

Faculty of Medicine

# 2021 HDR Symposium

1-2 December 2021

Mayne Medical Building, Herston



THE UNIVERSITY  
OF QUEENSLAND  
AUSTRALIA

CREATE CHANGE



## 4th Annual Faculty of Medicine Higher Degree by Research (HDR) Symposium (2021)

### Programme at a Glance

#### Day 1 - 1 December 2021, 08.30 - 19.30

8.30-9.00	<b>Registration</b>
9.00-9.15	<b>Welcome, Acknowledgement of Country</b> Professor Maree Toombs, <i>Associate Dean (Indigenous Engagement), Faculty of Medicine</i> Professor Marina Reeves, <i>Deputy Associate Dean (Researcher Development), Faculty of Medicine</i>
9.15-10.00	<b>How to make the most of your HDR</b> Professor Karen Moritz, <i>Associate Dean (Research), Faculty of Medicine</i>
10.00-11.00	<b>Student Presentations I</b>
11.00-11.30	<b>Morning tea</b>
11.30-12.00	<b>Grantsmanship secrets</b> Professor Ian Frazer AC, <i>Epithelial Cancer Group Leader, UQ Diamantina Institute</i>
12.00-13.00	<b>Student Presentations II</b>
13.00-14.00	<b>Poster Session I and Lunch</b> (Oral Health Centre Level 4 Seminar Room)
14.00-14.30	<b>The journey from Anjou to Brisbane: a bench to bedside story</b> Professor Fabienne Mackay, <i>Director and CEO of QIMR Berghofer Medical Research Institute</i>
14.30-15.00	<b>Student Lightning Presentations I</b>
15.00-15.15	<b>Intermission</b>
15.15-16.00	<b>Panel Discussion: Managing your relationship with your advisor</b> Dr. Kartik Iyer, <i>QIMR-B</i> , Dr. Kevan Jones, <i>Student Services UQ</i> , Associate Professor Michael Piper, <i>SBMS</i> , Dr. Sarah Reedman, <i>CHRC</i>
16.00-17.00	<b>Student Lightning Presentations II</b>
17.30-19.30	<b>Social Event - Trivia &amp; Pizza Night (Terrace Room, Level 7 Oral Health Centre)</b> (Separate registration required via UQ Pay Portal)

#### Day 2 - 2 December 2021, 08.30 - 17.00

8.30-9.00	<b>Registration</b>
9.00-9.10	<b>Welcome, and Acknowledgement of Country</b> Professor Marina Reeves, <i>Deputy Associate Dean (Researcher Development), Faculty of Medicine</i>
9.10-10.30	<b>Student Presentations III</b>
10.30-11.00	<b>Morning tea</b>
11.00-11.30	<b>Workshop: Wellness insights</b> Mr. Luke Welch, <i>HSW adviser for safety culture at UQ</i>
11.30-12.30	<b>Student Lightning Presentations III</b>
12.30-13.30	<b>Poster Session II and Lunch</b> (Oral Health Centre Level 4 Seminar Room)
13.30-14.30	<b>Networking in post-pandemic world: Strategies to influence your career success</b> Dr. Ken Dutton-Regester, <i>Founder and Director, Excite Science</i>
14.30-15.50	<b>Student Lightning Presentations IV</b>
15.50-16.15	<b>Afternoon Tea</b>
16.15-17.00	<b>Awards Presentation and Conclusion</b> Professor Helen Klaebe

#### Org Unit abbreviations

CHRC	<i>Child Health Research Centre</i>	RBWH CU	<i>Royal Brisbane and Women's Hospital Clinical Unit</i>
CHSR	<i>Centre for Health Services Research</i>	SBMS	<i>School of Biomedical Sciences</i>
MRI-UQ	<i>Mater Research Institute-UQ</i>	SPH	<i>School of Public Health</i>
PCH CU	<i>Prince Charles Hospital Clinical Unit</i>	UQCCR	<i>UQ Centre for Clinical Research</i>
QIMR-B	<i>QIMR Berghofer Medical Research Institute</i>	UQDI	<i>UQ Diamantina Institute</i>

## Speakers and guests



### Professor Maree Toombs

Professor Maree Toombs is a proud a Kamilaroi/Kooma woman from north-western New South Wales and is the Associate Dean Indigenous Engagement at the Faculty of Medicine. Professor Toombs is recognised nationally and internationally for her work in Indigenous health perspectives in medicine and her research efforts devoted to improving mental health and wellbeing for Indigenous Australians, in particular managing chronic physical illness and mental health including suicide intervention. Her research has been funded by numerous NHMRC project grants and fellowships including a prestigious Churchill Fellowship.



