




The Institute

basil hetzel institute for translational health research

MONTHLY BULLETIN FOR TQEH RESEARCH COMMUNITY

WINNING NEWS

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BHI Annual Research Update Tuesday 5 December

When: Tuesday 5 December 12.30 – 1.30pm (light lunch available from 12:15pm)

Where: Ground Floor Seminar Rooms, BHI

Speaker: Prof Guy Maddern, Head of University of Adelaide Discipline of Surgery, TQEH and Director of Research, TQEH

Title: 2017 TQEH Research Activity Review

Speaker: Prof John Beltrame, Head of University of Adelaide Discipline of Medicine, TQEH & Director of Research, CALHN

Title: CALHN Research Update 2017

Please contact gwenda.graves@sa.gov.au if you have any queries about the presentation.



Season's Greetings

At the BHI, 2017 has again seen over 300 publications produced, 16 PhDs completed, 74 refereed grants administered and extraordinary support from The Hospital Research Foundation.

As we head into the festive season, reflect on your 2018 NHMRC grant applications and have a safe and successful Christmas and New Year.

My best wishes to all at the BHI and their families,

Guy Maddern

Director of Research

Basil Hetzel Institute, TQEH

DECEMBER 2017

ISSUE 107

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BHI SEMINARS

Tuesdays 1pm
Staff Seminars
(final seminar on Tues 12 December)

Thursdays at 9am
Postgraduate Student Seminars
(final seminar on Thurs 7 December)

UPCOMING EVENTS

Tues 5 December, 12:30pm
BHI Annual Research Update

Thurs 12 December, 8:30am
BHI Policy Meeting

Thurs 21 December, 1pm
End of Year Celebration

BHI HUB

From the BHI Facility Manager Kathryn Hudson

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



The final edition of Winning News provides an opportunity to reflect on the past year. BHI researchers have continued to produce quality research in a challenging environment. Some notable achievements from 2017 were:

- Over 310 peer reviewed publications involving BHI staff and students
- 16 BHI based PhD students completed, with an additional three submitted for examination
- Two BHI based Honours students completed
- Over 74 refereed grants running at TQEH during 2017
- In excess of 30 discrete media stories about TQEH research across TV, print, online and radio
- At least 21 THRF arranged community presentations by BHI researchers, including the THRF showcase presented on TQEH Research Day which had overwhelmingly positive feedback from THRF supporters and donors who attended.
- Award of the first Basil Hetzel Translational grant by THRF as part of \$2.7million in grant funding for TQEH based research
- Expansion of the West End Biomed city with relocation to the new RAH and opening of the Adelaide Health and Medical Sciences building

From the BHI Communications Officer Rebecca Anderson

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



Final BHI seminars for 2017

The final Postgraduate Student Seminars will be given on:

- Thursday 7 December by Guilherme Pena (Vascular Surgery) & Giri Krishnan (ENT Surgery)

The last Staff seminar for this year will be given on:

- Tuesday 12 December by Dr Joanne Dollard (G-TRAC)

2017 BHI Research Report

All research group leaders should have received requests to complete and update 4 forms (Parts A-D) for the 2017 BHI Research Report. The deadline for information to be returned is Friday 22 December. Thank you for your assistance.

NEWS

BHI Alumni



We wish the following people well in their new adventures and look forward to hearing about ongoing collaborations with researchers at the BHI.

Ruth Battersby will still be working as a doppler technician and the Clinical Trials Coordinator for Prof Rob Fitridge in Vascular Surgery but is now based at the RAH (currently Mondays, Thursdays and Fridays), although she does spend Tuesdays at TQEH! ruth.battersby@adelaide.edu.au



Dr Carol Lang (Postdoctoral Research Fellow, The Health Observatory) is hoping to start up a freelance research/writing consultancy in the new year. She is keen to remain involved in research in a part-time capacity and would love to hear about any project she could assist with. carol.lang@adelaide.edu.au



Ana Macedo (Therapeutics Research Centre) submitted her PhD thesis a couple of months ago, after which she continued to work in the TRC. She has recently been offered an Academic position in The Research Center for Biosciences & Health Technologies (CBIOS) in University Lusofona, Lisbon, Portugal. Her main duties will include teaching Pharmacy undergraduates and carrying out research in the field of topical drug delivery. This is the largest private education group in Portugal and in the Lusophone (i.e. Portuguese speaking) space. Besides teaching in all fields of knowledge, this University has several research units. Many of these units are recognised by European funding bodies and actively promote the creation and transfer of knowledge and skills. ana.macedo@mymail.unisa.edu.au



Clare McNally (PhD student, Adelaide G-TRAC) has accepted a position as Lecturer in Oral Health at the University of Melbourne which begins in January. Clare will be finalising her PhD through the University of Adelaide next year. clare.mcnally@adelaide.edu.au

BHI End of Year Celebration Thursday 21 December

All BHI, TQEH researchers and support staff plus THRF staff welcome!

When: Thursday 21st December at 1pm.

