

PROGRAM

Sunday 8th November 2015

Registration

1:00pm - 5:30pm

Pre-Function Foyer

SCA Retreat Welcome and Opening

1:30pm - 1:45pm

Semillon 2

SCA Retreat Session #1: Pluripotency and Reprogramming Theme

1:45pm - 2:45pm

Semillon 2

SCA retreat session #2: Cardiac Regeneration and Repair Theme

2:45pm - 3:45pm

Semillon 2

President's Welcome

4:00pm - 4:10pm

Semillon 1 & 2

Keynote Presentation

4:10pm - 5:00pm Semillon 1 & 2

Mahendra Rao

iPSC based cell therapy: Issues and Solutions

abs# 01

Patient Advocate Presentation

5:00pm - 5:10pm

Semillon 1 & 2

Adam Johnston

'Dance with the one that brung ya': What is community engagement and why it might just save your career.

abs# 02

Cynata Welcome Reception Sponsored Talk

5:10pm - 5:15pm

Semillon 1 & 2

Best of the Best Poster Presentations

5:15pm - 5:30pm

Semillon 1 & 2

- 5:15 PM **Avani Yeola**
Generating multipotent stem cells from primary human adipocytes *abs# 225*
- 5:17 PM **Rebecca Playne**
Optimising the generation of human ventral midbrain dopamine neurons from directly reprogrammed neural precursor cells *abs# 244*
- 5:19 PM **Melissa Mangala**
Modelling Best disease with human embryonic stem cells reveals key difference in chloride and calcium conductance *abs# 243*
- 5:21 PM **Denise Miles**
TRIM28 underpins the H3K9me3 epigenetic barrier to induced pluripotent stem cell reprogramming *abs# 135*
- 5:23 PM **Kanika Jain**
Cardiogenesis of Embryonic Stem Cells with Liquid Marble Micro-Bioreactor *abs# 121*
- 5:25 PM **Elvira Foote**
Physiological role of endogenous adult cardiac colony-forming unit fibroblasts *abs# 112*

Welcome Reception, Trade Display & Poster Session I

5:30pm - 6:30pm

Semillon 3/Pre-Function

Foyer/Chardonnay/Verdelho

Sponsored by



SCA Meeting 1: SLG/SAC (International) combined committee meeting

6:30pm - 8:00pm

Shiraz Room

Buses leave for JI evening event

6:45pm - 7:00pm

JI evening event

7:00pm - 10:00pm

East Cessnock Bowling Club

Buses return from JI evening event

10:00pm - 10:30pm

Monday 9th November 2015

Corporate Breakfast Session

7:00am - 8:00am

Semillon 1 & 2
Lonza
Sponsored by  **PEPROTECH**
Manufacturer of Quality Cytokine Products

Summary: The recent development of the technology to grow organoid cultures from various organs including prostate, intestine, liver, breast, brain and lung has impacted the field of adult tissue stem cell research and human diseases. Combined with the age of genome editing such as CRISPR/Cas9 technology this represents a major advance allowing powerful genome-scale screens employing gene inactivation or modification along with other strategies that modulate transcriptional activity all performed as functional assays in a dish. Such recent technological developments have opened up new avenues to model human disease and design new therapeutic approaches from gene manipulation to personalized treatment.

Jordane Malaterre

Manipulation of Stem Cells in 3D opens Doors to the Study of Disease

abs# 03

Helen Pearson

Investigating the PI3K pathway in prostate cancer using clinically relevant models

abs# 04

Registration

8:00am - 5:00pm

Pre-Function Foyer

Plenary I: Basic Biology of Pluripotent Stem Cells & Differentiation

8:30am - 10:00am

Semillon 1 & 2

8:30 AM

Michael Rudnicki

Molecular regulation of muscle stem cell asymmetric division

abs# 05

9:00 AM

Patrick Tam

Characterization of the lineage propensity of epiblast stem cells

abs# 06

9:30 AM

Stephen A Wood

USP9X "stemness" protein directly regulates Wnt, Notch and mTORC1 signalling in neural stem cells, in vivo and in vitro.