### Professor Marina Reeves

Marina Reeves is the Deputy Associate Dean (Researcher Development) in the Faculty of Medicine and Professor in the School of Public Health. Her program of research is focused on the role of weight management/body composition, diet and physical activity in improving outcomes for women diagnosed with breast cancer, with a particular focus on under-researched subgroups, such as metastatic breast cancer. Her research has been funded by project grant and fellowship funding from the National Health and Medical Research Council (NHMRC) and National Breast Cancer Foundation (NBCF) and World Cancer Research Fund (WCRF) International.



### Professor Karen Moritz

Professor Karen Moritz is the Associate Dean (Research) of the Faculty of Medicine and leads the developmental programming in disease research team in the Child Health Research Centre and the School of Biomedical Sciences. Her research aims to understand how prenatal perturbations contribute to an increased risk of developing chronic diseases, with a particular interest in the effect of maternal alcohol consumption on fetal development and child health. Professor Moritz has received four consecutive NHMRC fellowships and numerous project grants and has mentored more than 25 PhD candidates and 15 early career academics.



### Professor Ian Frazer AC

Professor Ian Frazer is a clinician scientist, and Epithelial Cancer Group Leader at UQ's Diamantina Institute at TRI. He is recognised as co-inventor of the technology enabling the HPV vaccines, currently used worldwide to help prevent cervical cancer. He heads a biotechnology company, Jingang Medicine (Aus) Pty Ltd, working on new vaccine technologies, and is a board member of several companies and not for profit organisations. He was the inaugural president of the Australian Academy of Health and Medical Sciences, and a member of the Australian National Science and Technology Council. He chairs the Australian Medical Research Advisory Board of the Medical Research Future Fund.



### Professor Fabienne Mackay

Professor Fabienne Mackay is the Director and CEO of QIMR Berghofer Medical Research Institute. She joined QIMR Berghofer in May 2020, having been the inaugural Head of the School of Biomedical Sciences and Head of the Department of Pathology in the Faculty of Medicine, Dentistry and Health Sciences, at the University of Melbourne since 2015. Professor Mackay studied Medicine and Biomedical Engineering before obtaining her PhD in Molecular Biology and Immunology from Louis Pasteur University in Strasbourg, France. She started her research career in the biotech industry at Biogen Inc. in Boston. In 1999, she joined the Garvan Institute in Sydney as Director of the Autoimmunity Research Unit, and in 2009 she was recruited as Head of the Department of Immunology at Monash University. Professor Mackay was elected as a Fellow of the Australian Academy of Health and Medical Sciences in 2016. Her major research interest relates to autoimmune diseases such as lupus and leukemia.



### Associate Professor Michael Piper

Mike is an Associate Professor at the School of Biomedical Sciences. His research focuses on understanding brain development and neurodevelopmental disorders. He is passionate about supporting HDR students and ECRs, and is an advocate for a healthy work/life balance. He maintains his sanity with family time, footy and running. He has held numerous fellowships during his career, including an NHMRC Howard Florey Fellowship, an NHMRC CDF and an ARC Future Fellowship.





### Dr. Kartik Iyer

Dr. Kartik Iyer is a postdoctoral researcher at QIMR Berghofer Medical Research Institute and Adjunct Research Fellow at The University of Queensland. Dr. Iyer's research is highly multidisciplinary - he combines neuroimaging and biomedical engineering techniques to examine childhood neurodevelopment, sleep patterns and recovery from neurotrauma. With over 10 years of combined experimental and analytic experience in such fields, Kartik is passionate about the use of cutting-edge techniques to generate better informed insights into brain function and behaviour. He is currently working on an NHMRC-funded study co-designing an EEG-based brain age growth chart for predicting typical and atypical neurodevelopment.



