinners on the first two nights were followed by poster sessions. I was fortunate to be awarded a poster presentation which described our recent work demonstrating that a purified extract for the medicinal herb, *Bacopa monnieri*, was capable of inhibiting colon cancer cell growth by inducing cell cycle arrest and apoptosis, a form of programmed cell death. Our group has previously shown that this extract, bacopaside II, blocks a water and ion channel pore found in cell membranes known as aquaporin-1. We had previously shown that blocking this



pore inhibits cancer cell migration. In addition, bacopaside II inhibits endothelial cell migration and tube formation, which are critical requirements for the formation of new blood vessels essential for tumour growth. Our group are currently translating these encouraging *in vitro* findings into *in vivo* preclinical animal models, with the hope that it may provide a treatment option for colon and breast cancer. In addition to publicising our research, there were opportunities to speak with other poster presenters and visit the trade displays, gaining insight into several challenging techniques which we are looking to adopt in our own research programmes.

I greatly appreciated the funding support provided by THRF and their donors which enabled me to travel interstate and gain these invaluable experiences.

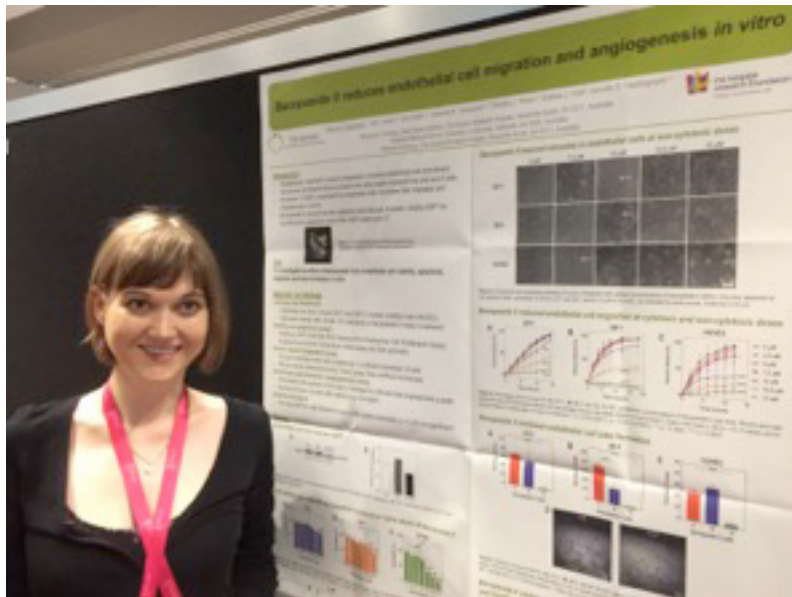
THRF Travel Award Report: Helen Palethorpe



the hospital
research foundation

Helen Palethorpe, Research Assistant, Colorectal Cancer Group, The University of Adelaide and Basil Hetzel Institute, TQEH

Attended the 30th Lorne Cancer Conference in Victoria, Australia,
8-10 February 2018



The Lorne Cancer Conference 30th Anniversary was held at the Cumberland Lorne Resort in Victoria. This year, the list of plenary speakers was impressive with notable researchers including Professor Douglas Hanahan, Director of the Swiss Institute for Experimental Cancer Research (ISREC), who developed one of the first transgenic mouse models of cancer in the 1980s, and Professor Sir David Lane, Chief Scientist of the Agency for Science Technology and Research (A*STAR), who made the landmark discovery of cancer gene p53 in 1979, the most frequently mutated gene in human cancer.

Run over three days, the conference focused on several themes including oncogene signalling, extracellular matrix and metastasis, oncogene/tumour targeting, tumour-host interactions, stem cells and cancer, and new advances in kinase inhibitors, providing an opportunity to collaborate with some of the best in the field. Poster sessions were allocated to the evenings and I was fortunate to have the opportunity to present my current research on Bacopaside II, a medicinal plant extract that inhibits the process of endothelial tube

formation *in vitro* and therefore may have potential as an anti-angiogenic therapy in cancer.