abs# 07

9:45 AM

Lizhe Zhuang

Pericytes as microenvironmental regulators of skin tissue regeneration and skin ageing

abs# 08

Morning Tea with Trade Display

10:00am - 10:30am

Semillon 3/Pre-Function Foyer

Concurrent Session IA: Bioengineering Tissues

10:30am - 12:00pm

Semillon 2

- 10:30 AM **Robert M I Kapsa**
Autologous Cell Replacement Therapy for Hereditary Muscle Disease *abs# 09*
- 10:55 AM **James Hudson**
Bioengineering human heart muscle *abs# 10*
- 11:20 AM **Jessica E Frith**
MicroRNA Signalling In Mesenchymal Stem Cells In Response To Mechanical Cues
abs# 11
- 11:40 AM **Ilaria Stefani**
Electrospun Poly(caprolactone)/Poly(lactide-co-trimethylene carbonate) Composite
Tubular Scaffold for Small Diameter Vessel Tissue Engineering *abs# 12*

Concurrent Session IB: Mixed Theme

10:30am - 12:00pm

Semillon 1

- 10:30 AM **Rod Dunbar**
Mesenchymal cell populations in adult human tissues *abs# 13*
- 11:15 AM **Naisana Asli**
Signaling Cascades in Cardiac Stem Cell State Modulation: Indications for MSC-mediated Cardiac Regeneration *abs# 14*
- 11:35 AM **Qiao Qiao**
Characteristics of stromal stem cells in the foetal liver *abs# 256*
- 11:40 AM **Joshua Tay**
Prostaglandin I₂ (PGI₂) in the niche protects haematopoietic stem cell (HSC) from irradiation stress *abs# 148*
- 11:45 AM **Jean Tan**
Conducting the Inflammatory Orchestra: How Amnion Epithelial Cells Resolve Lung Injury through Lipoxin A4 *abs# 257*
- 11:50 AM **Dhanushi Abeyhunawardena**
Gene regulatory network conferring an epicardial identity to cardiac MSCs *abs# 101*
- 11:55 AM **Ken Woo**
LPC-like cells derived from pluripotent stem cells *abs# 152*

Lunch Break at Trade Displays

12:00pm - 2:00pm

Semillon 3/Pre-Function Foyer

SCA retreat session #3: Neural Regeneration and Repair Theme

1:00pm - 2:00pm

Semillon 2

Concurrent Session IIA: Ethics and Legal

2:00pm - 3:20pm

Semillon 2

Chair: James Chong

- 2:00 PM **Tamra Lysaght**
Fast-tracking Regenerative Medicine in Japan: Challenge or Opportunity for Stem Cell Science? *abs# 17*
- 2:20 PM **Catherine Waldby**
Regulating innovative stem cell therapies *abs# 15*
- 2:40 PM **Megan Munsie**
'Cutting for stone' - defining domains of professional competency in the stem cell medicine market *abs# 16*
- 3:00 PM Facilitated discussion

Concurrent Session IIB: Stem & Derivative Cell Epigenetics

2:00pm - 3:20pm

Semillon 1

- 2:00 PM **Andras Nagy**
The routes of reprogramming to alternative states of pluripotency *abs# 18*
- 2:25 PM **Marnie Blewitt**
Histone H3 Lysine 9 methylation has a causal role in establishing gene silencing *abs# 19*
- 2:50 PM **Rachel Shparberg**
L-proline induces the differentiation of mouse embryonic stem cells to neuroectoderm and mature neural cells *abs# 20*
- 3:05 PM **Nadeeka Bandara**
Nitric oxide promotes osteogenic differentiation of adipose derived stem cells through activation of the Wnt/ β -catenin signalling pathway *abs# 21*

Afternoon Tea with Trade Display

3:20pm - 3:50pm

Semillon 3/Pre-Function Foyer

Concurrent session IIIA: Neural Stem Cells and Development

3:50pm - 5:00pm

Semillon 2

- 3:50 PM **Bryce Vissel**
Not available at time of printing *abs# 22*
- 4:15 PM **Anushree Balachandran**
CRISPR/Cas9 mediated generation of SOX10 reporter line to isolate SOX10⁺ neural crest differentiated from human pluripotent cells *abs# 23*
- 4:30 PM **Jonathan C Niclis**
Bioengineered scaffolds enhance the functional integration of transplanted human embryonic stem cell-derived cortical progenitors in an animal model of focal ischemia *abs#24*
- 4:45 PM **Sonia Sanz Muñoz**
Apolipoprotein e and amyloid β expression during reprogramming and differentiation of induced pluripotent stem cells in alzheimer's disease *abs# 25*