### Dr. Kevan Walter Jones

Dr. Kevan Walter Jones is a Learning Adviser from The University of Queensland's Student Services. Originally a research scientist specialised in plant pathology (fungal diseases of Banana), he completed his PhD at UQ in 2014. Kevan has since transitioned to teaching and pedagogy, with emphasis on academic skills. Kevan is passionate about research communication skills, including public speaking and writing.



### Dr. Sarah Reedman

Dr. Sarah Reedman is a Postdoctoral Research Fellow at the Queensland Cerebral Palsy and Rehabilitation Research Centre. Dr. Reedman is passionate about enabling participation of young people with disabilities in sports and active recreation. She is currently overseeing the NHMRC-funded multi-site randomized trial of Participate CP, a participation-focused therapy intervention to promote physical activity participation in children with cerebral palsy. Dr. Reedman is also involved in research and development of the new para athletics discipline of Frame Running.



### Mr Luke Welch

Luke is the HSW adviser for safety culture at UQ, working to improve safety culture and capability, and psychosocial risk management, across the university. He is passionate about improving the lives of people and organisations for the better. He is experienced with strategy and systems, organisational development, and data science. Luke has created innovative products for business analysis, talent management and ethical work climate. Working across a number of industries and client types Luke aids in the assessment and improvement of jobs, processes, systems and people.



### Dr. Ken Dutton-Regester

Dr. Ken Dutton-Regester is an active cancer researcher exploring new ways to prevent and treat late-stage melanoma. He completed his PhD at the Queensland University of Technology (2012), and his postdoctoral training at the Broad Institute of Harvard MIT (2014-2016). A passionate science communicator, Ken was recognized as a Queensland Young Tall Poppy Scientist in 2017 and is a current member of the Questacon Advisory Council. In 2019, Ken founded 'Excite Science', a creative studio using immersive experiences to explain complex cancer biology in fun ways; and 'Stemventurist', a Youtube channel focused on the professional development of scientists.



### Professor Helen Klæbe

Professor Helen Klæbe is a leader in research development and training engagement activities, and has contributed greatly to research in creative writing, transmedia storytelling, narrative methodologies, oral and public history, interdisciplinary research, and in the evaluation of the economic, cultural and audience impact of public art programs. Professor Klæbe's research reputation has been built on implementing creative ways of writing and presenting stories for communities, institutions, and organisations. Professor Klæbe joins the UQ Graduate School from Queensland University of Technology (QUT), where she was the Pro Vice-Chancellor (Graduate Research & Engagement) and former Dean of Research & Research Training.