Where: BHI atrium

What: Roast lamb on the spit prepared and cooked by our resident chefs

Lamb and a limited selection of drinks will be supplied

What to bring: Please bring a salad or sweet to share

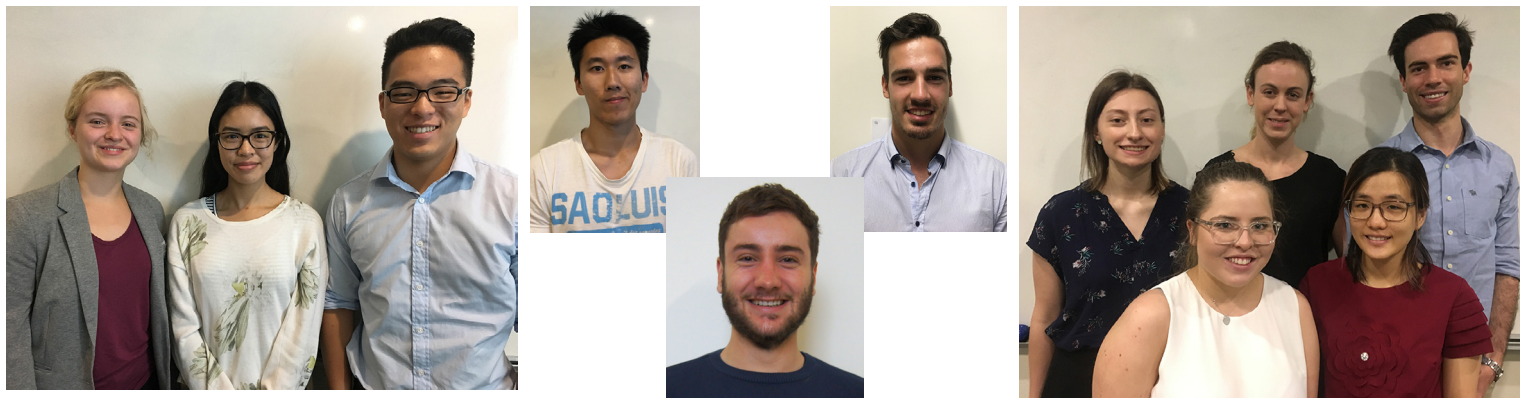


The range of salads will be wide and varied – so vegetarians will be well catered for. But please speak to Kathryn if you have a specific dietary requirement.

Please also feel free to invite BHI alumni - any staff and students who have previously worked at BHI!

Vacation Summer Students 2017 - 2018

The following Vacation Summer Students have commenced their short-term projects at the BHI, TQEH. All but Sean (who completed his honours degree in the Therapeutics Research Centre this year) are new to the BHI. Please make them feel welcome!



L-R: Ella Obst, Linh Thai, Sam Tu, Kim Le, Sean Mangion, Bora Nadlacki, Imogen Sellars, Lauren Footner, Harrison Bolt, front right: Emily Hammond and Kay Hon. Raghav Goel is not pictured.

Name	Supervisors/Department	Project Title
Samuel Jie TU	John Horowitz/ Cardiology	Anti-aggregatory mechanisms in patients with coronary spasm
Imogen SELLARS	Betty Sallustio, Susan Lester/ Clinical Pharmacology and Rheumatology	The validation of an assay to determine plasma prednisone and prednisolone concentrations using mass spectrometry and chromatography
Kay Yee HON	John Beltrame, Rosanna Tavella, Sivabaskari Pasupathy/Medicine	Comparison of electrocardiographic (ECG) characteristics between MINOCA and MI-CAD
Ella Karoline OBST	John Beltrame, Rosanna Tavella/Medicine	Clinical Determinants of Co-existing Coronary Artery Disease in patients with Severe Aortic Stenosis
Linh THAI	Rosanna Tavella, John Beltrame/Medicine	Five Year Trends in Cardiac Care in South Australian Public Hospitals
Raghav GOEL	Markus Trochsler; Harsh Kanhere/Surgery 6A	Laparoscopic Bariatric Surgery: a public hospital experience over 10 years
Kim LE	Ehud Hauben; Chandra Kirana/ Surgery labs	Circulating HLA-G as predictive marker of response to chemotherapy in colorectal cancer patients
Sean MANGION	Lydia Sandiford/Therapeutics Research Centre	Towards a better understanding of zinc pyridothione (ZnPT) follicular delivery
Lauren FOOTNER	Sarah Vreugde/ ENT	Protein A project
Emily HAMMOND	Sarah Vreugde/ENT	Defining a new treatment for CRS
Harrison BOLT	Sarah Vreugde/ENT	FOXP3 expression in the sinonasal mucosa in relation to CRS disease.
Bora NADLACKI	Isuru Ranasinghe/ Medicine	Long-term Mortality Following Hospitalisation for Acute Myocardial Infarction in Australia and New Zealand

ENT Group attends meetings in Chicago

American Rhinologic Society Annual Meeting, 8th – 9th September, 2017

American Academy of Otolaryngology - Head and Neck Surgery Annual Meeting, 10th -13th September, 2017



L-R: BHI ENT Surgery researchers Dr Mian Ooi, A/Prof Sarah Vreugde, Dr Stephanie Fong, Dr Sathish Paramasivan, Dr Daniel Cantero (BHI Alumni, now working as an ENT Consultant in Santiago, Chile), Dr Mahnaz Ramezanpour, Dr Ahmed Bassiouni (BHI Alumni, now an ENT Registrar at the Lyell McEwin Hospital), Dr Phil Chen (ENT Consultant in Texas, who did a one-year fellowship at TQEH in 2012-2013), and Jonathan (an ENT surgeon from Canada).

The American Rhinologic Society and American Academy of Otolaryngology-Head and Neck Surgery annual meetings are the largest academic congregation of experts in ear, nose and throat (ENT) surgery. This year saw over 5,000 delegates from every corner of the world converge on the city of Chicago for an update on the frontiers of ENT clinical and scientific progress. A highlight of our Calendar each year, the ENT research team at the Basil Hetzel Institute heard from the leading experts in our field with topics covering the entire breadth of translational research. Of particular interest to us was the two-day ARS conference which, this year, had a strong focus on the pathophysiology of chronic rhinosinusitis as well as the role of the sinus microenvironment on disease progression.

