



The Institute

basil hetzel institute for translational health research

MONTHLY BULLETIN FOR TQEH RESEARCH COMMUNITY

WINNING NEWS

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Professor John Beltrame receives Executive Dean's Award for Research Excellence



L-R: Professor Ben Kile and Professor John Beltrame. Photo supplied by The University of Adelaide.

Congratulations to Professor John Beltrame (Translational Vascular Function Research Collaborative, BHI, TQEH) for being awarded the Executive Dean's Award for Research Excellence (Senior Career category) for 2020. The award was presented by the Executive Dean of the Faculty of Health and Medical Sciences at The University of Adelaide, Professor Ben Kile, at a ceremony held on Thursday 4 February. The citation, read by Ben before presenting the award, said "... this recipient has been a long-standing member of The University of Adelaide. In the recipient's most recent role [Head, Department of Medical Specialities, Adelaide Medical School], they have responsibility of supervising over 900 affiliates and 20 staff. In addition, they have published over 93 papers [in the last 5 years] and in 2020 were identified as the Australian researcher with the highest number of citations for papers published in the last five years in the top 20 journals in their field. The recipient has contributed to many successful grant applications, with 7 currently active, including 3 NHMRC grants. Well recognised at all levels for their expertise and leadership in the field of cardiovascular medicine...the recipient is Professor John Beltrame".

Finalists, 2020 SA Science Excellence and Innovation Awards

Congratulations again to our two BHI, TQEH finalists in the 2020 SA Science Excellence and Innovation Awards: Dr Sam Costello (Lead Researcher, Inflammatory Bowel Disease Research Group) and Sue Lester (Chief Medical Scientist, Rheumatology Research Group). The full recording of the Awards Celebration, held on Friday 12 February, can be viewed at <https://bit.ly/3aoT6zS>. Videos of Sam and Sue can be viewed via these links:

Dr Sam Costello - <https://bit.ly/3beW7Sq>

Sue Lester - <https://bit.ly/3qrdx4Q>

MARCH 2021

ISSUE 141

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BHI SEMINARS

BHI Seminars

In 2021 all student, staff and invited speaker seminars will take place in the ground floor seminar rooms from 1-2pm on Wednesdays

Seminars recommence on 17 March.

UPCOMING EVENTS

BHI Policy Committee Meeting
8:30am Tuesday 16 March

BHI HUB

Scientific Director Joy Rathjen

BHI First Floor
Phone: 8222 6524
joy.rathjen@sa.gov.au
Work days: Tuesday - Thursday



At the BHI, TQEH there is a constant flux of students and research trainees in and out of our community, as the institute hosts between 80 and 90 research students at any one moment in time.

At the end of 2020 we farewelled the Honours class. Last year, all 11 Honours students studying at the BHI received First-Class Honours, a notable achievement from each and every one of them. Sophie Camens' and Joshua Kovoov's efforts were rewarded with an Adelaide Medical School Department of Medical Specialities Honours Award. We are delighted to welcome 5 of last year's Honours students back to the BHI to undertake their PhD studies with us. In 2020, we also farewelled 17 students who had successfully completed their Higher Degree by Research projects at the BHI and graduated with a PhD or Master's degree. Of the 12 students who completed their PhD at The University of Adelaide, 7 received a Dean's Commendation for Doctoral Thesis Excellence.

For these students who completed their studies at the BHI, we congratulate them on their outstanding achievements and wish them well in their future careers.

In 2021 we are pleased to welcome a new cohort of Honours students to the BHI, six in total, and a new intake of Higher Degree by Research candidates. There will be new faces around the place, but they will be made welcome as they settle in.

Finally, after a 12-month hiatus due to the pandemic the student representatives, Roshan, Sarena and Ghais held an 'Off the Clock' – a regular social event involving pizza for students and staff – last Wednesday. It was well-attended and fingers-crossed that in 2021 it will be able to resume as a monthly event.