# 4th Annual Faculty of Medicine Higher Degree by Research (HDR) Symposium (2021)

## Detailed Programme

Day 1 - 1 December 2021, 08.30 – 19.00

8.30-9.00	<b>Registration</b>	
9.00-9.15	<b>Welcome, Acknowledgement of Country, and Opening Address</b> Professor Maree Toombs, <i>Associate Dean (Indigenous Engagement), Faculty of Medicine</i> Professor Marina Reeves, <i>Deputy Associate Dean (Researcher Development), Faculty of Medicine</i>	
9.15-10.00	<b>How to make the most of your HDR</b>  What does success look like at the end of your HDR journey? This presentation will help you to think about where you want to go post-HDR and what you can do during your candidature to help you get there.  Professor Karen Moritz, <i>Associate Dean (Research), Faculty of Medicine</i>	
10.00-11.00	<b>Student Presentations I</b>	
	<i>Kidneys on fire: Inflammasome signalling in human hypoxic chronic kidney disease (CKD)</i>	Kurt Giuliani RBWH CU
	<i>Patient-reported gastrointestinal symptoms and the association with quality of life following kidney transplantation</i>	Samuel Chan CHSR
	<i>Older women in the oldest profession: a qualitative retrospective life course analysis</i>	Rachael Brennan SPH
	<i>Assessing the impact of uncleavable p75 neurotrophin receptor expression</i>	Jacinta Conroy SBMS
	<i>Microglial IL-6 exerts a neuroprotective effect against LPS induced sickness behavior</i>	Samreen Shaikh SBMS
	<i>CD8 T cell regulation as a key factor for optimal antigen-specific liposome immunotherapy in type 1 diabetes.</i>	Jennifer Denisse Loaiza Naranjo UQDI
11.00-11.30	<b>Morning tea</b>	
11.30-12.00	<b>Grantsmanship secrets</b>  As researchers we rely on grant funding to continue our research ... but writing successful grants is a skill in itself. In this session, we will hear from UQ's preeminent researcher, Prof Ian Frazer AC, on his secrets for writing successful grants, with a particular focus on Medical Research Future Funds (MRFF) grants. Note, this is a pre-recorded presentation; questions on grant writing can be posted on the session Padlet <a href="https://tinyurl.com/pzmz35ad">tinyurl.com/pzmz35ad</a> , and will be answered after the session.  Professor Ian Frazer AC, <i>Epithelial Cancer Group Leader, UQ Diamantina Institute</i>	
12.00-13.00	<b>Student Presentations II</b>	
	<i>A novel role for endogenous IL-22 signalling in the pancreatic <math>\beta</math>-cell-liver axis</i>	Haresh Sajiir MRI-UQ
	<i>Novel molecular diagnostic assays for the detection of cytomegalovirus</i>	Jocelyn Hume UQCCR
	<i>Stimulating the activity of the counter-regulatory renin angiotensin system: a unique approach to prevent dementia</i>	Shirley Tran SBMS
	<i>Inactivation of the local cardiac renin angiotensin system improves cardiac performance after myocardial infarction</i>	Zunhan Lu SBMS
	<i>Infertility, miscarriage, stillbirth, and the risk of stroke among women: a systematic review and meta-analysis</i>	Chen Liang SPH
	<i>Treatment of cutaneous tumours in mouse ear pinnae with local dose sparing concentrations of immunotherapeutic antibodies, result in potent anti-tumour responses and induction of long lived, antigen specific, systemic memory</i>	Quentin Wright UQDI

<b>13.00-14.00</b>	<b>Poster Session I and Lunch</b> (Oral Health Centre Level 4 Seminar Room)	
14.00-14.30	<b>The journey from Anjou to Brisbane: a bench to bedside story</b>	
	In this keynote presentation, Professor Fabienne Mackay will take us on her career journey including roles in industry and academia, to her current role as Director and CEO of QIMR Berghofer Medical Research Institute.	
	Professor Fabienne Mackay, <i>Director and CEO of QIMR Berghofer Medical Research Institute</i>	
<b>14.30-15.00</b>	<b>Student Lightning Presentations I</b>	
	<i>The effect of pathogen associated molecular patterns on skeletal muscles after spinal-cord injury</i>	<b>Selwin Samuel</b> MRI-UQ
	<i>Nurse navigators and the interface of access to care</i>	<b>Clare Hannan Jones</b> SPH
	<i>Exploring the association between obesity and prognosis in triple negative breast cancer: a systematic review and meta-analysis</i>	<b>Larissa Vaz Goncalves</b> SPH
	<i>Characterizing new therapeutic targets in secondary brain cancer</i>	<b>Vaibhavi Joshi</b> UQCCR
	<i>Targeting regulatory T cells in the prevention of UV-induced squamous cell carcinoma</i>	<b>Shoaib Anwaar</b> UQDI
<b>15.00-15.15</b>	<b>Intermission</b>	
15.15-16.00	<b>Panel Discussion: Managing your relationship with your advisor</b>	
	Maintaining an effective relationship with your advisors during your candidature is a key element behind a successful HDR journey. This panel session will address questions from the audience and delve into topics including navigating dynamics within your advisory team, managing feedback and conflict resolution. Panel members will reflect on both sides of the coin - their experiences as HDR candidates and as advisors. Post questions for the panel here <a href="https://tinyurl.com/p87t77em">tinyurl.com/p87t77em</a> .	
	Dr. Kartik Iyer, <i>QIMR-B</i> , Dr. Kevan Jones, <i>Student Services UQ</i> , Associate Professor Michael Piper, <i>SBMS</i> , Dr. Sarah Reedman, <i>CHRC</i>	
<b>16.00-17.00</b>	<b>Student Lightning Presentations II</b>	
	<i>Key features of telehealth-delivered cardiac rehabilitation: a realist review of programme implementation</i>	<b>Victor Gallegos-Rejas</b> CHSR
	<i>Retrospective study of cranioplasty outcomes to inform a novel method for skull bone reconstruction</i>	<b>Isabel Gonzales Matheus</b> RBWH CU
	<i>Health profile of adolescents with intellectual disability</i>	<b>Tran Tuan Anh Le</b> MRI-UQ
	<i>A systematic review of antenatal smoking cessation referral pathways and interventions aimed at increasing the use of locally appropriate smoking cessation services for women during pregnancy</i>	<b>Cheryl Bailey</b> MRI-UQ
	<i>Prognostic value of early leukocyte fluctuations for recovery from traumatic spinal cord injury</i>	<b>Trisha Jogia</b> SBMS
	<i>Cost and affordability of healthy, equitable and sustainable diets in low socioeconomic groups in Australia</i>	<b>Meron Lewis</b> SPH
	<i>Circadian rhythm disruption characterised by behavioural misalignment and breast cancer outcomes: a systematic review</i>	<b>Kelly D'cunha</b> SPH
	<i>Ambient air pollution and acute respiratory infection in children aged under 5 years living in 35 developing countries</i>	<b>Daniel Bogale Odo</b> SPH
	<i>Interleukin-24 involvement in the intestinal response to curdlan in SKG Mice</i>	<b>Amy Cameron</b> UQDI
	<i>Investigating NK cell enhancement in Salmonella Typhimurium infection</i>	<b>Timothy McCulloch</b> UQDI
<b>17.30-19.30</b>	<b>Social Event - Trivia &amp; Pizza Night (Terrace Room, Level 7 Oral Health Centre)</b> Separate registration required via UQ Pay Portal (\$5 per person)	