Concurrent session IIIB: Mixed Theme

3:50pm - 5:00pm

Semillon 1

- 3:50 PM **Stephen Ting**
Ap2a2 is a determinant for haematopoiesis. *abs# 26*
- 4:15 PM **Elizabeth S Ng**
HOXA gene expression defines definitive fetal hematopoietic cells differentiated
from human embryonic stem cells *abs# 27*
- 4:30 PM **Tracy Seymour**
Gene expression profiles in glioblastoma and gliosarcoma reveal novel therapeutic
targets *abs# 28*
- 4:45 PM **Robert E Nordon**
Understanding stem cell development through single cell vertical biology *abs# 29*

Coffee Break

5:00pm - 5:15pm

Semillon 3/Pre-Function Foyer

npj Regenerative Medicine Journal Launch

5:15pm - 5:45pm

Semillon 1 & 2

Reception, Trade Display & Poster Session II

5:45pm - 6:45pm

Semillon 3/Pre-Function Foyer/Chardonnay/Verdelho

Sponsored by

nature publishing group 

Conference Dinner

7:00pm - 10:00pm

Cabernet-Merlot Room

Tuesday 10th November 2015

Registration

8:00am - 9:00am

Pre-Function Foyer

Plenary II: Stem Cells and Clinical Translation

8:30am - 10:00am

Semillon 1 & 2

- 8:30 AM **Meri Firpo**
Not available at time of printing *abs# 30*
- 9:15 AM **Bernard E Tuch**
Co-encapsulation and co-transplantation of activated mesenchymal stem cells reduces pericapsular fibrosis and improves encapsulated islet function when allografted into diabetic recipients *abs# 31*
- 9:30 AM **Thomas Duncan**
Fate and Rate-restricted Adult Skin-derived Neural Precursors Engraft into the Hippocampus and Rescue Age-related Memory Dysfunction *abs# 32*
- 9:45 AM **Tracy Heng**
How do short-lived mesenchymal stem/stromal cells exert long-term therapeutic effects? *abs# 33*

Morning Tea with Trade Display

10:00am - 10:30am

Semillon 3/Pre-Function Foyer

Concurrent Session IVA: Stem Cell Companies – More than One Way to get to the Market Place

10:30am - 12:00pm

Semillon 2

- 10:30 AM **Bernie Tuch and Glenn Cross**
Introduction
- 10:45 AM **Claudia Gregorio-King**
Cord Blood Banking: A service model stem cell business *abs# 34*
- 11:00 AM **Paul Anderson**
Mesenchymal Stem Cells: Orthocell *abs# 35*
- 11:15 AM **Kilian Kelly**
Pluripotent Stem Cells: Cynata *abs# 36*
- 11:30 AM **Dominic Wall**
Manufacturing: Cell Therapies *abs# 37*
- 11:45 AM **Mark Kirkland**
Cytomatrix – a seven year journey from university spin out to US biotech *abs# 38*

Concurrent Session IVB: Mixed Theme

10:30am - 12:00pm

Semillon 1

- 10:30 AM **Peter Zandstra**
Not available at time of printing *abs# 39*
- 10:55 AM **Li-yen Wong**
Targeted Direct Reprogramming of Cardiac Fibroblasts to Cardiomyocytes using a Stimuli-Responsive, Self-Assembled Delivery System *abs# 40*
- 11:15 AM **Christian M Nefzger**
Many roads lead to Rome – cell type specific routes to pluripotency *abs# 41*
- 11:30 AM **Vaibhao Janbandhu**
Metabolic regulation of adult cardiac-resident stem cells in the hypoxic niche *abs# 42*
- 11:45 AM **Thao TN Nguyen**
EphrinB1 enhances bone marrow mesenchymal stem/ stromal cell support of haematopoietic stem cells *abs# 43*

