





# EMBL Australia Postgraduate Symposium 2018 Programme

*Translational Research Institute, Brisbane Australia*


*Wednesday 28<sup>th</sup> – Friday 30<sup>th</sup> November 2018*


## Wednesday 28<sup>th</sup> November 2018

14:00 – 15:00	<b>Registration</b> <i>Location: Auditorium entrance</i>
15:00 – 15:30	<b>Welcome Address</b> <i>Location: Auditorium</i> <ul style="list-style-type: none"><li>- <b>Jasmina Markulić</b> – EAPS 2018 Chair</li><li>- <b>Prof. Josephine Forbes</b> – Professorial Research Fellow &amp; Program Leader of the Chronic Disease Biology and Care Research, Mater Research, Brisbane</li></ul> <p>Sponsored by: Translational Research Institute</p>  <p><b>TRANSLATIONAL RESEARCH INSTITUTE AUSTRALIA</b></p>
15:30 – 16:30	<b>Keynote Address</b> <i>Location: Auditorium</i> <ul style="list-style-type: none"><li>- <b>Prof. Ian Frazer</b> – Chair of the TRI Foundation Board &amp; Program Leader of the Cancer Immunology Program at the University of Queensland Diamantina Institute, Brisbane</li></ul> <p>Sponsored by: QIMR Berghofer Medical Research Institute</p>  <p><b>QIMR Berghofer</b> Medical Research Institute  THE FUTURE OF HEALTH</p>
16:30 – 17:00	<b>Student Oral Presentations – Translational &amp; Clinical</b> <i>Location: Auditorium</i> <ul style="list-style-type: none"><li>- <b>Henriette Dohnt</b> – QIMR Berghofer Medical Research Institute The growing gap in education: Using quantile regression to identify genetic and environmental sources</li><li>- <b>Sherouk Fouda</b> – RMIT University Does cigarette smoking exacerbate high-fat induced hepatosteatosis to NASH in C57BL/6J mice</li><li>- <b>Lawrence Liew</b> – Ear Science Institute Australia, University of Western Australia Tympanic membrane derived stem cell-like culture for tissue regeneration</li></ul>

17:00 – 18:00	<p><b>Science &amp; Society Panel</b>  <i>Location: Auditorium</i></p> <ul style="list-style-type: none"> <li>- <b>A/Prof. Tracy Ainsworth</b> – Scientia Fellow, University of New South Wales, Sydney</li> <li>- <b>A/Prof. Cedric Bardy</b> – Senior Research Fellow &amp; Group Leader of the Laboratory for Human Neurophysiology and Genetics, South Australian Health &amp; Medical Research Institute, Adelaide</li> <li>- <b>Dr. Lynn Fink</b> – Director of Research, BGI Australia, Brisbane</li> <li>- <b>Prof. Josephine Forbes</b> – Professorial Research Fellow &amp; Program Leader of the Chronic Disease Biology and Care Research, Mater Research, Brisbane</li> <li>- <b>Prof. Ian Frazer</b> – Chair of the TRI Foundation Board &amp; Program Leader of the Cancer Immunology Program at the University of Queensland Diamantina Institute, Brisbane</li> <li>- <b>A/Prof. Lutz Krause</b> – Principal Research Fellow, The University of Queensland Diamantina Institute, Brisbane</li> </ul> <p>Sponsored by: Charles Sturt University</p> 
18:00 – 20:00	<p><b>Welcome Reception</b>  <i>Location: Atrium</i></p> <p>Sponsored by: CSL Limited</p> 

## Thursday 29<sup>th</sup> November 2018

09:00 – 10:00	<p><b>Plenary Address – Oncology</b>  <i>Location: Auditorium</i></p> <ul style="list-style-type: none"> <li>- <b>Dr. C. Glenn Begley</b> – Chief Executive Officer of BioCurate Pty Ltd, Melbourne</li> </ul> <p>Sponsored by: Monash Biomedicine Discovery Institute</p> <div>  <div> <b>MONASH</b>  University </div> <div> <b>MONASH</b>  BIOMEDICINE  DISCOVERY  INSTITUTE </div> </div>
10:00 – 10:30	<p><b>Student Oral Presentations – Oncology</b></p>