## Day 2 - 2 December 2021, 08.30 – 17.00

<b>8.30-9.00</b>	<b>Registration</b>	
9.00-9.10	<b>Welcome, and Acknowledgement of Country</b> Professor Marina Reeves, <i>Deputy Associate Dean (Researcher Development), Faculty of Medicine</i>	
<b>9.10-10.30</b>	<b>Student Presentations III</b>	
	<i>Modelling service coverage for psychosis</i>	<b>Kara Jaeschke</b> SPH
	<i>A neurodegenerative disease-causing mutation in colony stimulating factor 1 receptor (CSF1R) alters tissue-resident macrophage population characteristics.</i>	<b>Jennifer Stables</b> MRI-UQ
	<i>Validating the role of Bruton's Tyrosine Kinase (BTK) in Motor Neuron Disease</i>	<b>Sara Jose</b> UGCCR
	<i>A qualitative study on general practitioner perceptions of telephone and videoconference consultations in Australia</i>	<b>Keshia R. De Guzman</b> CHSR
	<i>Therapeutic modulation of chemotherapy-mediated hepatic stellate cell activation in liver cancer</i>	<b>Qi Ruan</b> UQDI
	<i>Perspectives and experiences of digital health with Aboriginal and Torres Strait Islander Community Leaders</i>	<b>Georgina R Chelberg</b> CHSR
	<i>Tissue-specific contributions of WNT production and signalling to cytokine and chemokine responses during E. coli infection</i>	<b>Rhiannon Bolton</b> UQDI
	<i>Evolution of blood-brain barrier disruption after hypoxic-ischemic injury in a neonatal piglet model</i>	<b>Lara Jones</b> UGCCR
<b>10.30-11.00</b>	<b>Morning tea</b>	
11.00-11.30	<b>Workshop: Wellness insights</b>  Meaningful self-care and wellbeing is different for everyone. Wellness begins with the individual determining for themselves what self-care looks like and taking steps to implement and/or maintain this.  The purpose of the Wellness Insights session is for participants to start thinking about their current level of wellbeing and how they might look to improve this. The session also provides an opportunity for team members to gain a better understanding of their colleagues and leaders to gain better insight into their teams in relation staff wellbeing matters.  Mr. Luke Welch, <i>HSW adviser for safety culture at UQ</i>	
<b>11.30-12.30</b>	<b>Student Lightning Presentations III</b>	
	<i>Caring for a child with Down syndrome and sleep difficulties: the parents' experience</i>	<b>Jasneek Chawla</b> CHRC
	<i>Altered bone mineral content and body composition in children and adolescents with confirmed prenatal alcohol exposure</i>	<b>Sophia Young</b> CHRC
	<i>Efficacy of interventions to improve gross motor function in children aged 2-6 years with bilateral cerebral palsy: a systematic review and meta-analysis</i>	<b>Kate McLeod</b> CHRC
	<i>Total body naevus counts in Queensland adults: prospective population-based study</i>	<b>Dilki Jayasinghe</b> CHSR
	<i>The role of macrophage Colony Stimulating Factor Receptor (CSF1R) signalling in the development of high fat diet Induced obesity and liver steatosis</i>	<b>Jesse Masson</b> MRI-UQ
	<i>SCF-complex mediated restriction of mitophagy</i>	<b>Keri-Lyn Subramanian</b> SBMS
	<i>Hypothyroidism in pregnancy induces sex-specific placental perturbations which may contribute to fetal growth restriction</i>	<b>Nykola Kent</b> SBMS
	<i>Targeting the circadian clock modulates the effects of light on the brain</i>	<b>Nicholas Garner</b> SBMS