Our department had strong representation at this year's meeting with multiple scientific oral presentations given by students and supervisors alike. Steph Fong (2nd year PhD candidate) presented her work on Bacteriophage and their role in eradicating *Pseudomonas* biofilms. One of our leading scientists, Mahnaz Ramezanpour, discussed the impact of novel treatments on the sinus epithelial barrier. Final year

PhD candidate Mian Ooi updated the audience on her clinical trial investigating the use of colloidal silver for severe chronic rhinosinusitis. I was fortunate to present my work on tertiary lymphoid organs and their presence in the sinuses of CRS patients. These talks were interspersed by those given by our Chief Scientist, A/Prof. Sarah Vreugde, on the importance of IL-13 on new bone formation in CRS as well as plenary lectures and panel discussions given by A/Prof. Alkis Psaltis and Prof. PJ Wormald.

Overall, the conference was a great opportunity for our unit to appreciate the breadth of research being conducted in rhinology around the world, share ideas with our ENT colleagues, and network with our international collaborators. Of course, we could not travel all the way to America without sparing just a few moments to explore the beautiful architecture, deep dish pizzas and blues bars of Chicago!!

Dr Sathish Paramasivan, PhD student
ENT Surgery
The University of Adelaide and Basil Hetzel Institute, TQEH.

THRF Travel Award report: Dr Branka Grubor-Bauk

Dr Branka Grubor-Bauk, Postdoctoral Researcher, Virology Group
The University of Adelaide and Basil Hetzel Institute, TQEH

Attended the Annual Congress of the International Society for Vaccines, Pasteur Institute, Paris, France, 5-7 October 2017



The Birthplace of Vaccinology - the Pasteur Institute, Paris, France

I had the pleasure of attending the 2017 Annual Congress of the International Society for Vaccines (ISV) which was held at the iconic Pasteur Institute, Paris, the birthplace of vaccinology. This is the world's largest scientific conference in the field of vaccines and this year it was held in conjunction with the International Society for DNA Vaccines, which is of great importance to the Virology Laboratory as we develop novel DNA vaccines against HCV, HIV and ZIKA viruses.

Early plenary presentations by world leaders in vaccinology emphasised the problems currently encountered by World Health Organisation (WHO) and the field of vaccinology on a global scale, where coverage with existing vaccines in developing countries is not complete, while in developed countries there is a greater increase of "vaccine objectors" and issues affecting usage. Since 2010-2014 measles vaccination alone, prevented ~17.1 million deaths, yet in 2014 WHO recorded 114,900 deaths globally: that is 13 deaths every hour; all due incomplete vaccine coverage. Issues facing developed countries such as Australia and France (as France has one of the lowest rates of immunisation in the world) are mainly that "vaccines are a victim of their own success", coupled with false claims of autism where the pseudo-science has been debunked but beliefs persist.

One of the most interesting plenaries was on how the WHO established the R&D Blueprint and the key role it played

during the most recent outbreak of Ebola in West Africa. In a nutshell, the WHO R&D Blueprint is a global strategy and preparedness plan that allows the rapid activation of R&D activities during epidemics. Its aim is to fast-track the availability of effective tests, vaccines and medicines that can be used to save lives and avert large scale crisis – all done by increased funding, data sharing and partnerships.

At the conference I gave an oral presentation on the findings from the studies in our laboratory using mucosal delivery of recombinant rhinovirus and DNA vaccine against HIV. I also presented a poster on the immunogenicity of our novel cocktail cytolytic DNA vaccine regimen against HCV. These projects would not have been possible without the direct funding by The Hospital Research Foundation. It was comforting to see that the research conducted at the BHI is at the cutting edge of science and is well received by an international audience.

As a direct result of these presentations I established new collaborations. One with the laboratory of A/Prof Linda Klavinskis – from King's College in London, United Kingdom; who conducts research into HIV vaccines; and with their help we will set up new techniques on how to collect and detect a specialised subset of T cells from vaginal mucosae; and they will help us set up our fluorescent target array developed by Dr Danushka Wijesundara in our laboratory,

THRF Travel Award report: Dr Branka Grubor-Bauk (continued)

as a direct assessment of our vaccine's efficacy in vaginal mucosa - using their advice and guidance.

Probably the most exciting aspect of my HIV talk was, that our HIV vaccine work caught the interest of a Program Officer for the Global Health, Discovery and Translational Sciences (Vaccines) at the Bill and Melinda Gates Foundation and we are currently in the process of preparing a proposal for the Bill and Melinda Gates Foundation, as requested.

The HCV cytolytic DNA cocktail poster presentation, resulted in direct collaboration with the laboratory of Dr Maria Isaguliantis, from Karolinska Institute in Sweden. Her laboratory will use our novel cytolytic DNA vaccine to improve the immunogenicity of their target antigens and Dr Isaguilantis is planning to send a staff member to our laboratory to conduct some research here, which they are unable to do at Karolinska; hopefully enhancing this collaboration even further.

Virology Laboratory was last year awarded a National Foundation for Medical Research and Innovation grant for novel DNA vaccines against Zika virus and while I didn't present any of this work at the conference, the ISV conference devoted half a day to a session on ZIKA vaccines. As the ZIKA research field is relatively new and uncovered, it moves at a ridiculously fast pace due to the urgent need for a vaccine as the WHO declared ZIKA a global health emergency.

