

# Colloquium Program

Day 1 Thursday 25 <sup>th</sup> August	
0830 – 0900	<b>Registration</b>
0900 – 0915	<b>Welcome: Professor Stuart Hooper</b>
<b>Cell Therapy and Regenerative Medicine</b> Session Chair: Professor Euan Wallace	
0915 – 0945	<b>Professor Tom Spurling</b> Science and Industry Endowment Fund and the nexus between CSIRO, Monash University and The Ritchie Centre
0945 – 1000	<b>Dr Shayanti Mukherjee</b> Nanostructured strategies for enhancing cell based therapies: going small yet aiming big
1000 – 1015	<b>Dr Abhilasha Tiwari</b> Umbilical cord blood: clinical application
1015 – 1030	<b>Michael Chae</b> 3D Bioprinting: novel applications
1030 – 1045	<b>Dr Jurgen Schmitz</b> Clinical Translation at Miltenyi Biotech
1045 – 1115	<b>Morning Tea</b>
1115 – 1200	<b>Professor John Rasko</b> Progress in gene therapy for genetic diseases
1200 – 1300	<b>Poster Blitz</b>
1300 – 1400	<b>Lunch &amp; MHP Tours</b>
<b>Women's and Children's Health (Neonatal &amp; Paediatrics)</b> Session Chairs: Professor Nick Freezer	
1400 – 1430	<b>A/Professor Jerry Chan</b> Deriving novel biomarkers for endometriosis
1430 – 1445	<b>Dr Annie McDougall</b> Does Trop2 regulate growth and development of the fetal lung?
1445 – 1500	<b>Dr Courtney McDonald</b> Umbilical cord blood cells reduce neuro-inflammation: a potential treatment for perinatal brain injury
1500 – 1515	<b>Dr Ina Rudloff</b> Serum interleukin 38 is associated with disease severity and organ involvement in systemic lupus erythematosus
1515 – 1530	<b>Open Discussion/Questions</b>
1530 – 1600	<b>Afternoon Tea</b>
<b>Women's and Children's Health (Reproductive)</b> Session Chairs: Professor Lois Salamonsen and Dr Fiona Cousins	
1600 – 1630	<b>Professor David Gardner</b> The road to single embryo transfer in IVF: How basic research translated into routine human blastocyst transfer and a resultant increase in take home baby rate
1630 – 1645	<b>A/Professor Eva Dimitriadis</b> Human blastocyst non-coding RNA as biomarkers and treatment targets for infertility
1645 – 1700	<b>A/Professor Caroline Gargett</b> Developing a cell-based therapy for pelvic organ prolapse
1700 – 1715	<b>Dr Miranda Davies-Tuck</b> High risk home birth in Victoria

1715 – 1730	Open Discussion/Questions
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### Ritchie Centre Public Forum

#### Stem Cell Therapies: Where are we now and where are we going? Clinical trials, current and potential treatments

1800 – 1830	Dinner
1830 – 2000	<p><b>Chair:</b> Professor Euan Wallace  <b>Moderator:</b> Dr Susan Hawes  <b>Discussion Panel:</b>  Professor Iona Novak  A/Professor Dan Chambers  Professor John Rasko  Dr Rebecca Lim  Professor Alan Trounson  Dr Sherry Kothari</p>

### Day 2 Friday 26<sup>th</sup> August

#### Cell Therapy and Regenerative Medicine: Stem cells in paediatric clinical trials

Session Chairs: Dr Bryan Leaw & Dr Stacey Ellery

0910 – 0915	<b>Welcome: Professor Graham Jenkin</b>
0915 – 0935	<p><b>Dr Marian Sturm</b>  Multi-site adult stem cell trials in Western Australia</p>
0935 – 0955	<p><b>A/Professor Jerry Chan</b>  Molecular therapy for the unborn child</p>
0955 – 1015	<p><b>Dr Rebecca Lim</b>  First-in-man trial of amnion epithelial cells: our journey so far</p>
1015 – 1035	<p><b>Professor Mark Kirkland</b>  Innovative expansion technologies for umbilical cord blood transplantation</p>
1035 – 1045	<b>Open Discussion/Questions</b>
1045 – 1100	<b>Morning tea</b>

#### Cell Therapy and Regenerative Medicine: Stem cells in paediatric clinical trials

Session Chairs: Dr Chris Daly & Dr Jean Tan

1100 – 1120	<p><b>Professor John Rasko</b>  Disentangling hope, realism and quackery in stem cell therapy</p>
1120 – 1140	<p><b>A/Professor Dan Chambers</b>  Results of a first-in-man study of mesenchymal stem cell therapy for bronchiolitis syndrome</p>
1140 – 1200	<p><b>Professor William Sievert</b>  Amnion epithelial cells for compensated liver cirrhosis - Phase 1b single ascending dose safety study</p>
1200 – 1220	<p><b>Professor Richard Macdonell</b>  Phase II observational study of haematopoietic stem cell transplantation for highly active, treatment resistant multiple sclerosis</p>
1220 – 1300	<b>Open Discussion/Questions</b>
1300 – 1330	<b>Lunch</b>

#### Cell Therapy and Regenerative Medicine: Regenerative Medicine

Session Chairs: Dr Domenic LaRosa and Dr Abhi Tiwari

1330 – 1350	<p><b>Professor Christine Wells</b>  Molecular classification of mesenchymal stromal cells: meta-analysis and implementation of the MSC test</p>
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<b>1350 – 1405</b>	<b>Dr Shen Heazlewood</b> The bone marrow niche: the hub of HSC regulation
<b>1405 – 1420</b>	<b>Dr Christian Nefzger</b> Functional and transcriptional decline in the intestinal stem cell niche during ageing
<b>1425 – 1430</b>	<b>Open Discussion/Questions</b>
<b>1430 – 1445</b>	<b>Afternoon Tea</b>
<b>Cell Therapy and Regenerative Medicine: Biometrics and Bioreactors</b> Session Chairs: Dr Shayanti Mukherjee and Dr Kanika Jain	
<b>1445 – 1505</b>	<b>Professor Justin Cooper-White</b> High throughput approaches to deciphering biophysical and biochemical cues for directed stem cell differentiation
<b>1505 – 1520</b>	<b>Dr Jessica Frith</b> Manipulating cell-biomaterial interactions to direct stem cell fate for regenerative medicine
<b>1520 – 1535</b>	<b>Dr Dayalan Gunasegaram</b> Use of FEA for the development of POP meshes and simulating their in-vivo performance
<b>1535 – 1600</b>	<b>Open Discussion/Questions</b>
<b>1600 – 1630</b>	<b>Poster Blitz Prizes / Drinks</b>
<b>1630 – 1715</b>	<b>ECR Workshop</b>
<b>Close</b>	

The Ritchie Centre | Hudson Institute of Medical Research Department of Obstetrics and Gynaecology & Paediatrics, School of Clinical Sciences, Monash University