BHI Facility Manager Kathryn Hudson

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BHI Communications Officer Rebecca Anderson

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Work days: 9-3pm Tuesday - Thursday



Welcome to new BHI, TQEH based Honours students



Shenoi Goonetilleke

Level 1 BHI shenoi.goonetilleke@student.adelaide.edu.au

ENT Surgery

Supervisors: Professor PJ Wormald, Associate Professor Sarah Vreugde and Dr Sha Liu

Thesis title: The relationship between bacterial antibiotic resistance genotypes, phenotypes and phage resistance

Scholarship: The Hospital Research Foundation Honours Scholarship



Keirrthana Jothy

Level 1 BHI keirrthana.jothy@student.adelaide.edu.au

Breast Biology and Cancer Unit

Supervisors: Associate Professor Wendy Ingman and Dr Amanda Townsend (Solid Tumour Group)

Thesis title: Investigating variability in gene and protein biomarkers in paired breast cancer samples from ER-positive pre-menopausal patients

Scholarship: The Hospital Research Foundation Honours Scholarship



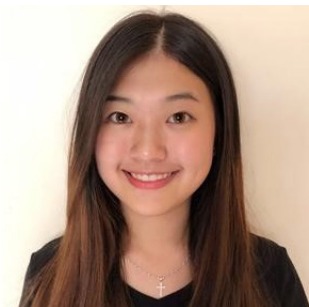
Alek Kelei

Level 1 BHI alek.kelei@student.adelaide.edu.au

Viral Immunology Group

Supervisor: Dr Branka Grubor- Bauk

Thesis title: Developing a novel Zika vaccine



Kelly Law

Level 1 BHI lawsy033@mymail.unisa.edu.au

ENT Surgery, University of South Australia

Supervisors: Dr Nicky Thomas, Professor Clive Prestidge (UniSA)

Thesis title: Nano-Fat and light - a new “diet” for bacteria to overcome recurring infections



Armin Muminovic

Level 2 BHI armin.muminovic@student.adelaide.edu.au

Cardiovascular Pathophysiology and Therapeutics Group

Supervisors: Dr Yuliy Chirkov and Emeritus Professor John Horowitz

Thesis title: Role of soluble guanylate cyclase dysfunction in nitric oxide resistance: impact of hydrogen sulphide supplementation



Zuhal Naderi

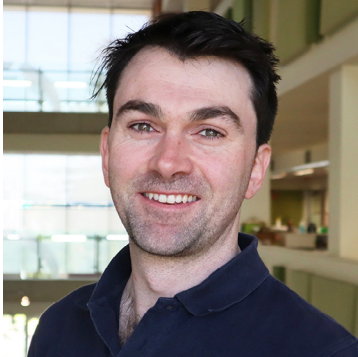
Level 1 BHI zuhal.naderi@student.adelaide.edu.au

Breast Biology and Cancer Unit

Supervisors: Associate Professor Wendy Ingman and Associate Professor Theresa Hickey (Dame Roma Mitchell Cancer Research Laboratories, The University of Adelaide)

Thesis title: The role of androgen receptors in mammographic density

Welcome to new BHI, TQEH based Higher Degree by Research or coursework students



Dr James Connell

Level 1 BHI james.connell@adelaide.edu.au

**Master of Philosophy (Surgery) Student, The University of Adelaide
ENT Surgery**

Supervisors: Professor Alkis Psaltis, Professor PJ Wormald and Associate Professor Sarah Vreugde

Thesis title: Ecological interactions between fungal and bacterial elements in chronic rhinosinusitis



Olivia Girolamo

Level 2 BHI olivia.girolamo@adelaide.edu.au

**PhD Student, The University of Adelaide
Cardiovascular Pathophysiology and Therapeutics Group**

Supervisors: Dr Yuliy Chirkov, Emeritus Professor John Horowitz, Dr Thanh Ha Nguyen and Dr Cher-Rin Chong

Thesis title: Pathogenesis of Takotsubo Syndrome: role of vascular and platelet reactivity