	<p><i>Location: Auditorium</i></p> <ul style="list-style-type: none"> <li>- <b>Stefan Bader</b> – Olivia Newton-John Cancer Research Institute, La Trobe University - Monash Institute of Pharmaceutical Sciences, Monash University - ARC Centre for Excellence in Bio-Nano Science Anti-metastasis therapy via nanoparticle mediated drug delivery</li> <li>- <b>Denise Heckmann</b> – The Walter and Eliza Hall Institute of Medical Research Combining forces to treat cancer: how inhibiting the MAPK p38 increases cell death in Smac mimetic-treated leukemic cells</li> <li>- <b>Ming-Jie Luo</b> – The Walter and Eliza Hall Institute of Medical Research Advancing BH3 mimetics for treating non-hematological cancers</li> </ul>
10:30 – 11:00	<p><b>Morning Tea</b> <i>Location: Atrium</i></p>
11:00 – 12:00	<p><b>Plenary Address – Neurobiology</b> <i>Location: Auditorium</i></p> <ul style="list-style-type: none"> <li>- <b>A/Prof. Cedric Bardy</b> – Senior Research Fellow &amp; Group Leader of the Laboratory for Human Neurophysiology and Genetics, South Australian Health &amp; Medical Research Institute, Adelaide</li> </ul> <p>Sponsored by: South Australian Health &amp; Medical Research Institute</p> 
12:00 – 12:30	<p><b>Student Oral Presentations – Neurobiology</b> <i>Location: Auditorium</i></p> <ul style="list-style-type: none"> <li>- <b>Priscila Lima</b> – The University of Queensland Addressing Unmet Therapeutic Needs in Oncology: Perineural Disease</li> <li>- <b>Belal Shohayeb</b> – The University of Queensland The microcephaly gene wd40-repeat protein 62 (wdr62) has a role in cilia regulation in embryonic mice brains</li> <li>- <b>Sunyuan Zhang</b> – The University of Melbourne The ataxin-1 interactome reveals direct connection with multiple disrupted nuclear transport pathways</li> </ul>
12:30 – 13:30	<p><b>Student Lightning Talks</b> <i>Location: Auditorium</i></p> <ul style="list-style-type: none"> <li>- Session 1</li> </ul> <p>Sponsored by: Australian National University – Research School of Biology</p> 
13:30 – 15:00	<p><b>Lunch &amp; Student Poster Presentations</b> <i>Location: Room 2003 + 2004</i></p>

	<p>- Poster Session A</p> <p>Sponsored by: Macrogen</p> 
15:00 – 16:00	<p><b>Plenary Address – Bioinformatics</b> <i>Location: Auditorium</i></p> <p>- <b>Dr. Kim-Anh Lê Cao</b> – NMHRC Career Development Fellow &amp; Senior Lecturer, University of Melbourne, Melbourne</p> <p>Sponsored by: University of Melbourne - Faculty of Medicine, Dentistry and Health Sciences</p>
16:00 – 16:30	<p><b>Student Oral Presentations – Bioinformatics</b> <i>Location: Auditorium</i></p> <p>- <b>Jose Alquicira</b> – Garvan Institute of Medical Research scPred: Single cell type prediction using singular value decomposition and machine learning method</p> <p>- <b>Cristina Fortuno</b> – QIMR Berghofer Medical Research Institute A quantitative model to predict pathogenicity of p53 missense variants</p> <p>- <b>Jamila Iqbal</b> – Griffith University Cytological Profiling with Human Olfactory Neurosphere-derived cells</p>
18:30 – 23:30	<p><b>Symposium Dinner</b> <i>Location: Rydges Hotel</i></p> <p>Sponsored by: Australian Regenerative Medicine Institute</p> 

