



The Institute

basil hetzel institute for translational health research

MONTHLY BULLETIN FOR TQEH RESEARCH COMMUNITY

# WINNING NEWS

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## NHMRC Ideas Grant awarded to Associate Professor Wendy Ingman



**"A paradigm shift in lactational mastitis"**

2022-2024

\$946,417

CIA: A/Prof. Wendy Ingman, The University of Adelaide

CIB: Prof. Lisa Amir, La Trobe University

Als: A/Prof. Luke Grzeskowiak and Dr Tim Chataway, Flinders University

Als: Dr Emma Knight and Prof. Mark Hutchinson, The University of Adelaide

Congratulations to **Associate Professor Wendy Ingman**, Research Leader of the Breast Biology and Cancer Unit at the Basil Hetzel Institute, TQEH, for receiving a National Health and Medical Research Council (NHMRC) of Australia Ideas Grant in the latest round of funding.

Lactation mastitis is a debilitating inflammatory breast disease occurring in 1 in 5 Australian breastfeeding women. The disease causes lactation insufficiency, localised pain and rapid onset of fever, muscle aches, chills and fatigue, leading many women to use supplementary formula or cease breastfeeding altogether.

This project will address key gaps in the understanding of the biological causes of mastitis and lead to improved prevention and treatment of this disease. Wendy says "I'm absolutely thrilled to have the funding to get this project underway. Lactation mastitis is a very poorly understood condition, I'm hoping to make huge progress on improving treatment and prevention in the next 3 years." She will be employing a postdoctoral researcher and a research assistant to work on this project with her.

[wendy.ingman@adelaide.edu.au](mailto:wendy.ingman@adelaide.edu.au)

## Michell-McGrath Fellowship is open

The Michell-McGrath Fellowship, funded by THRF Group, supports a senior research fellow at the BHI, TQEH. The Fellowship, valued at \$375,000 per annum for 5 years, is open to research-active clinician/health practitioners and health and medical research scientists of national and international standing who are looking to base themselves at the BHI, TQEH. Research may be in any area of health and medical research aligned with the BHI's mission. T

More information on [THRF Group website](http://www.thrfgroup.com.au). The closing date for Expressions of Interest is 12 January 2022.

# DECEMBER 2021

## ISSUE 150



### IN THIS ISSUE

- p 3 News
- p 12 Student News
- p 13 General Information
- p 15 Work, Health & Safety
- p 16 Publications
- p 21 THRF Group News

### BHI SEMINARS

#### BHI Seminars

The seminar program recommences in March 2022

### UPCOMING EVENTS

#### BHI Annual Audit Presentation

12pm Tuesday 21 December

# BHI HUB

## Scientific Director Joy Rathjen

**BHI Ground Floor**  
**Phone: 8222 6870**  
[joy.rathjen@sa.gov.au](mailto:joy.rathjen@sa.gov.au)  
**Work days: Tuesday - Thursday**



December again – already!

The BHI Annual Research update (2020-2021 Financial Year) will be presented our Director of Research, Prof. Guy Maddern, on Tuesday 21 December 2021 at 12pm, followed by a light lunch. I am hoping that many of you will join us. It will be a fitting end for what has been a wonderful year for the BHI, TQEH. I will not steal Prof. Maddern's thunder, but it has, again, been a good year.

Our class of 2021 Honours students have finished, and their results have been posted. Congratulations to Shenoi, Keirrthana, Jonathan, Alek, Kelly, Armin and Zuhail on your success – First Class Honours all round. We wish you well in your future endeavours.

Our committees have completed their work for the year (except, perhaps, for the Scholarship Selection committee!). Thank you to all who serve on BHI committees. The BHI, TQEH relies on our members, and members of our stakeholder organisations, to contribute to our committees, complete our program of work and maintain the standards and performance of the institute.

A personal thank you to Kathryn Hudson, who has been with the BHI, TQEH for 14 years as the Facility Manager. Kathryn is taking up a new role with SAiGENCI in the new year. I will miss her steady guiding hand, her optimism and her kindness, as I am sure you all will. Good luck Kathryn.

Finally, I wish all of you a joyful holiday season. Rest, relax, reconnect with loved ones and return to 2022 ready for more. Merry Christmas.

## BHI Facility Managers (August - December 2021)

### Kathryn Hudson

**BHI Ground Floor**  
**Phone: 8222 7427**  
[kathryn.hudson@sa.gov.au](mailto:kathryn.hudson@sa.gov.au)  
**Office day: Tuesday**



### Imogen Ball

**BHI Ground Floor**  
**Phone: 8222 7427**  
[imogen.ball@sa.gov.au](mailto:imogen.ball@sa.gov.au)  
**Work days: Mon - Wed**



## BHI Communications Officer Rebecca Anderson

**BHI Ground Floor**  
**Phone: 8222 7345**  
[rebecca.anderson@adelaide.edu.au](mailto:rebecca.anderson@adelaide.edu.au)  
**Work days: 9-3pm Tuesday - Thursday**



## Inflammatory Bowel Disease Research Group receives European Grant



L-R: Dr Robert Bryant and Dr Alice Day

### European Crohn's Colitis Organisation (ECCO) Project Grant

Value: 80,000 euros (\$130,000)

**Chief Investigator A: Dr Robert Bryant**, Gastroenterologist, The Queen Elizabeth Hospital

**CIB: Dr Alice Day**, Academic Dietitian, The Queen Elizabeth Hospital

**CIC: Dr Sam Costello**, Gastroenterologist, The Queen Elizabeth Hospital

**CID: Dr Sam Forster**, Microbiologist, Monash University

Associate Investigators and other members of the research team are from the **Inflammatory Bowel Disease (IBD) Research Group** at the Basil Hetzel Institute, TQEH and TQEH IBD Service as well as Victorian collaborators at Monash University and [Atmo Biosciences Ltd.](#)

Ulcerative colitis (UC) is a chronic debilitating inflammatory bowel disease that currently has no medical cure. Current medical management largely involves pharmacological control of the immune response. Despite numerous therapeutic treatment options being available, effective treatment occurs in less than 40% of patients.