The next stage of my research will involve growing tumours as spheroids in the laboratory. The Lorne Cancer Conference provided the opportunity to discuss the process, as well as the latest technologies, with experts from renowned institutes, including the Children's Cancer Institute in Sydney, the Walter and Eliza Hall Institute of Medical Research and Peter MacCallum Cancer Centre in Melbourne, and the Hubrecht Institute in the Netherlands.

Held in one of the most beautiful places in Australia, the Lorne Cancer conference was an extremely valuable event in terms of acquiring knowledge, collaborating, and providing insights that will improve my own research in the Department of Molecular Oncology at the Basil Hetzel Institute. I greatly appreciate the generous funding support provided by The Hospital Research Foundation and their donors, and thank them for allowing me this opportunity.

Science Meets Parliament: Dr Pallave Dasari

In mid-February, I attended [Science Meets Parliament](#) (SMP) hosted by Science and Technology Australia as one of the Superstars of STEM. I was one of over 200 scientists who converged on Canberra to bring science to the nation's decision makers for two days. We were led by luminaries of Australian science who included Professor Alan Finkel (Australia's Chief Scientist), Dr Larry Marshall (Chief Executive, CSIRO), chief scientists from several government departments, as well as Nobel Laureates and Australians of the Year, who brought the importance of science to Australia's future.

SMP was a fantastic opportunity for me to meet and mix with hundreds of scientists across disciplines from different parts of the country. The first day had a training session that specifically developed networking skills for the delegates which helped me meet dozens of people I would not have otherwise met. Business cards were flying and we were immersed among our brethren who all shared a love of science and a desire to make a difference.

The key message for all scientists to take away from SMP is that scientists need to engage with politicians. Scientists bring an evidence-based rigour in their thinking which is valuable for policy-makers when addressing challenges in across health, society, economy and environment. The luminaries, mentioned above, all emphasised this point, as did several parliamentarians including the Hon. Michaelia Cash, Minister

for Job and Innovation, Senator the Hon. Zed Seselja, Assistant Minister for Science, Jobs and Innovation, and Senator the Hon. Kim Carr, Shadow Minister for Innovation, Industry, Science and Research.

Scientists at all levels can bring this thinking to decision-makers and make a difference, not just chief scientists of departments. Dr Cathy Foley, now Chief Scientist for CSIRO Manufacturing, related an anecdote that as a PhD student and member of the Council of Australian Postgraduate Associations, they objected to the low value of the Australian Postgraduate Award. This Council collected data and stated their case for an increase in the stipend; they were successful with the stipend increased 90% from \$3,700 in 1982 to \$7,000 in 1983.

Scientists can take action to affect policy in different areas and SMP made suggestions for what we can do. Scientists can be most effective when by acting as a collective, so join your professional society and act together to influence policy. You can also engage with your state and federal members of parliament and ask what their position is on areas of interest. Relationships with parliamentarians take time, so keep engaging with your members so they know your name. SMP was clear that action by scientists needs to be continuous for science to be embedded for policy-makers.



The overarching message from SMP 2018 is that scientists have a responsibility to inform and improve policy to make the world a better place.

For those with Twitter accounts, you can see all the excitement on the hashtag #SMP2018.

Science Meets Parliament Gala Dinner at Parliament House, Canberra. L-R: Superstars of STEM Dr Caroline Ford (UNSW), Dr Jodie Ward (NSW Health), Dr Sanam Mustafa (University of Adelaide), Dr Tien Huynh (RMIT) and Dr Pallave Dasari (University of Adelaide).

BHI STUDENT NEWS

BHI STUDENT REPS 2017–2018



Zenab Dudhwala (Level 2)

zenab.dudhwala@adelaide.edu.au



Maddison Archer (Level 1)

maddison.archer@adelaide.edu.au



Chris DiFelice (Level 1)

christopher.difelice@adelaide.edu.au

Welcome Games: Thurs 8 March

New staff and students were welcomed at the annual “Welcome Games”, organised by the three BHI student reps.



Off the Clock: Thurs 26 April

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.