	<i>Using time-lapse imaging to study how development and errors occur at the beginning of life</i>	<b>Yunan Ye</b> UQCCR
	<i>Primary Ciliary Dyskinesia causal mutations in novel and known PCD genes in an Australian paediatric cohort</i>	<b>Ellie Maas</b> UQDI
<b>12.30-13.30</b>	<b>Poster Session II and Lunch</b> (Oral Health Centre Level 4 Seminar Room)	
13.30-14.30	<b>Networking in post-pandemic world: Strategies to influence your career success</b>	
	The world's changed.... so should your networking strategy.	
	We're not sure if or how long it will last, but the pandemic has changed our views on the way academics have historically done networking: the face-to-face scientific conference. From the impacts to health and the environment, to the costs and time required to attend them, scientists have fundamentally changed their behaviour and attitudes toward conferencing. So with this in mind, how do you approach networking in a post-pandemic world?	
	Beyond discussing the importance of networking to career success, this keynote will dive into the latest trends and approaches for increasing your visibility, establishing new collaborations and becoming known as an expert in your chosen field.	
	Dr. Ken Dutton-Regester, <i>Founder and Director, Excite Science</i>	
<b>14.30-15.50</b>	<b>Student Lightning Presentations IV</b>	
	<i>Microstructural damage following pediatric mild traumatic brain injury does not significantly affect current flow during transcranial direct current stimulation</i>	<b>Athena Stein</b> CHRC
	<i>Correlation between gut microbiome metabolites and host lipid metabolism in Parkinson's disease</i>	<b>Shannon Jewell</b> UQCCR
	<i>The GPR183/oxysterol axis mediates macrophage infiltration and inflammation in the lung during influenza infection</i>	<b>Cheng xiang Foo</b> MRI-UQ
	<i>The influence of wearable technology on healthcare outcomes in chronic disease: a systematic review</i>	<b>Graeme Mattison</b> PCH CU
	<i>Neoantigen coated polymer particles for cancer immunotherapies</i>	<b>Hannah Triscott</b> QIMR-B
	<i>Dominant effect of host genetics on skin microbiota composition in homeostasis and wound healing</i>	<b>Jack Galbraith</b> UQDI
	<i>Community drug retail outlet staff's knowledge, attitudes and practices towards non-prescription antibiotics use and antibiotic resistance in Amhara region, Ethiopia with a focus on non-urban towns</i>	<b>Sewunet Admasu Belachew</b> SPH
	<i>Prevalence of chronic kidney disease in the Indigenous communities of Australia</i>	<b>Visweswar Chilumkurt</b> RBWH CU
<b>15.50-16.15</b>	<b>Afternoon Tea</b>	
16.15-17.00	<b>Awards Presentation and Conclusion</b> Professor Helen Klæbe	