I used this opportunity to connect with the Research Director from Dr Dan Barouch's laboratory at the Center for Virology and Vaccine Research, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, USA - one of the most prominent laboratories in the world of HIV and ZIKA vaccines. They were very interested in our ZIKA vaccine findings and this has now resulted in an official collaboration. We have started joint experiments and are testing our ZIKA vaccine's efficacy in both laboratories; both here at the BHI and at their laboratory in Boston.

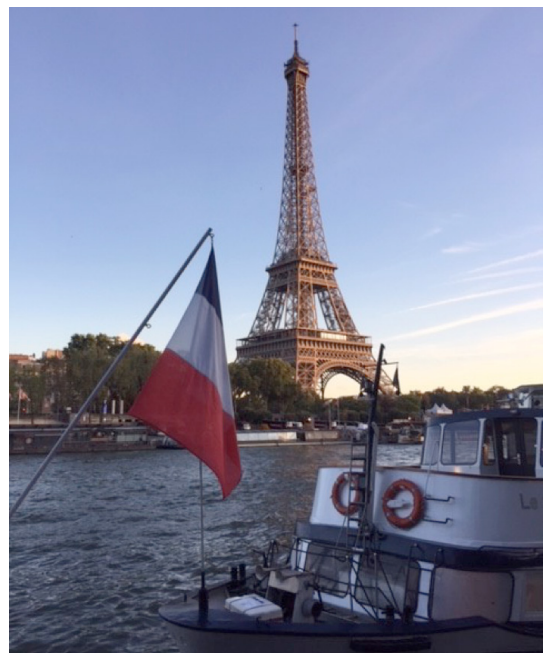
Attending the conference at the Pasteur Institute gave me the opportunity to meet with Dr Matthew Albert and Dr Pierre Charneau and discuss our plans on moving the HCV vaccine into a pre-clinical efficacy study, as for the first time we now have an opportunity to test the efficacy of our vaccine in a



proper "viral challenge"; also supported by most recent funding from the THRF.

This fantastic congress, was finished with a great conference dinner, which was on board the Le Paris boat and a memorable sunset cruise down the Seine River.

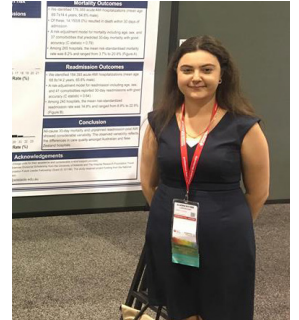
I would like to thank The Hospital Research Foundation for funding my travel to the ISV Congress. It has been a fantastic conference to learn about new advancements in the vaccine field. Importantly the presentations of our findings from the Virology Laboratory have already resulted in some fantastic collaborations that will most definitely accelerate and advance our research here at the BHI.



THRF Travel Award report: Clementine Labrosciano

Clementine Labrosciano, PhD student, Health Performance and Policy Research Unit & Translational Vascular Function Research Collaborative
The University of Adelaide and Basil Hetzel Institute, TQEH

Attended the American Heart Association conference, Anaheim, California, USA
Visited Professor Noel Bairey-Merz, Cedars-Sinai Medical Centre, Los Angeles, California, USA
10th-15th November 2017



I attended the American Heart Association conference with John Beltrame, Chris Zeitz, Rosanna Tavella and Tharshy Pasupathy. Rosanna, Tharshy and I all presented posters and Prof Beltrame spoke about the management of women with MINOCA and ANOCA. My poster was on variation in early death and readmissions following acute myocardial infarction hospitalisations in Australia and New Zealand. There is a lot of big data research being done in the US so it was good to see how other researchers were using data and to learn about the topics they were looking into. Tharshy's poster on the utility of clinical assessments in patients presenting with troponin positive non-obstructive coronary arteries (TP-NOCA) received a lot of attention. It was good to see how she handled all the questions and great to see her work getting so much publicity. Rosanna's poster was a comprehensive comparison between myocardial infarction with obstructive coronaries (MINOCA) and myocardial infarct patients with coronary artery disease (MICAD) and was also a hot topic at the conference.

This was my first international trip and conference. The first thing that surprised me was the size of the conference. It was huge and admittedly I did get a bit lost. At the conference, I

got the chance to meet former BHI student, Rachel Dreyer, who is now an A/Prof at Yale. I attended her talk on gender differences in cardiovascular disease. It was great to spend some time with a past colleague and get some career advice from her.

I also spent some time talking to people from the PORTRAIT study, which was my honours project. It was great to finally meet these researchers in person because we have been collaborating for a few years via email.

On our last day, we travelled to Cedars-Sinai Medical Centre (a hospital in Los Angeles) to meet with Professor Noel Bairey-Merz. We arrived early and took a walk down Rodeo Drive which was spectacular. At the hospital we spent a few hours talking to Noel about her projects and ours and potential future research. Their research labs and offices are located (on a separate level) within the hospital. Something that I found amusing was that all the doctors wore white coats, just like on TV.

Rosanna, Tharshy and I took the Saturday to go to Disneyland, it was a magical day and it was a place that I have wanted to go to since I was a small child.