BHI SOCIAL NEWS

Easter Bun testing by the Bun Heating Institute (BHI)



Drs Agathe Jadczyk and Joanne Dollard, Aged & Extended Care Services

Kathryn Hudson, Leonie Baker and Dr Danielle Taylor supplied a wide selection of easter buns for BHI researchers to sample on Thursday 29 March. The results are shown in the table below. In summary,

- Bakers Delight Apple and cinnamon had the most tastes, and came away with the highest score per vote.
- The Village Baker Traditional scored the highest of the traditional buns, and
- the Coles fruitless was the least popular bun! No surprises there!

| | Secret Bun Identity | Number of Votes | Total Likert Score | Likert Score per Vote | Price per dozen |
|--------------|--|-----------------|--------------------|-----------------------|-----------------|
| Bun A | Bakers Delight Choc chip | 21 | 64 | 3.05 | \$14 |
| Bun B | Perrymans traditional | 19 | 54 | 2.84 | \$16 |
| Bun C | Brumbys Berry and white choc | 18 | 42 | 2.33 | \$11.85 |
| Bun D | Kytons fruchoc | 21 | 64 | 3.05 | \$16.50 |
| Bun E | Brumbys Sticky Date | 19 | 66 | 3.47 | \$11.85 |
| Bun F | Coles Fruitless | 16 | 36 | 2.25 | \$7 |
| Bun G | Bakers Delight Apple and Cinnamon | 26 | 103.5 | 3.98 | \$14 |
| Bun H | North Adelaide Bakery traditional | 16 | 43 | 2.69 | \$7.50 |
| Bun I | The Village Baker traditional | 21 | 77 | 3.67 | \$21.80 |

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

Ten News: Dr Anupam Gupta - 1 March

TQEH Rehabilitation Consultant Dr Anupam Datta Gupta was interviewed for Ten Eyewitness News Adelaide on Thursday 1 March about the Australian-first clinical trial investigating the benefits of botox injections for stroke patients. Dr Gupta is also undertaking a PhD at the Basil Hetzel Institute, through The University of Adelaide. Dr Gupta's research is being supported by The Hospital Research Foundation.



Fresh Science: Dr Kathrina Richter - 6 March



On Tuesday 6 March a media release announcing Dr Katharina Richter as the SA winner of the Fresh Science competition, and including a detailed summary of her research into Superbugs, unleashed multiple news stories over the following few days. As outlined on the [BHI website](#), Kati's story was reported by the following media organisations:

- 5AA Radio Adelaide
- ABC News, The World Today
- Channel 9 News (with Professor PJ Wormald)
- The Lead

A segment has also been filmed for Network Ten's children's science program "[Scope](#)" which will go to air in July.

Dr Katharina Richter with camera crew from Scope.

ABC radio: Prof Guy Maddern - 22 March

ABC Radio's "Mornings with David Bevan" Book of the Week segment featured Bill Proudman's new book "In the beginning" in which he writes about the early days of The Queen Elizabeth Hospital which was declared open in March 1958. The current TQEH Director of Research, Professor Guy Maddern spoke to David about the book and the 60 year history of TQEH.

The full interview can be heard here: <http://www.abc.net.au/radio/adelaide/programs/mornings/qeh/9575884>

Four of the six stories in the “Wild Science” series by Elisa Black in The Advertiser featured the work of BHI researchers. The stories all appeared in the print edition of the newspaper, including some 2-page spreads, with even more information available to subscribers on-line. Links can be found on the [BHI website](#).

Dr Sam Costello and BiomeBank, Australia's first public stool bank, Wednesday 21 March

Dennis Horton, Data to Decision CRC: Using big data to reduce cardiac complications and emergency room waiting times,
Saturday 24 March

Professor PJ Wormald and **Associate Professor Sarah Vreugde**: Use of chitosan gel in back surgery, Wednesday 28 March

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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 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.

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 the 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



The Institute

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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

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.

Changes in 2018

The new 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:

| | |
|---|--|
| 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 lisa.barrie@sa.gov.au |
|---|--|

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

WORK, HEALTH & SAFETY

How to Occupational Health and Safety Changes at The University of Adelaide affect BHI researchers?