The incidence and prevalence of UC is rising globally, with a health economic burden comparable to diabetes. This rise in incidence could be the result of an environmental trigger such as diet. The low success rate of current treatments could be because treatments targeting the immune system do not also manipulate the gut microbiota and colonic environment. Diet therapy has the potential to bridge this therapeutic gap.

This project will investigate a novel diet therapy and compare it to a placebo diet to determine whether the intervention diet can reduce inflammation in the colon. It will be the first defined diet therapy aimed at preventing inflammation and active disease in UC and could ultimately be incorporated into conventional UC treatment paradigms.

This project is in the active recruitment of patient phase and is supported by a Project Grant from The Hospital Research Foundation (THRF) Group.

For further information and all trial enquiries, contact the EAT-UC study team directly:

Phone: (08) 8222 8984

Email: [Health.IBDresearchteam@sa.gov.au](mailto:Health.IBDresearchteam@sa.gov.au)





## PhD qualifications

Congratulations to Alice and Guil for qualifying for a Doctor of Philosophy from The University of Adelaide!



**Dr Alice Day**

Inflammatory Bowel Disease  
Research Group

Supervisors: Professor Jane  
Andrews and Dr Robert Bryant

Thesis title: Exploring a patient-  
centered, diet-focused treatment  
paradigm for Inflammatory Bowel  
Disease



**Dr Guilherme Pena**

Vascular Surgery Research  
Group

Supervisors: Professor Robert  
Fitridge, Dr Prue Cowled, Dr Joe  
Dawson

Thesis title: Predicting outcomes  
in patients with diabetic foot  
ulcers

## First Class Honours for All!

Seven students from The University of Adelaide, and another from the University of South Australia have all received First Class Honours for research they undertook at the BHI, TQEH during 2021. Four of these students were supported by Honours Scholarships from The Hospital Research Foundation Group.

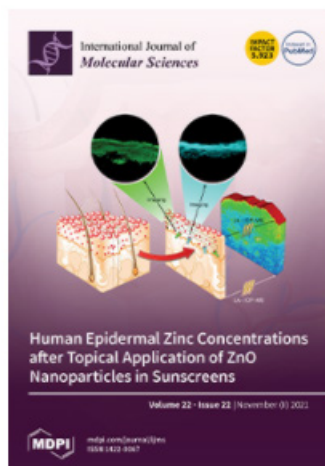
Congratulations to every one of these students for their dedicated work throughout the year. Three students were able to attend The University of Adelaide ceremony on Thursday 16 December (see photo).



*L-R: Keirrthana, Alek and Zuhail at The  
University of Adelaide Honours Ceremony*

Student	Research Group, University	Principal Supervisor
Kelly Dang*	ENT Surgery, University of Adelaide	A/Prof. Sarah Vreugde
Shenoi Goonetilleke*	ENT Surgery, University of Adelaide	A/Prof. Sarah Vreugde
Keirrthana Jothy*	Breast Biology and Cancer Unit, UoA	A/Prof. Wendy Ingram
Chun Yeung (Jonathan) Kei	Cardiovascular Pathophysiology and Therapeutics Group, UoA	E/Prof. John Horowitz
Alek Kelei*	Viral Immunology Group, UoA	Dr Branka Grubor-Bauk
Kelly Law	ENT Surgery, University of South Australia	Dr Nicky Thomas
Zuhail Naderi	Breast Biology and Cancer Unit, UoA	A/Prof. Wendy Ingram
Armin Muminovic	Cardiovascular Pathophysiology and Therapeutics Group, UoA	Dr Yuliy Chirkov
* these students were supported by The Hospital Research Foundation Honours Scholarships		

## Cover article in international journal



### Human Epidermal Zinc Concentrations after Topical Application of ZnO Nanoparticles in Sunscreens

*Int. J. Mol. Sci.*, Volume 22, Issue 22 (November-2 2021)



*L-R: Dr Amy Holmes and Professor Mike Roberts, Therapeutics Research Centre*

A recent article from the Therapeutics Research Centre was the cover article for the International Journal of Molecular Sciences.