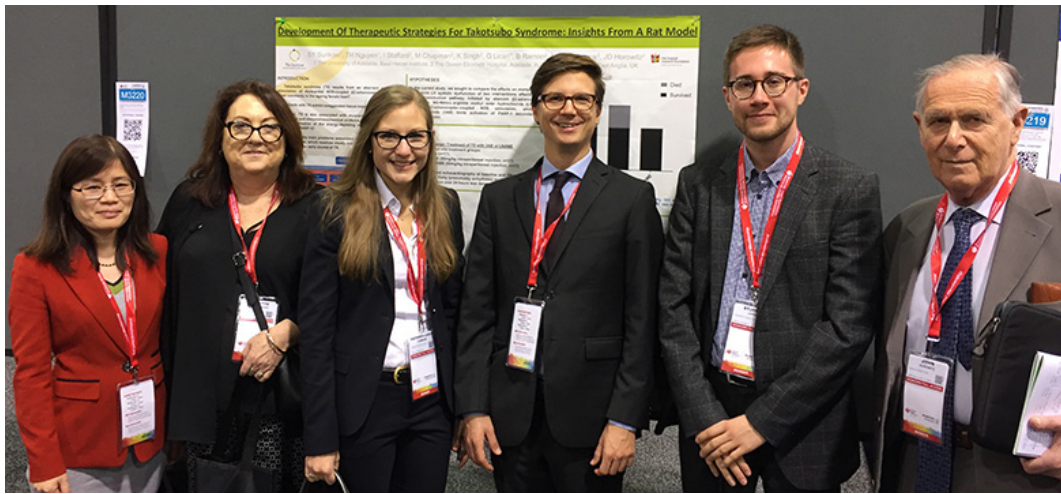
I am really grateful to THRF for supporting me with this Travel Award.



Clementine (3rd from right) and fellow BHI researchers Chris Zeitz, John Beltrame, Rosanna Tavella and Tharshy Pasupathy, visit Professor Noel Bairey-Merz (far right) and her group at the Cedars-Sinai Medical Centre in Los Angeles.



American Heart Association Scientific Meeting

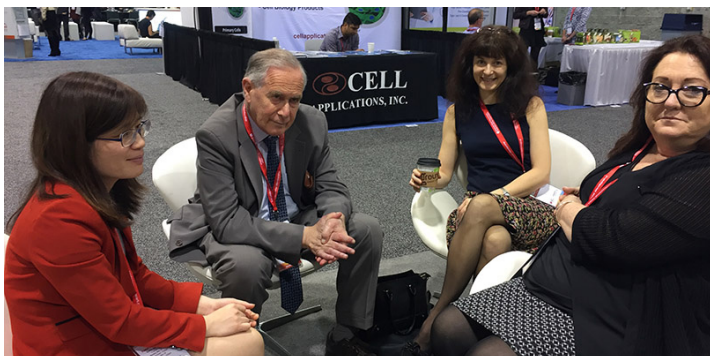


Dr Ha Nguyen (far left) and Professor John Horowitz (far right) meet with representatives of the Takotsubo Registry based in Zurich, Switzerland, at the AHA meeting in Anaheim.

The American Heart Association (AHA) Scientific meeting is the second largest cardiac meeting world-wide and the most prestigious with regards to mechanisms of cardiac disease. This is one of only two meetings world-wide that achieves extensive consideration of both basic science developments and the emerging translational applicability of these developments. This year it was held in Anaheim, California, USA from 11-16 November.

Four abstracts from the Cardiology Unit, TQEH were presented. They included analyses on:

1. Determinants of long-term mortality in primary and secondary Takotsubo syndrome (TS)
2. Development of therapeutic strategies for TS: insights from a rat model
3. Potential implication of glycocalyx shedding in acute atrial fibrillation: this is a novel research direction with strong implicit therapeutic applicability.



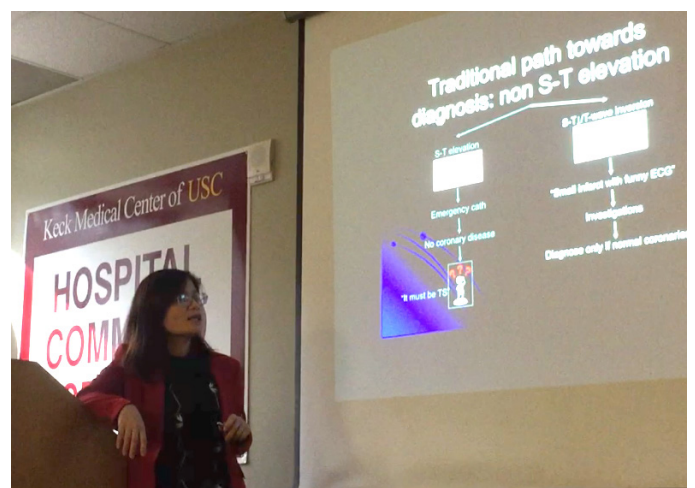
Dr Ha Nguyen and Professor John Horowitz meet with collaborator Dr Dana Dawson from the University of Aberdeen, UK.

The AHA meeting was also a great opportunity for Professor John Horowitz and I to liaise with key researchers and conduct discussions around setting up long-term collaborations with other research groups.

Apart from attending the AHA meeting, I also gave a grand round talk on Takotsubo Syndrome in the department led by Professor Uri Elkayam in the Division of Cardiovascular Medicine, Keck School of Medicine, University of Southern California.

Dr Ha Nguyen

Cardiovascular Pathophysiology and Therapeutics Group
Cardiology Unit, TQEH



Dr Ha Nguyen presents research results at the Grand Round for the Keck School of Medicine at the University of Southern California.