University of Adelaide supervisors will be aware of a number of changes which have occurred following the Faculty of Health and Medical Sciences (FHMS) restructure in mid 2016, in particular with regard to delivery of Health Safety and Welfare. Full details of the University of Adelaide FHMS procedures are at <https://health.adelaide.edu.au/intranet/hsw/>.

As the new system develops, we are reviewing the programs at The Institute, and I thought it timely to explain how this will fit into the new Faculty structure. In short, the supervisor is now responsible for record keeping and ensuring staff/students complete all their necessary HSW requirements.

Induction: All new staff and students who will work at The Institute in any capacity should complete a BHI general induction with BHI Facility Manager, Kathryn Hudson. Exemptions from this include work experience students, and short term undergraduate research placement students (<25h per semester) who will only be working under close supervision of an experienced BHI researcher. A BHI induction checklist is returned to Kathryn. For users of the Experimental Surgical Suite, you are required to participate in an induction with Matthew Smith.

A local induction must be completed by your supervisor (or delegate), using the BHI checklist as a guide.

General training: All lab based staff should complete Chemical Management (general), Biosafety training, Hazard Management using the Information Sessions at this link <https://www.adelaide.edu.au/hr/hsw/training/>. Unfortunately, these sessions are no longer offered as face to face training at BHI.

Equipment and specialised training: All rooms and some equipment at BHI are allocated a “contact person”. One of the duties of the contact person is to provide training to users. The BHI uses a centralised training system to improve training and ensure consistency of information. Training records are located at the equipment and competency checklists should be kept by users. You can find the list of contact persons posted outside the lab rooms at BHI, or at <http://www.basilhetzelinstitute.com.au/bhi-intranet/laboratory-specific-information/equipment/?logged=1>.

Risk assessments and Standard Operating Procedures (SOP) for shared lab equipment are available at the BHI “code of conduct” folder on each floor at photocopier or online at <http://www.basilhetzelinstitute.com.au/bhi-intranet/laboratory-specific-information/risk-assessments-sops-and-competency-action-lists/?logged=1>. Individual labs do not need to create a separate procedure for the general items covered, however specific tasks or specialised equipment used only by your group may require a specialised SOP.

Worksite safety inspections: SA Health require worksite safety inspections, and BHI will continue to hold them every 6 months.

Audit: FHMS has adopted an audit system to review all high risk areas in the Faculty, including BHI. Our audit time has not been scheduled yet, however it will require some input from supervisors, equipment contact persons (training records) and Kathryn.

Health and Safety Reps: No change to current arrangements – University assigned HSO Peter Zalewski and Prue Cowled, plus elected Health and Safety rep representatives Kathryn Hudson, Clare Cooklsey and Shane Spencer. The team work together to navigate SA Health and the University HSW requirements.

The processes are under constant review to improve, and may change. If you have any queries about the above information, or anything OHS related not covered here, please contact Kathryn, Clare, Shane, Peter or Prue in the first instance. (Kathryn.hudson@sa.gov.au)

*UniSA staff and students have no changes to their arrangements. See link: <http://w3.unisa.edu.au/safetyandwellbeing/default.asp>



The Institute

basil hetzel institute for translational health research

APRIL 2018

BHI Research Seminars

with Invited External Speakers

www.basilhetzelinstitute.com.au/events

**Seminars commence at 12pm on scheduled Wednesdays
Ground Floor Seminar Rooms, Basil Hetzel Institute, TQEH**

Wednesday 4 April

SPEAKER: Emeritus Prof Peter Roberts –Thomson,

TITLE: ‘The Ancient and Modern Practice of Rheumatology in South Australia’

CHAIR: Sue Lester, Chief Medical Scientist, Rheumatology Lab, Level 2 BHI, TQEH.
susan.lester@sa.gov.au

Wednesday 11 April

SPEAKER: Dr Natalie Prow, QIMR and UniSA

TITLE: ‘A vaccinia-based single vector construct multi-pathogen vaccine protects against both Zika and chikungunya viruses’