Khabir Z, Holmes AM, Lai YJ, Liang L, Deva A, Polikarpov MA, Roberts MS, Zvyagin AV. Human Epidermal Zinc Concentrations after Topical Application of ZnO Nanoparticles in Sunscreens. [Int J Mol Sci. 2021 Nov 16;22\(22\):12372.](https://doi.org/10.3390/ijms221112372)

*Dr Amy Holmes has provided the following summary of the article:*

Sunscreens have a crucial role in protecting us from harmful UV radiation that can lead to skin cancers and premature skin ageing. Many sunscreens on the market contain nanoparticles such as zinc oxide that act as a physical block preventing skin damage. Previously Professor Roberts' group showed that zinc oxide nanoparticles do not penetrate human skin however other zinc species dissolved from them do. This study assessed whether the concentration of zinc that penetrates human skin from the zinc oxide nanoparticles is toxic. We used a rare stable zinc isotope to track the skin permeation of zinc. This is important because naturally there is a high concentration of zinc stored within the skin therefore it is typically difficult to assess any changes in concentration. Using state-of-the-art instruments, we mapped and quantified the amount of zinc isotope that penetrated the excised human skin and correlated it with toxic concentrations found *in vitro* on human skin cells. The key findings were that the concentration of exogenous (not naturally occurring) zinc found within excised human skin after topical application of zinc oxide nanoparticles was significantly lower than the concentration observed to cause human skin cell death *in vitro*. Once again, we did not observe any zinc oxide nanoparticles beyond the surface layers of the skin. This study adds to the recent US FDA proposal for sunscreen marketing that only two of the 16 currently marketed sunscreens, zinc oxide and titanium dioxide, can generally be regarded as safe and effective. This paper provides strong evidence that sunscreens incorporating zinc oxide nanoparticles is safe to apply to healthy skin.

The study was the result of a fruitful collaboration between researchers predominantly from Macquarie University, Dr Khabir and Associate Professor Zvyagin and the University of South Australia, Dr Amy Holmes (UniSA) being co-first author and Professor Michael Roberts (UniSA) being a corresponding author. Dr Holmes conducted the excised skin studies that used multiphoton microscopy with fluorescence lifetime imaging, structured illumination microscopy and solution based inductively coupled plasma mass spectrometry to map the zinc oxide nanoparticle distribution and solubilized zinc species using fluorescent probes. The images from this experiment were used in the graphical abstract that was selected to be the front cover of the journal.

Dr Amy Holmes is currently employing other zinc complexes for their wound healing properties on different mucosal surfaces.

[amy.holmes@unisa.edu.au](mailto:amy.holmes@unisa.edu.au)

## Professor Mike Roberts: Top 1% citations in his field



**Professor Mike Roberts**, Research Leader of the University of South Australia's Therapeutics Research Centre based at the BHI, TQEH, has been listed in the top 1% of scientists being cited in his field of "Pharmacology and Toxicology".

<https://recognition.webofscience.com/awards/highly-cited/2021/>

## Promotion to Associate Professor

**Dr Branka Grubor-Bauk's** promotion to Level D Associate Professor at The University of Adelaide takes effect from January 2022. Branka is the Research Leader of the Viral Immunology Group at the BHI, TQEH.



## Emeritus Professor John Horowitz finalist



**Emeritus Professor John Horowitz**, Research Leader of the Cardiovascular Pathophysiology and Therapeutics Group at the BHI, TQEH, was an [Mentor Award Finalist](#) in the inaugural [Australian Cardiovascular Alliance's Excellence in Cardiovascular Research Awards](#). These finalists "have made ongoing

and significant contributions to the research profession through outstanding mentoring. Mentorship rarely 'counts' in the tangible and traditional metrics of a career, but it matters and that's what these Finalists and all our nominees recognise".



## Welcome Wendy Bonner



**Wendy Bonner** has joined the ENT Surgery Group as a Research Assistant.

## Welcome Adeel Khoja

**Adeel Khoja** is undertaking a PhD through The University of Adelaide with the support of an Adelaide Scholarship International. His Principal supervisor is A/Prof. Margaret Arstall from the Northern Cardiovascular Research Group at the Lyell McEwin Hospital, but he has come to spend time at the BHI, TQEH with one of his co-supervisors, A/Prof. Rosanna Tavella, and the Translational Vascular Function Research Collaborative.





## News from Belgium based Dr Katharina Richter

**Dr Katharina Richter**, from the Surgical Science Research Group, who is currently in Belgium on her NHMRC CJ Martin Biomedical Early Career Fellowship, has updated us on some of her recent news:

Kati won the Best EMCR Oral Presentation at the recent 60th ASMR National Scientific Conference, which was held virtually, thereby allowing Kati to participate (at 1:45am) from the other side of the globe!

She has received a \$20,000 grant from The University of Adelaide DVCR Agrifood and Wine FAME Strategy in collaboration with Dr Andrea McWhorter from the School of Animal and Veterinary Science. The title of their project is "Healthy hens, healthy humans. Improving animal wellbeing and food safety of poultry by removing bacterial biofilms on chicken farms".

And she is a Chief Investigator C for a Research Roadmap grant, valued at \$38,000, from The University of Adelaide in collaboration with Dr Danny Wilson from the School of Biological Sciences. "Deciphering the mechanism of action for a new class of cell membrane-active antimicrobials: a pathway to widespread application in human and animal health"

Kati is currently trying to secure a flight back to Adelaide, hoping to return to the BHI, TQEH in February 2022.