Zika Virus meeting at the BHI



L-R: BHI Virology Group researchers Professor Eric Gowans, Dr Ashish Shrestha, Dr Branka Grubor-Bauk, with other Zika virus researchers Dr Kylie van der Hoek (The University of Adelaide), Dr Nick Eyre (The University of Adelaide), Dr Jill Carr (Flinders University) and Ms Rosa Coldbeck-Shackley (The University of Adelaide). Dr Natalie Prow, from the University of South Australia, also attended the meeting.

Zika virus disease is caused by a virus transmitted primarily by mosquitoes. Most people experience a very mild infection without any complications. However, it is now known that Zika virus may be passed from a woman to her unborn baby. This can cause potentially serious consequences for the baby, in particular a condition called microcephaly (a small head and brain). Microcephaly is just one of the signs and symptoms of congenital Zika virus syndrome (CZVS) that can be present at birth or appear later in infancy such as seizures (fits), irritability, swallowing problems, hearing and sight abnormalities. In 2016 The World Health Organisation declared the Zika virus to be an international public health emergency as the disease linked to thousands of suspected cases of birth defects in Brazil spread rapidly.

On Friday 24th November The Hospital Research Foundation (THRF) proudly supported a meeting at the BHI that brought together all the researchers in Adelaide who are working on ZIKA virus – from University of Adelaide, Flinders University and University of South Australia. The meeting was very informative as it brought together different research groups to discuss their current research on Zika virus; investigating how Zika crosses the placental barrier in pregnancy, how

it infects the eye, how to screen new drugs to prevent Zika infections, how ZIKA avoids our immune system to establish infection and development of novel vaccines for Zika prevention.

Zika virus research is a rapidly moving field of medical research and as such it is important that new collaborations are established to increase the speed of new results available to health organisations around the world. This ZIKA meeting enabled Adelaide scientists to establish collaborations with each other and exchange ideas, which would not have been possible without the help and support of the THRF.

New Equipment: Beckman High Speed Centrifuge

The BHI was successfully awarded funding for a Beckman High Speed Centrifuge in the recent 2017 FHMS Research Infrastructure Funding round (\$33,000) co-funded by The Hospital Research Foundation 2017 BHI Equipment allocation (\$15,000) as part of a joint application from the BHI Management Committee.

The high speed centrifuge will be available to all BHI researchers as core equipment and replaces three models that were over 30 years old! The centrifuge has been purchased with the following fixed angle rotors and adapters

JA-14.50	Conical bottomed tubes (disposable)	50ml x 16	Max speed = 14,000 rpm/35,000g
JA-25.50	Round bottom Beckman tubes	50ml x 8	Max speed = 25,000 rpm/75,600g
Adapters JA-25.50	Round bottom Beckman tubes	10ml x 8	Max speed = 25,000 rpm/75,600g
JLA-16.250	Beckman bottle	250ml x 6	Max speed = 16,000 rpm/38,500g



Virology Group PhD student Zelalem Mekonnen

The modern centrifuge and rotors also have better 'K factors' than the old rotors you were using. This can reduce your run times, see table below. Lower K factor is better. For more information about rotors contact Brett Siddall from Beckman, on mobile 0401 452 050 or bsiddall@beckman.com

Rotor	K factor	Modern Equivalent	K factor	60 minute run-time equivalent
JA-14	1,764	JLA-16.250	1,090	37 mins
JA-17	690	JA-25.50 (8 x 50ml)	498	44 mins
		JA-14.50 (16x50ml)	787	69 mins

The centrifuge is located in level 1 south equipment room. For training and information please contact Irene Stafford (ext 27635, irene.stafford@sa.gov.au) or Zel Mekonnen (zelalem.mekonnen@adelaide.edu.au).

Research Groups that will benefit enormously from using this high speed centrifuge include the:

- Virology Group
- Cardiology Unit - including the Cardiovascular Pathophysiology and Therapeutics Group, and
- Clinical Pharmacology Unit

Christmas Close Dates for 2017

Staff	Final workday for 2017	Reopens in 2018
BHI Research Secretariat (Gwenda)	Wednesday 20 December	Monday 15 January
BHI Facility Manager (Kathryn)	Thursday 21 December	Tuesday 9 January
BHI Communications Officer (Rebecca)	Thursday 14 December	Wednesday 10 January
CALHN Research Office (including Human Research Ethics and Governance)	Friday 22 December	Tuesday 2 January
Biomedical Engineering	Business as usual (not available public holidays)	Business as usual
Liquid nitrogen facility	Wednesday 20 December	Thursday 11 January Retrievals only on Thursday in January
Store deliveries	Thursday 21 December	Tuesday 2 January
Mail deliveries	Friday 22 December	Tuesday 2 January

Access and Front Entrance: Due to low staffing levels between the 24th December and January 2nd the front doors of the BHI building will be on 'after hours mode', so you will need your ID badge to enter the building during the day. For access issues, please contact Security on x27222.

Building maintenance and faults: Any urgent building faults please call x25800. Other requests should be reported using FAMIS at <http://hlt797vmw007:8522/FRRS/start.do> (Site: The new basil hetzel complex, cost centre 11650). Non urgent requests will be actioned by Kathryn after January 10.

The **Central Liquid Nitrogen facility** will also be closed over the New Year period. The last deposits and retrievals will be processed in the morning of Wednesday December 20th. This gives us a chance to defrost and clean the temporary storage dewars. All samples must be retrieved from the box **by lunchtime Thursday 21st December**, or they will be disposed of.