# Poster Presentation Schedule

## Poster Session I

1 December 2021, 13.00 – 14.00, Oral Health Centre Level 4 Seminar Room

1	<i>Single-molecule simultaneous profiling of DNA methylation and DNA-protein interactions with Nanopore-DamID</i>	<b>Yohaann Mohamed Asif</b> Jafrani MRI-UQ
2	<i>The EASY-Health Project: Building capacity of mainstream services in intellectual and developmental disability mental health</i>	<b>Catherine Franklin</b> MRI-UQ
3	<i>The identification and characterization of immunoregulatory mechanisms in malaria: Using optimized-SNE and FlowSOM clustering to identify unique CD4+ T cell subsets in malaria</i>	<b>Luzia Bukali</b> QIMR-B
4	<i>2A: A novel angiotensin converting enzyme 2 stimulator from a snake venom</i>	<b>Haru Nomura</b> SBMS
5	<i>Prevention of heart failure by expression of neuregulin-1-beta1 in cardiomyocytes using adeno-associated virus</i>	<b>Hui Yi Khoo</b> SBMS
6	<i>Visualising complement: validation of C5aR1-specific fluorescent peptide probes</i>	<b>Sandra Parker</b> SBMS
7	<i>Aussie troops' self-reported pain or injury from equipment used on deployment: analysis of closed and open-ended survey data</i>	<b>Catherine Runge</b> SPH
8	<i>Whole genome insights into Australian paediatric gram-negative bloodstream infection pathogens</i>	<b>Ross Balch</b> UQCCR
9	<i>Engineering human dendritic cells for tolerogenic gene therapy in humanised mice</i>	<b>Clara Heider</b> UQDI
10	<i>Antibodies to P. aeruginosa common antigen inhibit serum mediated killing in chronic infection</i>	<b>Joshua Monteith</b> UQDI
11	<i>Wollamide cyclic hexapeptides synergise with tuberculosis antibiotics against Mycobacterium tuberculosis</i>	<b>Rachel Rollo</b> UQDI

## Poster Session II

2 December 2021, 12.30 – 13.30, Oral Health Centre Level 4 Seminar Room

12	<i>Hypnotherapy for procedural pain and distress in children: A scoping review</i>	<b>Daly Geagea</b> CHRC
13	<i>The feasibility, acceptability and efficacy of an app-based intervention (Coping Camp) for stress management among high school students in China</i>	<b>Xiaoyun Zhou</b> CHSR
14	<i>"Lucky" and valuing a "Normal" Life: Longer-term experiences of families of children with dextro-transposition of the great arteries</i>	<b>Karen Eagleson</b> MRI-UQ
15	<i>Targeting the circadian clock modulates the effects of light on the brain</i>	<b>Nicholas Garner</b> SBMS
16	<i>The diagnostic utility of pleural fluid extracellular vesicles for Malignant Pleural Mesothelioma</i>	<b>Tian Mun Chee</b> SBMS
17	<i>Detection of dengue 1 virus in human whole blood, plasma, and serum with near-infrared spectroscopy</i>	<b>Brendon Goh</b> SPH
18	<i>The impact of shortages on antimicrobial resistance in Fiji</i>	<b>James Harris</b> SPH
19	<i>Developing molecular diagnostics for antibiotic resistant gonorrhoea</i>	<b>Olivia Jessop</b> UQCR
20	<i>Two birds with one stone: Can Neisseria gonorrhoea empiric treatment cure Mycoplasma genitalium infection</i>	<b>Lebogang Pamela Mhango</b> UQCR
21	<i>Flagging ovarian cancer cells for destruction by Natural Killer cells</i>	<b>Joshua Wong</b> UQDI
22	<i>Rab6b localises to the Golgi complex in macrophages and promotes TNF release in response to mycobacterial infection</i>	<b>Leslie Carolina Dominguez Cadena</b> UQDI

# Organiser & Sponsors

Faculty of Medicine HDR Student Committee 2021  
E med.hdrsc@uq.edu.au

Athena Stein (CHRC; Chair)  
Dilki Jayasinghe Arachchige (CHSR)  
Hareshh Sajjir (MRI-UQ)  
Svetlana Shatunova (MRI-UQ)  
Kurt Giuliani (RBWH, Clinical Units)  
Austin Read (SBMS)  
Fiona Cheung (SBMS)  
Clare Hannan-Jones (SPH)  
Kara Jaeschke (SPH)  
Amanda Bordin (UQCCR)  
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