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



## BHI researchers attend SA Science Excellence Awards



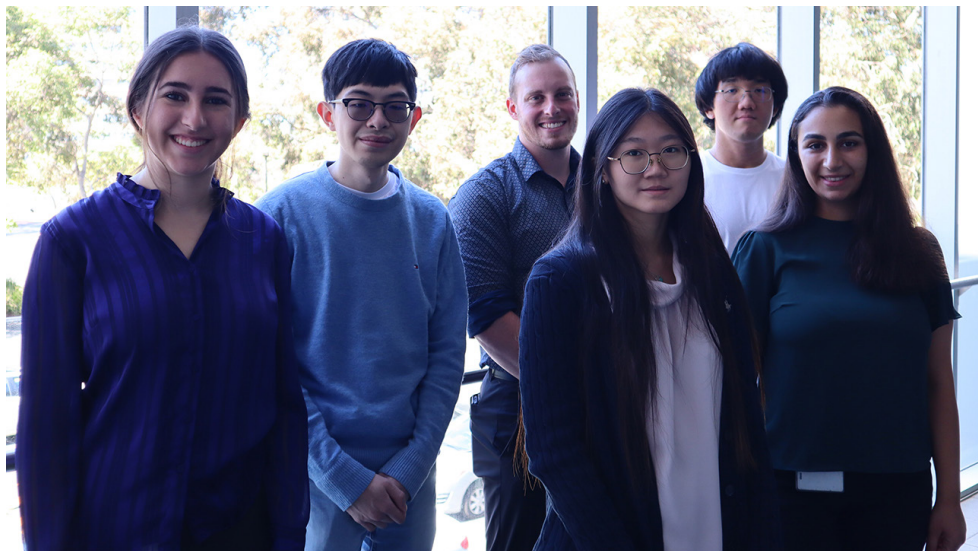
*Photo taken by Amy who said "I feel this image sums up science in 2021 well".*

## "Building Research Leaders" workshop

[Hugh Kearns from iThinkWell](#) returned in November to deliver the "Building Research Leaders" program to a second group of budding research leaders at the BHI, TQEH – this time targeting the program to early career researchers working at the precinct. Feedback from attendees was enthusiastic – Hugh's messages resonate with our researchers and his practical approaches to developing leadership skills are always appreciated. The focus on researcher development in 2021 has been well-received and we hope to continue this into next year. We thank The Hospital Research Foundation Group for supporting the iThinkWell program at BHI, TQEH.

**Associate Professor Sarah Vreugde** (ENT Surgery), **Dr Branka Grubor-Bauk** (Viral Immunology Group), **Associate Professor Wendy Ingman** (Breast Biology and Cancer Unit) and **Dr Amy Holmes** (Therapeutics Research Centre) attended the SA Science Excellence Awards thanks to support from The Hospital Research Foundation Group. Amy wrote "Congratulations to the winners and nominees, everyone described their research in an engaging and beautiful way - I'll be taking away some tips for my pitch!"

## Summer Scholars at the BHI, TQEH



*L-R: Kate, Jeeng, Jesse, Phoebe, Bobby and Laure - some of the BHI, TQEH summer students for 2021-2022*

A large cohort of undergraduate students are currently undertaking 6-8 weeks of research at the BHI, TQEH. Many of these are with the support of Vacation Scholarships that are half-funded by The Hospital Research Foundation Group and half-funded by their host group/TQEH department.

Student	Research Group	Principal Supervisor
Dray Harrison*	ENT Surgery	Dr Mahnaz Ramezanpour
Michael Pham*	Translational Vascular Function Research Collaborative	A/Prof. Chris Zeitz
Jesse Ey*	Surgical Science Research Group	Prof. Guy Maddern
Jeeng Yeeng Tee	Surgical Science Research Group	Prof. Guy Maddern
Phoebe Cong	Surgical Science Research Group	Prof. Guy Maddern
Bobby Lee*	Surgical Science Research Group	Prof. Guy Maddern
Kate Spuler*	Cardiovascular Pathophysiology and Therapeutics Group	E/Prof. John Horowitz
Laure Mansour*	Surgical Science Research Group	Prof. Guy Maddern
Khim Valerie Alday Tan*	ENT Surgery	Dr Mahnaz Ramezanpour
Udella Chan Wai Peng	Adelaide G-TRAC Centre	Dr Agathe Jadczyk
* these students are being supported by The Hospital Research Foundation Vacation Scholarships		



## Farewell to BHI Facility Manager, Kathryn Hudson, who leaves the BHI after 14 years!

BASIL HETZEL INSTITUTE  
THE QUEEN ELIZABETH  
HOSPITAL

### Basil Hetzel Institute

### The Queen Elizabeth Hospital

Christmas edition of Basil Hetzel Institute's collegiate news bulletin  
VOLUME 002  
DECEMBER 2007

## Winning News

PAGE 2

### Another FIRST! Our Facility Manager commences in January



Kathryn Hudson

*"Welcome to  
Kathryn  
Hudson"*

Kathryn Hudson commences in January as the Basil Hetzel Institute's very first Facility Manager. Kathryn joins us after having spent 4 years living in Boston, Massachusetts, where she worked at Harvard University and Massachusetts Institute of Technology (MIT).

Kathryn initially moved to Boston to work with Prof. Doug Melton, one of the world's leading stem cell biologists, whose laboratory focuses on the developmental biology of the pancreas. She was then recruited to the Harvard-MIT Health Science and Technology Division as Lab Manager of the Laboratory of Multiscale

Regenerative Technologies. This laboratory specialises in bioengineering, tissue patterning, cancer detection and the development of potential therapies using multifunctional nanoparticles. In this capacity Kathryn managed the support staff, research budget and was instrumental in establishing and running the Harvard-MIT Nanotoxicology Facility.