Scholarship: The University of Adelaide Research Training Program Stipend



Joshua Kovoov

TQEH 6A joshua.kovoov@adelaide.edu.au

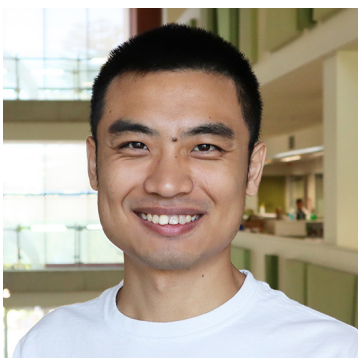
PhD Student, The University of Adelaide

Surgical Science Research Group

Supervisors: Professor Guy Maddern and Professor Karen Jones (NHMRC Centre of Research Excellence in Translating Nutritional Science to Good Health, The University of Adelaide)

Thesis title: Characterisation of Gastrointestinal Recovery After General Surgery

Scholarship: The Hospital Research Foundation Postgraduate Research Scholarship



Runhao Li

Level 1 BHI runhao.li@student.adelaide.edu.au

**Master of Biotechnology (Biomedical) Student, The University of Adelaide
Solid Tumour Group**

Supervisors: Dr Eric Smith and Dr Kevin Fenix (Surgical Science Research Group)

Thesis title: Generating a SFRP5-rAAV gene therapy construct for treatment of liver metastases

Scholarship: The University of Adelaide Global Citizens Scholarship



Dawn Whelan

Level 1 BHI dawn.whelan@adelaide.edu.au

PhD Student, The University of Adelaide

Viral Immunology Group

Supervisors: Dr Branka Grubor-Bauk, Dr Makutiro Masavuli and Dr Zelalem Mekonnen

Thesis title: Development of mouse models of Zika virus infection in pregnancy to evaluate the efficacy of novel DNA vaccine candidates

Additional new students will be introduced in the next edition of the BHI Winning News, once we have a photo of them as well as all the relevant information!!

BHI STUDENT NEWS

BHI STUDENT REPS 2020 – 2021



Roshan Nepal (Level 1)
roshan.nepal@adelaide.edu.au



Ghais Houtak (Level 1)
ghais.houtak@adelaide.edu.au



Sarena La (Level 2)
sarena.la@adelaide.edu.au

Congratulations to Dr Roy Ong



Dr Roy Ong has completed his Master of Philosophy (Surgery) and received a Dean's Commendation for Master by Research Thesis Excellence, from the Dean of Graduate Studies, Professor Michael Liebelt, at The University of Adelaide. Roy completed his thesis "Factors affecting surgical mortality of oral squamous cell carcinoma resection" in the Surgical Science Research Group under the supervision of Professor Guy Maddern and Dr Paul Sambrook (Adelaide Dental School).

New BHI Student Reps

Thanks to **Ghais Houtak** and **Sarena La** for agreeing to join Roshan as BHI Student Representatives. Ghais commenced his PhD with ENT Surgery in August 2019 while Sarena started her PhD with the Translational Vascular Function Research Collaborative in August 2020 after gaining her First Class Honours degree with the same group.

As BHI Student Representatives, Roshan, Ghais and Sarena, are available for students to speak with about any issues they would like to raise at the regularly BHI Management Committee Meetings. They will also be hosting "BHI Off the Clock" gatherings, which have been on hold for quite a few months!

BHI Off the Clock

Off the Clock, an informal gathering for students and staff, is back for 2021 with a well-attended session held on Wednesday 24 February. All staff and students are welcome to attend these events that will be held on the last Wednesday of each month.