CHAIR: Dr Branka Grubor-Bauk, Research Fellow, Virology Group, University of Adelaide, Discipline of Surgery. Level 1 BHI, TQEH. branka.grubor-bauk@adelaide.edu.au

Wednesday 18 April

SPEAKER: Dr Anjali Nagpal MBBS MD FRCA (UK), PhD Candidate School of Medicine University of Adelaide

TITLE: ‘Exploring determinants of success of execution of early phase clinical studies with stem cell therapies in patients with ischemic stroke’

CHAIR: A/Prof Anne Hamilton-Bruce, Principal Medical Scientist, Neurology Unit & Co-Director of Stroke Research Programme, TQEH. anne.hamilton-bruce@sa.gov.au

Wednesday 25 April

ANZAC DAY

Please Note:

All Honours and Postgraduate students are required to attend two thirds of BHI Research Seminar Program run between April 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

MAY 2018

BHI Research Seminars
with Invited External Speakers

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 2 May

SPEAKER: Dr Tina Bianco-Miotto, Senior Lecturer, School of Agriculture Food & Wine;
Member, Pregnancy and Birth Theme, Robinson Research Institute & Placental
Development Laboratory, The University of Adelaide
TITLE: 'Maternal high fat diet exposure and prostate cancer risk in offspring'
CHAIR: Dr Joanne Young, Colorectal Cancer Fellow, Dept Haematology-Oncology, Level 1
BHI, TQEH joanne.young@adelaide.edu.au

Wednesday 9 May

SPEAKER: Professor Mark Boyd
TITLE: Combination antiretroviral therapy for HIV-infection: is 2 drugs enough?
CHAIR: Prof Eric Gowans, Head, Virology Research Group, University of Adelaide, Discipline
of Surgery. Level 1 BHI, TQEH eric.gowans@adelaide.edu.au

Wednesday 16 May

SPECIAL visit to BHI

Peter Rathjen, Vice Chancellor, University of Adelaide

11.00 – 11.30am Presentation by Prof Maddern summarising TQEH Research Activity
11.30 – 1.00pm Meet and greet with Vice Chancellor over coffee and sandwiches (attendees:
group leaders and key research personnel)

Wednesday 23 May

SPEAKER: Dr Peter Psaltis, National Heart Foundation Future Leaders Fellow, AMS and Co-
director of the Vascular Research Centre, South Australian Health and Medical
Research Centre
TITLE: Macrophages in atherosclerosis: from stem cells to foam cells
CHAIR: Dr Yuliy Chirkov, Principal Medical Scientist, Cardiology Lab, Level 2 BHI, TQEH
Yuliy.chirkov@adelaide.edu.au

Wednesday 30 May

SPEAKER: Dr John Schejenken, ARC Research Associate, Discipline of Obstetrics and
Gynaecology, AMS, Robinson Research Institute, University of Adelaide
TITLE: Seminal Fluid Signalling in the Female Reproductive Tract: Implications for
Reproductive Success and Offspring Health.
CHAIR: Dr Dan Wijesundara, THRF Early Career Fellow, Virology Research Group,
University of Adelaide, Discipline of Surgery. Level 1 BHI, TQEH
Danushka.wijesundara@adelaide.edu.au

Please Note:

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

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2018

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AUSTRALIA AND
NEW ZEALAND

DAY OF IMMUNOLOGY

2018 Public Lectures at the Basil Hetzel Institute

Friday 27 April at 9am, 10am and 11am

BHI Ground Floor Seminar Rooms

37a Woodville Road, Woodville South



- Breast Cancer: Prevention beats treatment every time
Presented by Mr Joseph Wrin (PhD Candidate)



- Using the immune system to find new targets for bowel cancer
Presented by Dr Kevin Fenix (Postdoctoral Researcher)



- An innovative preventative vaccine to evoke a frontline defence against hepatitis C virus
Presented by Mr Zelalem Mekonnen (PhD Candidate)

**BHI researchers should RSVP to
danushka.wijesundrara@adelaide.edu.au**

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The Institute

basil hetzel institute for translational health research



the hospital
research foundation

finding cures improving care



Australasian Society
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Call for Applications (Submissions by: April 30, 2018)

+ Q&A Sessions for Research Commercialisation Support

Do you have a therapeutic idea that needs development funding?