Lunch

12:00pm - 2:00pm

Semillon 3/Pre-Function Foyer

SCA Retreat Session #4: Hematopoiesis Theme

12:00pm - 12:50pm

Semillon 2

JI Day Event

12:00pm - 12:50pm

Semillon 1

ASSCR AGM

1:00pm - 2:00pm

Semillon 1 & 2

SCA Meeting: GC Meeting

1:00pm - 2:00pm

Shiraz Room

Plenary III: Disease Modelling

2:00pm - 3:00pm

Semillon 1 & 2

- 2:00 PM **Christine Mummery**
Derivatives of human pluripotent stem cells and isogenic controls in understanding genetic cardiovascular disease *abs# 44*
- 2:30 PM **Lezanne Ooi**
Ubiquitin proteasome system dysfunction and pro-inflammatory signalling in induced pluripotent stem cell-derived motor neurons and astrocytes from motor neurone disease (MND) patients *abs# 45*
- 2:45 PM **Ariadna Recasens**
A new iPS-derived neuronal model to investigate sodium valproate toxicity in patients with POLG mutations *abs# 46*

Conference Awards Presentations

3:00pm - 3:30pm

Semillon 1 & 2

Buses Depart for Sydney Airport

4:00pm - 4:15pm

POSTERS

Poster Session I – Sunday 5:30pm – 6:30pm Exhibition Room/Pre Function Foyer

Dhanushi Abeygunawardena

Gene regulatory network conferring an epicardial identity to cardiac MSCs *abs#101*

Sandeep Agrawal

Mycophenolate mofetil induced increase in mucin expression in primary cultures of oral mucosal epithelial cells finds application in limbal stem cell deficiency *abs#102*

Walaa Alsanie

Regional specification of neuronal population from ground state pluripotent stem cells *abs#103*

Abdullah Alshawaf

Functional characterization of cultured neurons derived from human pluripotent stem cells *abs#104*

Neil Andrewartha

Human amnion epithelial cells modulate liver progenitor cell proliferation and differentiation *abs#105*

Monique Bax

Five phosphatidylcholine species change during differentiation of induced pluripotent stem cells into neurons *abs#106*

Stephanie F Bellmaine

Controlling stem cell fate via chemical inhibition of DYRK kinases *abs#107*

Alexis Bosman

Using Induced Pluripotent Stem Cells (iPSC) to Uncover the Mechanisms Underlying an Enhanced Risk of Atrial Fibrillation *abs#108*

Joseph Chen

Canonical Wnt signaling enhances neural and cardiac differentiation of mouse embryonic stem cells in a dose dependent manner *abs#109*

Nona Farbehi

Analysing molecular pathways underlying the activation of quiescent cardiac MSC precursors using factorial design and RNA-seq *abs#110*

Hananeh Fonoudi

Investigating Early Cardiac Development In Patients With Hypoplastic Left Heart Using Human Induced Pluripotent Stem Cells *abs#111*

Elvira Forte

Physiological role of endogenous adult cardiac colony-forming unit fibroblasts *abs#112*

Qi Gu

Bioprinting 3D Functional Neural Tissue Using Human Neural and Induced Pluripotent Stem Cells *abs#113*

Saliya Gurusinghe

Lentiviral Vector Expression of Klf4 Suppresses Dedifferentiation of Equine Chondrocytes *in vitro* Through Enhancement of TGF β Signalling *abs#114*

Sarah Hemming

Methyltransferase Ezh2 regulates newborn skeletal development *abs#115*

Damian Hernandez

Cardiac differentiation and maturation of cardiomyocytes from human induced pluripotent stem cells: the benefits of short- and long-term electrical stimulation. *abs#116*