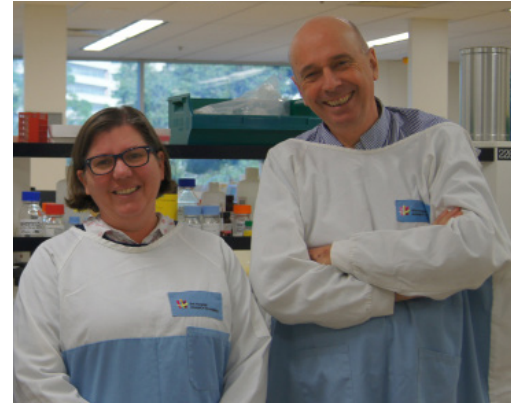
Originally from Adelaide, Kathryn has a Bachelor of Science from the University of Adelaide, an Honours degree from Flinders University and has held research based positions at the Flinders Medical Centre and The School

of Molecular and Biomedical Science at the University of Adelaide. Kathryn starts on the 2 January 2008 and she will be based in the Discipline of Surgery, 2<sup>nd</sup> floor, Basil Hetzel Institute. Her office will be located next to the seminar/tea room and her phone number is 82227427.

We have been fortunate to have Kathryn attending BHI Management Committee meetings and some critical redevelopment meetings for the last few months. Kathryn has already developed an expansive TO DO list for 2008, and we can't wait for her to start. Please give her a very warm welcome when you meet her in the BHI.

## Farewell to BHI Facility Manager, Kathryn Hudson, who leaves the BHI after 14 years! (continued)

It is with some regret and also excitement that Kathryn Hudson is leaving us after 14 years of navigating us through the difficulties and challenges of managing the Basil Hetzel Institute. The move to the new building was a major milestone in research at The Queen Elizabeth Hospital and Kathryn was able to navigate all the issues of the build, the fit out and the functional activities associated with moving into our purpose-built, state-of-the-art facilities which, of course, from the moment we moved into them were never quite right as our needs and requirements keep changing as does our research agenda.



Kathryn has been able to manage the University, the researchers, the postgraduates, the undergraduates and the sometimes cantankerous departmental heads who have all expected instantaneous solutions for complex problems. Kathryn has been able to deal with this in her usual professional, thorough and good-natured way. There has been no-one who cannot have applauded her abilities to provide what the research community at the BHI has needed in often difficult and trying times.

With her move to her new role as the SAiGENCI Institute Manager at The University of Adelaide our loss is certainly their gain. It is always disappointing when individuals do not develop the roles and possibilities they have given to them. Kathryn has certainly done this many times over at the BHI and I think that the opportunity to take on a new challenge is the right one for her. We will, of course, miss her but I think that the University has been fortunate to secure her services and we owe her an enormous debt for the years of dedicated and patient efforts she has provided for our Institute. She will always be welcome whenever she wishes to return and visit us and the success of the BHI is also, in large measure, hers.

Well done Kathryn and I hope that the next 14 years will be just as successful at SAiGENCI as the last 14 years have been with the BHI.

*Guy Maddern*

*Director of Research, BHI*

*The Queen Elizabeth Hospital*



Gwenda Graves, who retired at the end of 2020 (see December 2020 edition of Winning News), wrote the following about Kathryn: “Kathryn was appointed to the new and strategic role of BHI Facility Manager in 2007 at the design phase of The Queen Elizabeth Hospital research facility, when she was actually on maternity leave from The University of Adelaide! Clearly she was looking a challenge, and she found it. Firstly it provided her a new opportunity in health and medical research in a unique setting in the SA health system. As a scientist with recent experience in lab management at Harvard, and as a keen learner with a can-do attitude she worked very closely with the science community at TQEH, with architects and the redevelopment team to optimise the design, build, move and operationalisation of the facility. We worked closely together throughout this process, essentially project managing and supporting the research community’s interests, both scientists and clinical staff. Kathryn’s commitment and efforts in this critical stage of the facility’s life has placed it well for the future.”

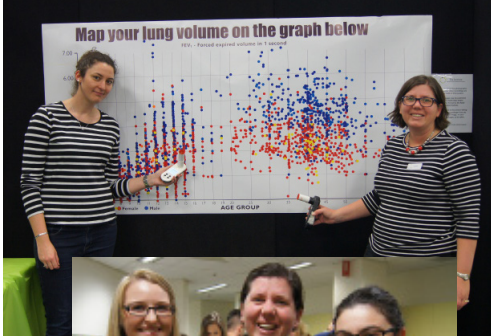
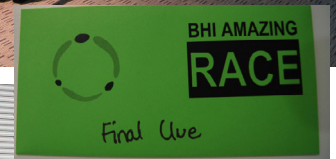


## Farewell (continued)

In addition to all of the management roles that Kathryn has diligently undertaken over the last 14 years she has also been instrumental in establishing various 'traditions' at the BHI, and instigating events that have helped to make the BHI, TQEH such an enjoyable place for staff and students to do their research. These include, but are not limited to:

- The Longest Table, fundraiser for The Hospital Research Foundation Group - the BHI has held an event every year since this initiative started in 2013
- Science Alive! The BHI had interactive displays at the "largest hands-on science event in the southern hemisphere" from 2014 - 2019. A large group of enthusiastic volunteers assisted Kathryn and Bec to run this event each year.
- Easter Bun Taste Test and the BHI Bake Off, Christmas lunches and events including the Amazing Race of 2015...with researchers racing between TQEH, THRF and the BHI in 40C heat. Memorable for those who attended!
- Applying for numerous grants along the way, including funding for electric bikes!