GENERAL INFORMATION

SAPC releases final report

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
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Suzanne Edwards
Statistical Consultant
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Services
Adelaide Health Technology
Assessment (AHTA)
School of Public Health
The University of Adelaide

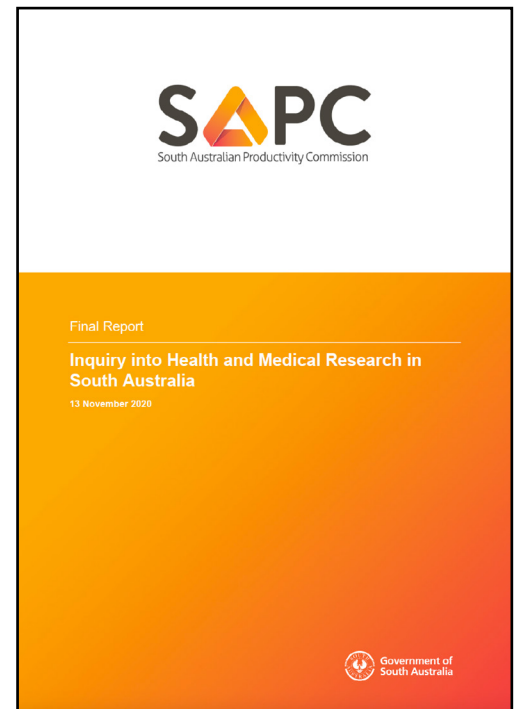
The South Australian Productivity Commission's final report on the Inquiry into Health and Medical Research in South Australia was published on the 11th of February 2021.

"The Commission identified a number of factors that influence the state's ability to attract funding for research, the level of research activity and the translation of research into improved health and economic outcomes.

The Commission recommended several reforms to improve the state's competitiveness and performance in HMR."

The full report can be read here: <https://www.sapc.sa.gov.au/inquiries/inquiries/health-and-medical-research/final-report>

A link to the BHI's response to the draft report can be found on p233 of the final report.



TQEH Librarians

TQEH Library team are pleased to be resuming their regular weekly visits to the BHI on Wednesday March 10 (BHI Room 1-E07). A librarian from the SA Health Library Service, The Queen Elizabeth Hospital campus will be available to assist you to construct literature and database searches for your research and assist in obtaining relevant material.

Please contact TQEH librarians anna.holasek@sa.gov.au or rachel.davey@sa.gov.au by email or phone 8222 8481 if you'd like to arrange an alternate time to meet.

The SALUS library site is accessible 24/7 from any computer or device with internet access. To access the Library Service's electronic resources you will need to [register online](#) for a SALUS username and password via the library homepage [<https://salus.sa.gov.au>].

GENERAL INFORMATION CONTINUED

Pre-review service for clinical research grants

All research studies, including grant funded research, require appropriate ethics and governance approvals before they can commence. Unlike the NHMRC, many funding bodies do not utilise a peer-review system as part of their grant funding rounds. This can lead to delays in researchers obtaining the post-award approvals that are required before they can start their projects. **The CALHN Research Office is offering pre-application scientific review of clinical human research projects by the CALHN HREC Chair, Mr Ian Tindall, with a view to facilitating efficient post-award approval processes.**

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

CALHN Human Research Ethics Committee 2021 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
Monday 15 February 2021	Thursday 11 March 2021	
Monday 1 March 2021	Thursday 25 March 2021	Thursday 25 March 2021
Monday 15 March 2021	Thursday 8 April 2021	
Monday 29 March 2021	Thursday 22 April 2021	Thursday 29 April 2021

The Central Adelaide Local Health Network Human Research Ethics Committee (CALHN HREC) will hold two meetings and with two submission deadlines each month in 2021.

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

For more information please contact:

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

Contact details for this committee:

Amanda Camporeale, Animal Ethics Officer

Phone: 8313 6310

Email: amanda.camporeale@adelaide.edu.au

WORK, HEALTH & SAFETY

ChemWatch changes

The current system for University of Adelaide researchers is that the faculty HSW team maintains and makes changes to workgroup chemical registers following advice from individual workgroups (or Kathryn Hudson on behalf of the BHI). This is usually undertaken annually towards the end of the calendar year.