Does your invention need patent protection?

Do you need commercialisation support?

Medvet Science is now accepting applications from Central Adelaide Local Health Network (CALHN) researchers for project support.

About Medvet Science

Medvet Science helps researchers from the RAH, TQEH, and SA Pathology turn research breakthroughs into medical devices and therapies on the market. We are a private company owned by CALHN, and are the exclusive commercialisation agent for all research conducted within CALHN. We offer CALHN staff:

- Business development,
- Commercialisation advice,
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- Patent filing and funding, and
- Intellectual property guidance.

All CALHN divisions are eligible for Medvet Science's support, including Statewide Services. We have successfully spun-off multi-million dollar businesses, and returned more than A\$44 million to medical research in SA since 1985, licensing technologies to companies now worth over \$1.2 billion.

You can learn more at our website (www.medvetscience.com.au), including summaries of previous and current projects. We can also be contacted directly at medicalresearch@medvet.com.au

We look forward to hearing from you!



International Nurses Day Charity Tour

by Adelaide Cemeteries Authority

Saturday 5th May 2018

11:00 am – 12:30 pm

Location: West Terrace Cemetery, 161 West Terrace, Adelaide, SA 5000

Tickets: \$10 per adult and \$5 per child



Event Description

On the 12th of May each year – the anniversary of Florence Nightingale's birth - we celebrate International Nurses Day, acknowledging the role nurses play in the care of our communities.

In recognition of these amazing people, Adelaide Cemeteries Authority is proud to present:

'The Science and Physicians Charity Tour'

Unlock the stories behind the fascinating and often bizarre characters that helped shape the medical, science and technological world. Some of South Australia's most iconic pharmaceutical entrepreneurs, philanthropists and medical specialists are laid to rest at the state heritage listed West Terrace Cemetery. Come along to our newest tour out and be enthralled by the stories of the iconic South Australians resting at our doorstep.

All money raised through this tour will be donated to The Hospital Research Foundation to fund research at the Basil Hetzel Institute, The Queen Elizabeth Hospital (TQEH). The Hospital Research Foundation also assists PhD Students by issuing scholarships.

Research areas at TQEH covered include: Ageing, Cancer, Cardiovascular Disease, Clinical Sciences, Drug and Vaccine Development and Inflammatory Disease.

<https://www.hospitalresearch.com.au/>

<http://www.basilhetzelinstitute.com.au/>

PUBLICATIONS

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

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With so many South Australian's missing out on tickets in our last lottery we are delighted to share that the Hospital Research Home Lottery is back **BIGGER** than ever before!

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Purchase a ticket today for your chance to live the dream mortgage free: www.homelottery.com.au/

Save the Date to #forkcancer

Have a dinner with friends to #forkcancer! Mark **Saturday July 21** in your calendar and host a dinner with your friends to raise funds towards cancer research. All funds raised will go towards cancer research at the BHI and other research facilities THRF supports.

If that date doesn't suit you have until the end of July to help us #forkcancer!



Riding for Country Cancer Patients



Over 1000 kms was completed from Melbourne to Adelaide to raise vital funds for country cancer patients

On Saturday March 24, THRF along with friends and family welcomed 45 Mercer SuperCyclists home who completed their seven-day journey cycling over 1000km from Melbourne to Adelaide in support of country cancer patients.

Mercer SuperCycle continues to raise much needed funds to provide more family-style accommodation for country cancer patients and their families through THRF's Under Our Roof project.

There's still time if you would like to donate to support the riders, please visit our website: <http://supercycle.org.au/>

Purchase the new 2018/2019 Entertainment™ Book today!

At a great value of just \$70, the new Entertainment Membership is filled with \$20,000 in valuable offers!



When you purchase your membership through THRF, we receive 20% of the proceeds to invest back into lifesaving medical research.

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