Kathryn Hudson  
BHI Facility Manager  
2008 - 2021





# BHI STUDENT NEWS

## BHI STUDENT REPS 2021



**Roshan Nepal (Level 1)**  
[roshan.nepal@adelaide.edu.au](mailto:roshan.nepal@adelaide.edu.au)



**Ghais Houtak (Level 1)**  
[ghais.houtak@adelaide.edu.au](mailto:ghais.houtak@adelaide.edu.au)



**Sarena La (Level 2)**  
[sarena.la@adelaide.edu.au](mailto:sarena.la@adelaide.edu.au)

## Award: Roshan Nepal

ENT Surgery PhD student **Roshan Nepal** received an Adelaide Medical School/ Biomedicine Research Committee Publication Award for “a novel study from a PhD student that uncovers an association between *Staphylococcus aureus* virulence factors and chronic rhinosinusitis disease, which has wider implications for other bacterial species inhabiting the human body and the environment.”

Roshan Nepal, Ghais Houtak, Gohar Shaghayegh, George Bouras, Keith Shearwin, Alkis James Psaltis, Peter-John Wormald and Sarah Vreugde. (2021) Prophages Encoding Human Immune Evasion Cluster Genes are Enriched in *Staphylococcus aureus* Isolated from Chronic Rhinosinusitis Patients with Nasal Polyps. Microbial Genomics, Accepted October 21.

## Award: Unyime Jasper



Congratulations to Adelaide G-TRAC Centre PhD Student **Unyime Jasper** who received the ‘Office for Ageing Well Tackling Ageism Award’ award. The winners of the prestigious 2021 South Australian Community Achievement Awards were announced at an Awards Gala Presentation Dinner at the Hilton Adelaide on Saturday evening November 20, 2021.

Jasper was nominated for the award by an anonymous community member for his research work that aims to reduce prolonged periods of sitting and lying (sedentary behaviour) and promote physical activity among hospitalised older people. Jasper regularly shares the findings from his research to educate clinicians, community-dwelling older people, and their carers on the importance of reducing sedentary behaviour and increasing physical activity for older people during hospitalisation.

Jasper said “I am grateful to the anonymous person who nominated me. I would like to thank the Office of Ageing Well, my PhD supervisors and award sponsors for this award.”

Jasper continues “The award has shown me that the little things I am doing to empower older people, their carers and clinicians is appreciated by the community and has stimulated my desire to contribute more towards the healthy ageing agenda. At the community level, I hope it will open doors for more collaborations to disseminate the message of healthy ageing through reducing sedentary behaviour and encouraging participation in physical activity.”

## BHI Off the Clock

A final “Off the Clock” was held on Wednesday 24th November. Thanks to The Hospital Research Foundation Group for supporting these off and on again social gatherings during the year.

# GENERAL INFORMATION

## 150th edition of Winning News!

### STATISTICIAN AT THE BHI

Suzanne is available at the BHI each Tuesday 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**  
[suzanne.edwards@adelaide.edu.au](mailto:suzanne.edwards@adelaide.edu.au)

**Suzanne Edwards**  
Statistical Consultant  
Data, Design and Statistics Services  
Adelaide Health Technology Assessment (AHTA)  
School of Public Health  
The University of Adelaide

**Basil Hetzel Institute**  
**The Queen Elizabeth Hospital**

**Winning News**  
Vol 001 Nov 2007

Introducing the Basil Hetzel Institute's monthly collegiate news bulletin

**COUNTDOWN**  
Only 14 months to occupation of our new research facility, scheduled for Friday 19 December 2008.

**Days to Occupation Date**  
**410 days**



TQEH research departments scheduled to move: Clinical Pharmacology, Cardiology (laboratory research), Gastroenterology, University Discipline of Medicine (laboratory and some clinical research), Rheumatology (laboratory research), Renal Transplantation (laboratory research), Haematology-Oncology (laboratory research), University Discipline of Surgery, Neurogenetics, Clinical Epidemiology (epidemiological research).



Picture of construction site taken opposite TQEH Research Foundation on 31 October 2007

Minister Hill attended the hospital on Friday 19 October and formally acknowledged commencement of construction of the facility.

**The Microscope has arrived**  
The Queen Elizabeth Hospital has purchased a new AxioObserver ZI inverted microscope for the use of Basil Hetzel Institute researchers.  
The high-powered microscope system will allow post image acquisition processing of the captured image to be performed on a user's own computer using specialised software, and will also allow sliced-through imaging of sections in the 3<sup>rd</sup> (Z axis).  
The microscope has been funded from a variety of sources, including a significant contribution from cancer bequest funds, Research Infrastructure Block Grant



New microscope pictured on the 1<sup>st</sup> floor of the Basil Hetzel Institute

Please e-mail any contributions for Winning News to [gwenda.graves@nwahs.sa.gov.au](mailto:gwenda.graves@nwahs.sa.gov.au) 1

The first edition of the BHI Winning News was published in November 2007.

It's quite fitting that the 1st edition was released about the same time that the first BHI Facility Manager, Kathryn Hudson, was appointed, and that this 150th edition is the one in which she is farewelled!