From 1st March all workgroups will have password access to ChemWatch and will be responsible for creating and then maintaining their own chemical registers. Faculty HSW team have several online videos that take new users through the process and the ChemWatch site has an extensive range of online training modules to cater for all levels of users.

The University recently had a Phenol spill in a workspace resulting in a visit by SafeWork SA. Two Improvement Notices directing the University undertake corrective action for an identified risk were issued – one relating to the storage and handling of the chemical substance and the other in relation to the Chemical Register that did not reflect holdings and volumes.

New FHMS HSW team member

After nearly 12 months of having only 2 dedicated resources to HSW we are pleased to announce the appointment of **Peter Hallows** who has come over from the Engineering faculty. Peter has extensive experience in HSW, albeit not in the health research sector, and is keen to learn why the Faculty of Health and Medical Sciences and particularly the BHI are one of the safest places to work in the university. Peter will be visiting the BHI later in the year to observe during the annual workplace inspections.

Serge Stebellini

Faculty Health, Safety and Wellbeing (HSW) Coordinator

FACULTY OF HEALTH & MEDICAL SCIENCES

THE UNIVERSITY OF ADELAIDE

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E: serge.stebellini@adelaide.edu.au

LOCATION: AHMS L3 and HMN L3

PUBLICATIONS

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

Bernhardt S, Dasari P, Walsh D, Raymond W, Hull M, Townsend A, Price T, Ingman W. The menstrual cycle is an under-appreciated factor in premenopausal breast cancer diagnosis and treatment. *Current Opinion in Endocrine and Metabolic Research*. 15:37-42, 2020 Dec. doi.org/10.1016/j.coemr.2020.11.001.

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Hossain M, Yu D, Bikdeli B, Yu S. Sarcopenia and Adverse Post-Surgical Outcomes in Geriatric Patients: A Scoping Review. *The Journal of Frailty & Aging*. 10(1):63-69, 2021. doi.org/10.14283/jfa.2020.27.

Jasper U, Yadav L, Dollard J, Jadcak AD, Yu S, Visvanathan R. Sedentary behaviour in hospitalised older people: A scoping review. *International Journal of Environmental Research & Public Health*. 17(24), 2020 Dec. doi.org/10.3390/ijerph17249359.

Labrosciano C, Air T, Tavella R, Beltrame J, Ranasinghe I. Readmissions following hospitalisations for cardiovascular disease: a scoping review of the Australian literature. *Australian Health Review*. 44(1):93-103, 2020 Feb. doi.org/10.1071/AH18028.

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Mekonnen Z, Masavuli M, Yu W, Gummow J, Whelan D, Al-Delfi Z, Torresi J, Gowans E, Grubor-Bauk B. Enhanced T cell responses induced by a necrotic dendritic cell vaccine, expressing HCV NS3. *Frontiers in Microbiology*. 11 Article Number:559105. 2020 Nov. doi.org/10.3389/fmicb.2020.559105.

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Schmoll H, Stein A, Van Cutsem E, Price T, Hofheinz R, Nordlinger B, Daisne J, Janssens J, Brenner B, Reinel H, Hollerbach S, Caca K, Fauth F, Hannig C, Zalberg J, Tebbutt N, Mauer M, Marreaud S, Lutz M, Haustermans

K. Pre- and postoperative capecitabine without or with oxaliplatin in locally advanced rectal cancer: PETACC 6 Trial by EORTC GITCG and ROG, AIO, AGITG, BGDO, and FFCD. *Journal of Clinical Oncology*. 39(1):17-29, 2021 Jan. doi.org/10.1200/JCO.20.01740.

Sharma Y, Horwood C, Chua A, Hakendorf P, Thompson C. Prognostic impact of high sensitive troponin in predicting 30-day mortality among patients admitted to hospital with influenza. *IJC Heart and Vasculature*. 32, Article Number:100682. 2021 Feb. doi.org/10.1016/j.ijcha.2020.100682.