Robin M Hobbs	Characterization of molecular mechanisms defining germline progenitor cell heterogeneity and fate	<i>abs#117</i>
Jihane Homman-Ludiye	Does alteration of ephrin-A2 regulation of neural stem cells transition to neuron cause autism?	<i>abs#118</i>
Lieven Huang	Characterization of the ischemic response in the non-human primate neocortex	<i>abs#119</i>
Siiri E Iismaa	Myocardial response to injury is improved with preservation of postnatal cardiomyocyte proliferative competence	<i>abs#120</i>
Kanika Jain	Cardiogenesis of Embryonic Stem Cells with Liquid Marble Micro-Bioreactor.	<i>abs#121</i>
Tim Kao	Human pluripotent stem cells as a model of embryonic development and differentiation: Novel gene expression systems	<i>abs#122</i>
Anja S Knaupp	How does Oct4 mediate pluripotency?	<i>abs#123</i>
Roland Leathers	A Novel Essential 8 Media System for Robust Weekend-Free Culture of Human Pluripotent Stem Cells	<i>abs#124</i>
Roland Leathers	Differentiation of Midbrain Floor Plate Progenitors and Dopaminergic Neurons from Human Pluripotent Stem Cells	<i>abs#125</i>
Jarmon Lees	Mesendoderm differentiation is delayed in metabolically aberrant human ESCs	<i>abs#126</i>
Jane Li	Organ-on-a-chip model to study haemogenic endothelial blood formation	<i>abs#127</i>
Seakcheng Lim	Investigating the role of RBBP9 activities in human pluripotent stem cell maintenance.	<i>abs#128</i>
Hai C Ly	Metabolism regulates cell fate and the rate of asymmetric division in skeletal muscle stem cells	<i>abs#129</i>
Barbara Maier	Patient iPSC-based modelling of genetic renal disease	<i>abs#130</i>
Elizabeth A Mason	Gene expression variability is a hallmark of network remodelling during lineage commitment	<i>abs#131</i>
Cristiana Mattei	Graphene foam is a valid 3D scaffold for culturing hESC-derived cortical progenitor cells.	<i>abs#132</i>
Riley McMahon	Cellular outcomes of regulating malate-aspartate shuttle in human embryonic stem cells	<i>abs#133</i>
Robyn Meech	Control of Wnt Signaling in Muscle Stem Cells	<i>abs#134</i>
Denise Miles	TRIM28 underpins the H3K9me3 epigenetic barrier to induced pluripotent stem cell reprogramming	<i>abs#135</i>
Naomi Morison	Development of a two part system providing enhanced post-thaw recovery of pluripotent stem cells & reducing cellular stress associated with a broad range of applications	<i>abs#136</i>
Naomi Morison	Highly efficient media system for definitive endoderm induction from human pluripotent stem cells	<i>abs#137</i>
Ali Motazedian	B-lymphocyte differentiation from Pluripotent Stem Cells	<i>abs#138</i>
Amy M Nicks	Purification of murine cardiomyocytes from postnatal and adult hearts	<i>abs#139</i>

Withdrawn	<i>abs#140</i>
Dmitry A Ovchinnikov	
Using CRISPR/Cas9-based technologies to address the role of the β -amyloid precursor gene, <i>APP</i> , in the development of the neuronal Down's syndrome phenotypes in an hPSC-based <i>in vitro</i> system.	<i>abs#141</i>
Mirsada Prasko	
Examination of 5-Fluorouracil induced damage and regeneration of the intestinal epithelium during aging	<i>abs#142</i>
Nima Purvis	
The pathophysiological role of microRNAs in diabetic cardiac stem cells	<i>abs#143</i>
Jessica Schwaber	
Lineage Commitment - A Stochastic Model of Cell Fate Decision	<i>abs#144</i>
Abbas Shafiee	
Priming of endothelial colony forming cells by mesenchymal niche enhances their engraftment level and vasculogenic potential	<i>abs#145</i>
Abbas Shafiee	
<i>In Vivo</i> Hierarchy of Self-Renewal and Anatomical Localization of Resident Endothelial Progenitors and Mature Endothelial Cells	<i>abs#146</i>
Nathalia M Tan	
3D reconstruction of genome-wide gene expression and regulation in mouse hearts	<i>abs#147</i>
Joshua Tay	
Prostaglandin I ₂ (PGI ₂) in the niche protects haematopoietic stem cell (HSC) from irradiation stress	<i>abs#148</i>
Eva Tomaskovic-Crook	
Application of Methacrylate Gelatin for Neural Induction of Human Induced Pluripotent Stem Cells	<i>abs#149</i>
Liyuan Wang	
Live cell imaging of angiogenic responses of human umbilical vein endothelial cells by single chain FRET probe	<i>abs#150</i>
Withdrawn	<i>abs#151</i>
Ken H Woo	
LPC-like cells derived from pluripotent stem cells	<i>abs#152</i>
Katharina Wystub-Lis	
Unravelling the epigenetic states and diversity of cardiac stem cells using unbiased single cell profiling	<i>abs#153</i>
Shiang Lim	
Mdivi-1, a mitochondrial fission protein DRP1 inhibitor, directs cardiac differentiation of human induced pluripotent stem cells	<i>abs#154</i>
Jennifer Hollands	
In vitro differentiation of human ipsc reporter lines to neurons for tractable in vivo analysis in rodents	<i>abs#155</i>
Loan TY Le	
Enhancement of cardiac progenitor cells derived from cryopreserved human heart samples	<i>abs#156</i>
Xiaodong Liu	
Dissecting the reprogramming pathways of human fibroblasts	<i>abs#157</i>