## TQEH Librarians

Librarians, [Anna Holasek](#) and [Rachel Davey](#) from the SA Health Library Service, TQEH campus, are available to assist you with constructing literature and database searches for your research and help you obtain relevant material.

All BHI staff, students and researchers are welcome to contact Anna or Rachel to arrange a meeting or alternatively visit the library website at SALUS [<https://salus.sa.gov.au>] to view our services and resources, or use the live online chat option to contact library staff. Please register online for a SALUS username and password to access the online library resources.

Please note: Anna and Rachel will be taking a short break between December 23rd and returning Thursday January 6th. For Library assistance during the break please email [health.salus@sa.gov.au](mailto:health.salus@sa.gov.au)

Have a safe and happy Christmas and New Year, and hope to see you in 2022.

# 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.**

For further information and submission please contact the CALHN Research Office on [Health.CALHNResearchEthics@sa.gov.au](mailto:Health.CALHNResearchEthics@sa.gov.au) or call 7117 2230

## CALHN Human Research Ethics Committee 2022 Submission and Meeting Dates for Applications

A list of all meeting dates can be found on the [BHI website](#)

HREC/IDSC Submission deadlines	CALHN HREC Meeting	IDSC Meeting
Tuesday 4 January 2022	Thursday 27 January 2022	Thursday 27 January 2022
Monday 17 January 2022	Thursday 10 February 2022	
Monday 31 January 2022	Thursday 24 February 2022	Thursday 24 February 2022
Monday 14 February 2022	Thursday 10 March 2022	

The Central Adelaide Local Health Network Human Research Ethics Committee (CALHN HREC) will hold two meetings and with two submission deadlines each month in 2022.

The Investigational Drug Sub-Committee (IDSC) will continue to meet monthly.

Studies involving early phase trial of investigational medicinal products require review and approval from both the IDSC and CALHN HREC.

Supporting documents are to be submitted to CALHN HREC via email [Health.CALHNResearchEthics@sa.gov.au](mailto:Health.CALHNResearchEthics@sa.gov.au)

### For more information please contact:

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

Animal ethics applications go through The University of Adelaide Animal Ethics Committee.

Details of meeting and submission dates: [www.adelaide.edu.au/research-services/oreci/animal/applications/](http://www.adelaide.edu.au/research-services/oreci/animal/applications/)

Contact details for this committee:

Amanda Camporeale, Animal Ethics Officer

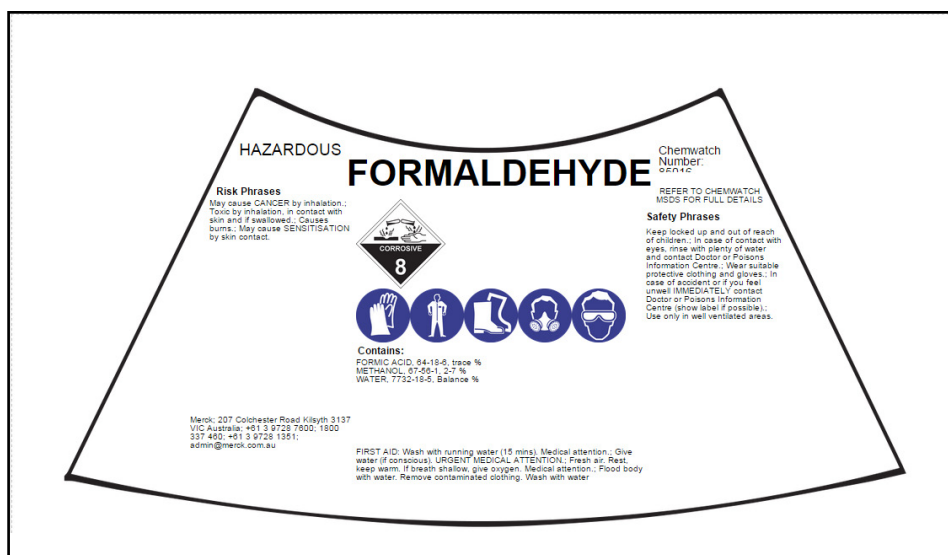
Phone: 8313 6310

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# WORK, HEALTH & SAFETY

## Chemwatch Register Review & Update



A reminder to all University of Adelaide researchers that the Faculty require chemical registers to be reviewed and updated prior to the end of the calendar year, or before activities commence next year. This was conveyed by Serge Stebellini on behalf of the HSW team by email on December 14.

The Faculty of Health and Medical Science use Chemwatch to capture all chemical holdings. All workgroups should have received login details and instructions to access Chemwatch earlier this year. If you need help accessing Chemwatch, please contact the faculty HSW team [fhs\\_hsw@adelaide.edu.au](mailto:fhs_hsw@adelaide.edu.au).

Chemwatch generates chemical labels which meet legislative requirements and contains Safety Data Sheets (SDSs) outlining critical information on chemical storage, compatibility, emergency and spill procedures and transport requirements. If the chemical you are using does not have an SDS in Chemwatch then you must obtain a copy (less than 5 years of age) from the manufacturer. Please send an electronic copy of the SDS to a member of the HSW Team for uploading to Chemwatch.

Similarly, CALHN also use Chemwatch to maintain a chemical register which is required to be regularly reviewed and kept up to date. This allows researchers to locate chemicals on site and determine which chemicals are of high risk.