The first retrieval for the new year will occur on **Thursday January 11th**. Due to the LN2 team taking leave, during January database requests will be processed **Thursday**, so please coordinate your work appropriately. Any urgent requests or queries should be emailed to Kathryn.hudson@sa.gov.au or eric.smith@adelaide.edu.au

Deliveries: The last delivery to the BHI will occur on Thursday 22nd December, and the first delivery for the new year will occur on Tuesday 2nd January. This includes stock, imprest and non-stock items. Please make a note of this, especially if ordering frozen or fridge items, you may wish to process your order in early December or wait until the new year. You can contact the TQEH main delivery dock on x26606 for any urgent items during this period.

TQEH ordering: Remember to set up you Basware and Oracle vacation rules if you are taking leave.

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

Rheumatology Award to Fiona Chan

Dr Fiona Chan, Clinical Trainee in the Rheumatology Research Unit, received an award for the Best Clinical Science Presentation at the South Australian meeting of the Australian Rheumatology Association in November. Fiona also won the Best Oral Presentation by a Clinical Trainee at our last TQEH Research Day (*photo: accepting her award from THRF CFO Anna Nolan*).



Baby boy for Hasan



Congratulations to **Hasan Imam**, PhD student in the Cardiovascular Diseases, Pathogenesis and Therapeutics Group, and his wife Monira on the birth of Ibrahim Hasan on Saturday 21 October. Hasan and Monira already have a daughter, Unysha.



Clementine attends Qld meeting



Clementine Labrosciano, PhD student in the Health Performance and Policy Research & Translational Vascular Function Research Collaborative, received a travel grant from The University of Adelaide medical school to attend the Health Services and Policy Research Conference at the Surfers Paradise Marriott, Gold Coast, Queensland, from 1-3 November.

She presented 3 posters on the ORION study methods, heart failure mortality and readmissions, and heart attack mortality and readmissions. She also presented a talk on coronary artery bypass graft mortality rates in Australia and New Zealand.

Clementine said "It was a really interesting conference to attend because it gave perspectives of policy from all areas of medicine. One of the invited speakers was Ian Frazer, who was the Australian of the year a few years ago and was the developer of the cervical cancer vaccine. It was great to hear how he is working with the government to remind them of the importance of continuing to fund medical research in Australia."

COMMUNITY ENGAGEMENT



the hospital
research foundation

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

Coast FM - Dr Danielle Taylor

Coast FM's David Hearn interviewed THRF Mid-Career Research Fellowship recipient **Dr Danielle Taylor** (Adelaide G-TRAC) about her background in geography and what she hopes to achieve through her fellowship research. As Danielle's first exposure to radio interviews she found the experience a valuable opportunity to communicate her research to a broader audience, and hopes the listeners enjoyed hearing about her aim to produce information that can assist everyone living longer healthier and more fulfilling lives in the comfort of their own homes and communities.

If you are intersted in participating in an interview next year, please get in touch with The Hospital Research Foundation.



Fresh Science Award - Dr Katharina Richter



Kati explains her research in the time it takes a sparkler to burn! photo credit: Fresh Science SA

The annual national "Fresh Science" program comprises in-depth media training for young researchers on how to profile their science to those who make, buy, and produce science for television, radio and print media. This year, **Dr Katharina Richter** (ENT Surgery) was selected as one of South Australia's 10 "Fresh Scientists". In early November, these young scientists had ample opportunities to practice their spiels in mock-interviews with journalists during a day of media and communication training. They also took part in a forum with high school students. This year the grand final for the Fresh Science SA competition was held at the Lion Hotel in North

Adelaide. Here, each scientist had to pitch their work to the audience in the time that it takes a sparkler to burn! Kati won the Best Science Communicator Award with her "A double-whammy fighting superbugs". She said of her involvement, "Fresh Science was an incredible, eye opening experience on how to work with different media platforms to bring your story from the lab to the real world. Essentially, I most feared and enjoyed the school kids forum, it turned out the kids had very challenging questions and at the same time they were greatly inspired by the Fresh Scientists." For more information about the program visit <http://freshscience.org.au/events/south-australia>



SA's 2017 Fresh Science participants. photo credit: Fresh Science SA

GENERAL INFORMATION

STATISTICIAN AT THE BHI

Dr Stuart Howell works at the BHI on Tuesdays and Thursdays. He is available and can be consulted by TQEH/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 & Thursdays
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Dr Stuart Howell
Senior Statistician
Data, Design and
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Adelaide Health
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TQEH Librarians

A librarian from the SA Health Library Service, The Queen Elizabeth Hospital Campus, is available to assist you with constructing suitable literature and database searches for your research requirements and to 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.

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. In the new year they will resume their visits to the BHI.

Alternatively, visit our website at <http://salus.sa.gov.au/salus> to view our services and resources or use the quick online chat option to contact us. To access any of the electronic resources you will need to register for a SALUS username and password with the library.

Roy Sneddon: 1st Thursday of each 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 afterwards to speak to postgraduate students about anything concerning their candidature.

You will find Roy at the Ground Floor hot-desk computer!

Roy can also be contacted at any time:
roy.sneddon@adelaide.edu.au



GENERAL INFORMATION CONTINUED

TQEH Human Research Ethics Committee (TQEH/LMH/MH) Submission and Meeting Dates for Applications 2017

Final Submission Date	SRS Meeting	HREC Meeting
Mon 23 January	Tues 7 February	Mon 13 February
Mon 13 February	Tues 28 February	Mon 6 March
Mon 20 March	Tues 4 April	Mon 10 April
Tues 18 April	Tues 2 May	Mon 8 May
Mon 15 May	Tues 23 May	Mon 5 June*
Mon 19 June	Tues 4 July	Mon 10 July
Mon 24 July	Tues 8 August	Mon 14 August*
Mon 21 August	Tues 5 September	Mon 11 September
Mon 18 September	Tues 3 October	Mon 9 October*
Mon 16 October	Tues 31 October	Mon 6 November
Mon 20 November	Tues 5 December	Mon 11 December*

* Note: If required. Meeting could be moved to alternate HREC if not enough submissions.