Siti Naquia Abdul Rahim

Effects of Conductive Polymer Mediated Electrical Stimulation on Neural Differentiation of Human Induced Pluripotent Stem Cells *abs#201*

Sara Alaei

Generation of an improved reprogramming mouse model with M3 revers transcriptional transactivator. *abs#202*

Suad Alateeq

Double nickase mediated seamless repair of HBB mutation in beta thalassemia iPSCs. *abs#203*

Majid Alhomrani

Exosome depletion of amnion epithelial cell conditioned media exerts anti-fibrotic effects *abs#204*

Ana Antonic

A microfluidic based in vitro model of human axonal growth and stem cell migration *abs#205*

Deevina Arasaratnam

The Distinctive MicroRNA Expression Signature of Human Embryonic Stem cell-derived Cardiomyocytes *abs#206*

Withdrawn *abs#207*

Freya F Bruveris

Human primitive blood cell formation occurs from a distinct haemogenic endothelium independent of SOX17 *abs#208*

Lara Bush

Umbilical cord blood (UCB) derived Mononuclear Cells (MNCs) and their ability to repair brain abnormalities and injury in intrauterine growth restriction (IUGR) *abs#209*

Luke Carroll

Successful Differentiation of Human Embryonic Stem Cells into primitive gut tube while Encapsulated in Immune-Isolative Alginate *abs#210*

Ai-Leen Chan

The role of Sall4 in germline stem cell maintenance and fertility *abs#211*

Withdrawn *abs#212*

Rachael Chatterton

A Stem cell approach for investigating Hendra virus pathogenesis *abs#213*

Kajal Chaudhry

Quantifying Anti-leukemic potency of CD19-specific T cells against chemoresistant acute lymphoblastic leukemia (ALL) by Time-Lapse Imaging and Single-Cell Tracking *abs#214*

Jarny Choi

Haemosphere: an online portal for access and analyses of haematopoietic expression data *abs#215*

Hun S Chy

Novel monoclonal antibodies generated which detect human pluripotent stem cells and determine distinct states of their pluripotency. *abs#216*

Anthony L Cook

Defining conditions for a human stem cell model of the glaucoma-affected trabecular meshwork cell lineage *abs#217*

Magdaline Costa

Generation of iPS cells from AML samples to study leukaemia. *abs#218*

Kathryn C. Davidson

Wnt/beta-catenin signaling in human naive pluripotency *abs#219*

Dzung Do-Ha

Investigating the non-cell autonomous effect in ALS using an iPSC derived disease model *abs#220*

Mike Doran

Direct bone marrow HSC transplantation enhances local engraftment at the expense of systemic engraftment in NSG mice; Characterising critical animal model artefacts *abs#221*

Ngairé J Elwood

Cord blood contains cells with cardiac progenitor-like cell phenotype markers. *abs#222*