Please ensure your lab group has a nominated person responsible for updating your chemical register through Chemwatch and let them know if you purchase new chemicals or dispose of old ones. Updating the register throughout the year makes the annual task much easier!

# PUBLICATIONS

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

**Archer M, Dasari P, Evdokiou A, Ingman W.** Biological mechanisms and therapeutic opportunities in mammographic density and breast cancer risk. *Cancers*. 13(21), 2021. Article Number: 5391, 2021 Nov. [doi.org/10.3390/cancers13215391](https://doi.org/10.3390/cancers13215391).

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**Haridy J, Iyngkaran G, Nicoll A, Muller K, Wilson M, Wigg A, Ramachandran J, Nelson R, Bloom S, Sasadeusz J, Watkinson S, Colman A, Altus R, Tilley E, Stewart J, Hebbard G, Liew D, Tse E.** Outcomes of community-based hepatitis C treatment by general practitioners and nurses in Australia through remote specialist consultation. *Internal Medicine Journal*. 51(11):1927-1934, 2021 Nov [doi.org/10.1111/imj.15037](https://doi.org/10.1111/imj.15037)

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**Li M, Reintals M, D'Onise K, Farshid G, Holmes A, Joshi R, Karapetis C, Miller C, Olver I, Buckley E, Townsend A, Walters D, Roder D.** Investigating the breast cancer screening-treatment-mortality pathway of women diagnosed with invasive breast cancer: Results from linked health data. *European Journal of Cancer Care*. e13539, 2021 Nov [doi.org/10.1111/ecc.13539](https://doi.org/10.1111/ecc.13539)

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## Season's Greetings



On behalf of everyone at The Hospital Research Foundation (THRF) Group, we would like to wish you and your families a Merry Christmas and wonderful New Year!

It's been another challenging year as we continue navigating the COVID-19 pandemic, but that hasn't stopped the lifechanging work underway from the researchers at the BHI!

We hope you all enjoy this festive season and we look forward to continuing to support the ground-breaking research taking place at the BHI in 2022.

THRF Group including our Woodville office, including our hubs at the Royal Adelaide Hospital and the Lyell McEwin Hospital, will be closed from 2pm 24 December and reopening 4 January 2021.

## Applications Open: Michell-McGrath Fellowship

THRF Group, the BHI and The Queen Elizabeth Hospital are pleased to invite Expressions of Interest for the esteemed Michell-McGrath Fellowship.

The Fellowship, valued at \$375,000 per annum for 5 years, is offered via a competitive, application-based process and is open to research-active clinician/health practitioners and health and medical research scientists of national and international standing who are looking to base themselves at the Basil Hetzel Institute, TQEH.

Expressions of Interest will only be accepted via the [SmartyGrants](#) platform and must be submitted by the deadline of 4:00pm (ACDT) Wednesday 12 January 2021.

For more information, visit our [website](#) or please contact our Research Office at [savelives@hospitalresearch.com.au](mailto:savelives@hospitalresearch.com.au).

## Goodbye and Good Luck to Kathryn Hudson

From everyone at THRF Group, we would like to extend our warm wishes and farewell to Kathryn Hudson as she finishes with the BHI next Tuesday. It's been an immense privilege working with Kathryn across a number of areas at the BHI and her support of THRF Group has been greatly appreciated.

We have to mention her incredible dedication and support of our Longest Table fundraiser! Each year, Kathryn organises not one, but TWO events for the BHI as well as her own dinner.

Good luck for your role at The University of Adelaide and we look forward to seeing your future accomplishments.





# THRF GROUP NEWS CONTINUED

## \$1.4 million machine to eliminate pancreatitis pain

A state-of-the-art Biospherix Chamber has been built in Adelaide to treat chronic pancreatitis thanks to a \$1.4 million grant from THRF Group!

The chamber was opened last week and cements Adelaide as a leading centre of excellence in the southern hemisphere for a unique procedure called Total Pancreatectomy with Islet Auto Transplantation (TP-IAT).

Specialists were flown in from the United States to construct the world-class machine, located within the SA Pathology building on Frome Road.



*L-R: Professor Toby Coates and Chelsea*

[Click here for more information!](#)

## Save lives with THRF Group this Christmas



Christmas is only weeks away and this year you can save time and save lives with THRF Group!

Stuck for a gift idea? Head to Hobby Home & Garden and purchase an exciting SA Great Mystery Box filled with an amazing selection of South Australian products – the perfect Christmas gift for your friends and family!

There are four types of boxes to choose from, and 10% of every purchase will support THRF Group!

PLUS, four lucky boxes will include a surprise bottle of 2017 Penfolds Grange, worth over \$800!

Visit [www.hobbyhomeandgarden.com.au](http://www.hobbyhomeandgarden.com.au) to purchase one today.

Don't enjoy wrapping gifts? THRF Group has you covered! Once again, we will be wrapping gifts for a donation in the lead up to Christmas! **You can visit us every day at Harbour Town until Friday 24 December.**

## \$2 Christmas baubles to help mothers and babies

Drakes Supermarkets is decking the halls (or rather, the isles!) this Christmas to help improve pregnancy outcomes for mums and babies across Australia.

Buy a \$2 bauble on your next trip to Drakes to show your support for mothers and babies in rural and remote communities.

[Click here](#) to find out more about how your support!