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Behnia-Willison F, Nguyen T, Rezaeimotlagh A, Baekelandt J, Hewett P. Middle Eastern women's attitudes and expectations towards vaginal natural orifice transluminal endoscopic surgery (vNOTES): a survey-based observational study. *Surgical Endoscopy*. (no pagination), 2021. doi.org/10.1007/s00464-020-08193-0.

Christian Napp L, Cammann V, Jaguszewski M, ... Horowitz JD et al. Coexistence and outcome of coronary artery disease in takotsubo syndrome. *European Heart Journal*. 41(34):3255-3268, 2020 Sep. doi.org/10.1093/eurheartj/ehaa210.

Goodsall T, Nguyen T, Parker C, Ma C, Andrews J, Jairath V, Bryant R. Systematic review: Gastrointestinal ultrasound scoring indices for inflammatory bowel disease. *Journal of Crohn's & Colitis*. 15(1):125-142, 2021 Jan. doi.org/10.1093/ecco-jcc/ijaa129.

Kuan L, Dennison A, Garcea G. Significance of indeterminate pulmonary nodules in resectable pancreatic adenocarcinoma-a review. *Langenbeck's Archives of Surgery*. (no pagination), 2021. doi.org/10.1007/s00423-020-02049-w.

PUBLICATIONS CONTINUED

If you wish to have a recent publication included, please send details to the BHI Communications Officer

rebecca.anderson@adelaide.edu.au

Lurvink R, Villeneuve L, Govaerts K, ... Hewett P et al. The Delphi and GRADE methodology used in the PSOGI 2018 consensus statement on Pseudomyxoma Peritonei and Peritoneal Mesothelioma. *European Journal of Surgical Oncology*. 47(1):4-10, 2021. doi.org/10.1016/j.ejso.2019.03.012.

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Rana K, Bahrami B, van Zyl L, Esterman A, Goggin M. Efficacy of intracameral antibiotics following manual small incision cataract surgery in reducing the rates of endophthalmitis: A meta-analysis. *Clinical and Experimental Ophthalmology*. (no pagination), 2021. doi.org/10.1111/ceo.13890.

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Stanton T, Karran E, Butler D, Hull M, Schwetlik S, Braithwaite F, Jones H, Moseley G, Hill C, Tomkins-Lane C, Maher C, Bennell K. A pain science education and walking program to increase physical activity in people with symptomatic knee osteoarthritis: a feasibility study. *The Pain Report*. 5(5):e830, 2020 Sep-Oct. doi.org/10.1097/PR9.0000000000000830.

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Deputy M, Segal J, Reza L, Worley G, Costello S, Burns E, Faiz O, Clark S, Hart A. The pouch behaving badly: Management of morbidity after ileal pouch anal anastomosis. *Colorectal Disease*. 2021 Feb. doi.org/10.1111/codi.15553.

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Purushothaman P, Ahmed S, Arun K, Psaltis A. Isolated frontal sinusitis and anosmia: A novel presentation. *Indian Journal of Otolaryngology & Head & Neck Surgery*. 1-3, 2021 Jan. doi.org/10.1007/s12070-020-02298-7.

Robson J, Mackie S, Hill C. Patient reported outcomes in large vessel vasculitides. *Current Rheumatology Reports*. 23(2):7, 2021 Jan. doi.org/10.1007/s11926-020-00979-4.

Selby P, Shakib S, Peake S, Warner M, Yeung D, Hahn U, Roberts J. A systematic review of the clinical pharmacokinetics, pharmacodynamics and toxicodynamics of ganciclovir/valganciclovir in allogeneic haematopoietic stem cell transplant patients. *Clin Pharmacokinet*. 2021. doi.org/10.1007/s40262-020-00982-z.

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To learn more, follow the link to read our 2020 Impact Report: <https://bit.ly/3dnOLPh>



L-R: Panel speakers Associate Professor David Shaw, Professor Bob Adams and Dr Branka Grubor-Bauk shared their work in the fight against COVID-19.

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