For more information please contact:

Mrs Heather O'Dea

Executive Officer, Team Leader

Human Research Ethics Committee (TQEH/LMH/MH)

CALHN Ethics Committees

Heather.O'dea@sa.gov.au or health.CALHNResearchEthics@sa.gov.au

CALHN Animal Ethics Committee

Last date to submit a new application to PRE-SCREEN	Last day to submit final application without PRE-SCREEN	Date of AEC Meeting
8 November 2017	15 November 2017	Wednesday 29 November 2017
2018 Dates (only two confirmed)		
3 January	10 January	Wednesday 24 January 2018
14 February	21 February	Wednesday 7 March 2018

contact: Amy Brunato, Secretary SA Pathology/CALHN AEC Committee
SAPathologyAEC@sa.gov.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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The Institute

basil hetzel institute for translational health research

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Christmas Greetings

On behalf of the entire THRF team, we wish you and your family a very Merry Christmas and a wonderful and happy New Year!

It has been another successful year as we continue to strive to support and advocate world-leading medical research into the prevention of disease and improving patient care throughout South Australia.

We look forward to continuing to support lifesaving research at the BHI and working together to improve care for our community.

Christmas Carols Continuing to Support Your Research!



Alex and her OSGF are ready for another year of Christmas Carols to raise funds for medical research!

Continuing her Christmas spirit once again, THRF Ambassador Alex Vakitsidis and her Olympic Spirit Greek Friends (OSGF) will be singing their way through local shopping centres and door knocking to raise funds to support your research at the BHI!

The ladies will be working tirelessly from December 6 all the way through to December 29 beginning from 10am until 8pm!

Alex has been continuing this tradition for an amazing 25 years, raising an incredible amount of funds towards medical research and patient care in South Australia.

Centre for Creative Health Launches at the RAH

THRF is thrilled to announce the launch of our brand new affiliate the Centre for Creative Health (CCH).

The CCH aims to improve the quality and experience of healthcare through art and design, from living a healthy lifestyle, through to prevention, treatment, recovery and end of life care.

Based at the Royal Adelaide Hospital (RAH), the CCH will enhance the art already integral to the world-class hospital by providing best-practice arts and design programs, projects and other creative initiatives to the Central Adelaide Local Health Network (CALHN).

In support of improving patient care for our community, CCH will support the creation of a healing environment for all hospital patients through rotating exhibitions of artwork, performances and other activities along with establish art, music, dance and writing residencies. Aligning with THRF's vision to support research dedicated to improving outcomes for patients, CCH will also fund vital research to better understand, educate and inform on the benefits of art for our healthcare system.

World-leading Transplant Research Supported by THRF

In partnership with affiliate Kidney, Transplant and Diabetes Research Australia (KTDR), THRF is thrilled to direct \$330,000 to ensure six more pancreatic islet auto-transplants can take place at the Royal Adelaide Hospital, saving the lives of people living with severe and hereditary pancreatitis.

Since 2015, THRF and KTDR have enabled five pancreatic islet auto-transplants to be performed by Professor Toby Coates and his world-class team, cementing the RAH's position as the only hospital in Australia offering this lifesaving procedure. The procedure involves removing the patient's diseased pancreas, extracting the insulin-producing islet cells from the pancreas and re-infusing these back into the liver to reduce the risk of diabetes. This ground-breaking operation changed the life of 18-year-old Chelsea Holloway who was diagnosed with pancreatitis at the age of 10. Now Chelsea is living without the daily pain she was suffering with before, truly saving her life.



Chelsea and Gavin are two patients who have undergone this life-changing procedure in Adelaide

For over 50 years THRF has been proudly supporting renal transplantation research, and in the last 10 years have supported Professor Toby Coates and his world-class team's ground-breaking research into kidney disease and more recently islet transplantation.

What can THRF do for you ?!



Behind the scenes with Alex and Andreas and channel 9 presenter Jessica Stanley and camera crew

Do you want to share your research with the community but not quite sure where to start? THRF is here to help you!

The opportunities to promote yourself and your achievements through THRF are endless – local/national television and radio, newsletters, community presentations, website and social media just to name a few!

You may have spotted a number of local news crews around the BHI this year as THRF's Communications team coordinated TV media stories on the current research being undertaken, including the announcement of Professor John Beltrame's inaugural Basil Hetzel Translational Grant and also Professor Andreas Evdokiou's research on bone regeneration.

If you are a little wary of camera, then print or radio might be the best place to start!

This year, you may have seen an article in The Advertiser on Professor Peter-John Wormald's research supported by our recent Development Grant. Prof Wormald is developing a gel now used during nasal surgery into a new treatment to prevent the formation of adhesions following back surgery.

Each month THRF also has a regular segment with South Australian community radio station Coast FM with radio presenter Dave! This is a great way for you to share your research with a lay audience in a relaxed, fun and informal manner.

You'll often see our Communications team, Abbey, Kate and Antonia around the BHI and we are always happy to discuss opportunities with you. If you're eager to share your story with our team or the wider media or have any questions please contact us at acosta@hospitalresearch.com.au. We would love to hear from you!