**Friday 30<sup>th</sup> November 2018**

09:00 – 10:00	
---------------	--

	<p><b>Plenary Address – Ecology</b>  <i>Location: Auditorium</i></p> <ul style="list-style-type: none"> <li>- <b>A/Prof. Tracy Ainsworth</b> – Scientia Fellow, University of New South Wales, Sydney</li> </ul> <p>Sponsored by: University of Sydney – Faculty of Science</p>  <p>THE UNIVERSITY OF SYDNEY</p>
10:00 – 10:30	<p><b>Student Oral Presentations – Ecology</b>  <i>Location: Auditorium</i></p> <ul style="list-style-type: none"> <li>- <b>Melissa Pappas</b> – University of New South Wales The stability of the giant clam holobiont over time and during bleaching stress</li> <li>- <b>Caitlin Romanis</b> – University of Newcastle Annual variation in bloom-forming <i>Microcystis</i> genotypes from an Australian wastewater lagoon</li> <li>- <b>Timothy Stephens</b> – The University of Queensland Understanding cold adaptation and evolutionary transition to symbiosis in dinoflagellates using genomics approaches</li> </ul>
10:30 – 11:00	<p><b>Morning Tea</b>  <i>Location: Atrium</i></p>
11:00 – 12:00	<p><b>Plenary Address – Genetics &amp; Cell Biology</b>  <i>Location: Auditorium</i></p> <ul style="list-style-type: none"> <li>- <b>A/ Prof. Natalie Sims</b> – Deputy Director &amp; Head of the Bone Cell Biology &amp; Disease Unit, St Vincent's Institute of Medical Research, Melbourne</li> </ul> <p>Sponsored by: St Vincent's Institute of Medical Research</p>  <p>ST VINCENT'S INSTITUTE MEDICAL RESEARCH</p>
12:00 – 12:30	<p><b>Student Oral Presentations – Genetics &amp; Cell Biology</b>  <i>Location: Auditorium</i></p> <ul style="list-style-type: none"> <li>- <b>Mischa Lundberg</b> – Diamantina Institute, The University of Queensland Detecting transposable element insertions from whole genome and targeted sequencing data</li> <li>- <b>Gayathri Thillaiyampalam</b> – The University of Queensland Developing a systems-based analysis of miRNA target networks</li> <li>- <b>Sofiya Tsimbalyuk</b> – Charles Sturt University Structural basis for importin alpha 3 specificity of W proteins in Hendra and Nipah viruses</li> </ul>
12:30 – 13:30	<p><b>Student Lightning Talks</b>  <i>Location: Auditorium</i></p>

	<ul style="list-style-type: none"> <li>- Session 2</li> </ul> <p>Sponsored by: Abcam</p> 
13:30 – 15:00	<p><b>Lunch &amp; Student Poster Presentations</b> <i>Location: Room 2003 + 2004</i></p> <ul style="list-style-type: none"> <li>- Poster Session B</li> </ul> <p>Sponsored by: Illumina</p> 
15:00 – 16:00	<p><b>Plenary Address – Immunology &amp; Virology</b> <i>Location: Auditorium</i></p> <ul style="list-style-type: none"> <li>- <b>Prof. Jenny Martin</b> – Director &amp; Principal Research Leader at the Griffith Institute for Drug Discovery, Brisbane</li> </ul> <p>Sponsored by: University of Wollongong, Faculty of Science, Medicine and Health</p>  <p>UNIVERSITY OF WOLLONGONG AUSTRALIA</p>
16:00 – 16:30	<p><b>Student Oral Presentations – Immunology &amp; Virology</b> <i>Location: Auditorium</i></p> <ul style="list-style-type: none"> <li>- <b>Amlan Chakraborty</b> – Monash University Effect of a Small Natural Dietary Compound on Lung Pathology in Acute Airway Inflammation</li> <li>- <b>Minnie Jacob</b> – King Faisal Specialist Hospital and Research Centre, James Cook University Quantitative Biomarker profiling in DOCK8 deficiency and atopic dermatitis patients</li> <li>- <b>Harrison Madge</b> – The University of Queensland Cyclic Multicomponent Lipopeptide Vaccine Candidates Against Group A Streptococcus (GAS)</li> </ul>
16:30 – 17:00	<p><b>Awards Presentation &amp; Closing Address</b> <i>Location: Auditorium</i></p> <ul style="list-style-type: none"> <li>- <b>Jasmina Markulić</b> – EAPS 2018 Chair</li> </ul> <p>Sponsored by: Translational Research Institute</p>  <p>TRANSLATIONAL RESEARCH INSTITUTE AUSTRALIA</p>