- Martin Engel**
Cholinergic neurons differentiated from sporadic Alzheimer's disease patient stem cells show disease-relevant tau pathology *abs#223*
- Carlos W Gantner**
Generation of clinical grade dopamine neurons from embryonic stem cells for Parkinson's disease under xeno-free conditions *abs#224*
- Jerry Gao**
Analysis of Single Cell Fate Using Cellular Barcoding and tSNE *abs#225*
- Caroline E Gargett**
Culture Expansion of Undifferentiated Human Endometrial Mesenchymal Stem Cells Using a TGF β Receptor Inhibitor *abs#226*
- Katherine P Gill**
Isolation of primary retinal ganglion cells and retinal pigment epithelium cells for gene expression comparison with human pluripotent stem cell derivatives *abs#227*
- Hannah Glover**
Building brains with amino acids: understanding the mechanism of mouse embryonic stem cell neural differentiation using L-Proline *abs#228*
- Sal Lee S L Goh**
Therapeutic CSF-1 blockade dampens leukaemia stem cell growth and helps delay leukaemia progression *in vivo* *abs#229*
- Jeannette JCH Hallab**
Title: Further investigating the role of Elk1 during cardiogenesis *abs#230*
- Kouichi Hasegawa**
Growth factor- and ECM-free defined culture system for human pluripotent stem cell derivation and expansion *abs#231*
- Dhanisha J. Jhaveri**
Divided within: Presence of distinct, stimulus-specific subpopulations of quiescent precursors in the adult mouse hippocampus. *abs#232*
- David Kang**
Genetic Fate Mapping of Novel Embryonic Vascular Stem-Like Cells and Their Contribution to Coronary Vascular Development *abs#233*
- Melissa LM Khoo**
Autologous Haematopoietic Stem Cell Transplantation For Autoimmune Diseases: Graft Transcriptome and Immunophenotype *abs#234*
- Gina Kusuma**
Decellularised extracellular matrices promote mesenchymal stem cells expansion and support osteogenic differentiation *abs#235*
- Sin Nee Lau**
A Cell Therapy for Premature Babies *abs#236*
- Bryan Leaw**
Human amnion epithelial cells have neuroprotective properties in a mouse model of bronchopulmonary dysplasia *abs#237*
- Grace E Lidgerwood**
Defined conditions for the induction and expansion of human pluripotent stem cell-derived retinal pigmented epithelium *abs#238*
- Rebecca Lim**
Amniotic Exosomes – The Way Forward? *abs#239*
- Jeffrey Y J Looi**
Safety of Intracoronary Human Cord Blood Stem Cells in a Lamb Model of Infant Cardiopulmonary Bypass *abs#240*
- Michael Lovelace**
The kynurenine pathway of tryptophan metabolism modulates neural stem cell proliferation *abs#241*
- Amina Maleken**
Human amnion epithelial cells (hAEC) and their secreted exosomes in the treatment of bronchopulmonary dysplasia (BPD) *abs#242*

- Melissa Mangala**
Modelling Best disease with human embryonic stem cells reveals key difference in chloride and calcium conductance abs#243
- Rebecca Playne**
Optimising the generation of human ventral midbrain dopamine neurons from directly reprogrammed neural precursor cells abs#244
- Ling Qian**
Induced Pluripotent Stem Cell Model of Pulmonary Arterial Hypertension abs#245
- Mohamed I. Saad**
Human Amnion Epithelial Cells Promote Lung Regeneration Via Endogenous Lung Progenitors abs#246
- Riana Samuel**
Understanding the Association Between Seizures and Neuronal Cell Degeneration Following Birth Asphyxia, and the Neuroprotective Potential of Umbilical Cord Blood Stem Cells abs#247
- Withdrawn** abs#248
- Lincon A Stamp**
Optogenetics Demonstrates Functional Innervation of Colonic Muscle by Neurons Derived from Transplanted Neural Progenitors abs#249
- Mei-Wei Tran**
Characterisation of adult skin-derived neural precursor cells abs#250
- An Truong**
Understanding migration of adult human skin-derived neural precursors *in vitro* and *in vivo*. abs#251
- Michael Valenzuela**
The DOGS+CELLS Trial: Patient-specific Skin-derived Neural Precursor Cell Therapy in Old Dogs with a Dementia-like Syndrome abs#252
- Serena Viventi**
In vitro and in vivo characterization of sensory neurons derived from Friedreich Ataxia induced pluripotent stem cells. abs#253
- Avani Yeola**
Generating multipotent stem cells from primary human adipocytes abs#254
- Dandan Zhu**
Human amnion epithelial cells as a treatment for bronchopulmonary dysplasia and associated pulmonary hypertension abs#255
- Qiao Qiao**
Characteristics of stromal stem cells in the foetal liver abs#256
- Jean L Tan**
Conducting the Inflammatory Orchestra: How Amnion Epithelial Cells Resolve Lung Injury through Lipoxin A4 abs#257