

## PROGRAM

**8.30 am – 8.35 am – Opening remarks (Prof. Paul R. Clarke)**

**SESSION I (Chair: Dr. Linda Gallo)**

8.35 am – 9.05 am – **PLENARY I - Dr. Jatin Patel, UQDI**

9.05 am – 9.20 am: Dr. Dubravka Skalamera, MMRI, TRI, UQ

9.20 am – 9.35 am: Mr. Mohanan Maharaj, IHIB, QUT

9.35 am – 9.50 am: Ms. Kinga Duszyc, IMB, UQ

9.50 am – 10:05 am: Dr. Rodrigo Suarez, QBI, UQ

10:05 am – 10:30 am: **MORNING TEA**

**SESSION II (Chair: Dr. Mark Adams)**

10:30 am – 10:35 am: **PLENARY II – Introduction by Dr. Samantha Stehbens**

10:35 am – 11:20 am: **PLENARY II – Prof. Valerie Weaver, Center for Bioengineering and Tissue Regeneration, UCSF**

11:20 am – 11:25 am: Dr. Ivar Noordstar, IMB, UQ

11:25 am – 11:30 am: Ms. Bahar Sahin, IHIB, QUT

11:30 am – 11:35 am: Ms. Sheena Daignault, UQDI, TRI

11:35 am – 11:40 am: Ms. Sonja Meier, QBI, UQ

11:40 am – 11:45 am: Ms. Elise Matuzelski, SBMS, UQ

11:45 am – 12:15 am: **PLENARY III - Dr. Rosina Giordano-Santini, QBI, UQ**

12:15 pm – 12:20 pm: Awarding of Best Image Competition prizes

**SESSION III**

12:20 pm – 1:45 pm: **LUNCH & POSTER SESSION**

**SESSION IV (Chair: Dr. Srikanth Budnar)**

1:45 pm – 2:15 pm: **PLENARY IV - Dr. Julia Pagan, UQDI**

2:15 pm – 2:30 pm: Dr. Lachlan Harris, Francis Crick Institute

2:30 pm – 2:45 pm: Ms. Smrita Chaudhury, IMB, UQ

2:45 pm – 3:00 pm: Mr. James Dight, UQDI

3:00 pm – 3:15 pm: Ms. Alessandra Donato, QBI, UQ

3:15 pm – 3:45 pm: **AFTERNOON TEA**

**SESSION V (Chair: Dr. Ramon Martinez-Marmol)**

3:45 pm – 4:00 pm: Dr. Iris Wang, QBI, UQ

4:00 pm – 4:15 pm: Mr. James Frazer, SBMS, UQ

4:15 pm – 4:45 pm: **PLENARY V - Prof. Hayden Homer, CCR, UQ**

4:45 pm – 5:00 pm: Awarding of talk and poster prizes, and sponsorship passport prize

**Closing remarks (A/Prof. Brett Collins)**

### PLENARY TALKS:

1. **Prof. Valerie Weaver:** Forcing tumor risk and progression
2. **Dr. Jatin Patel:** Repair and regeneration of the circulatory system: Endovascular Progenitors
3. **Dr. Rosina Giordano:** Cell-cell fusion in the nervous system
4. **Dr. Julia Pagan:** PLK1 and SCF-bTRCP mediated removal of Cep68 maintains centrosome homeostasis
5. **Prof. Hayden Homer:** Dividing with extreme asymmetry

### LIST OF TALKS (T), DIGITAL POSTERS (DP) AND POSTERS (P):

**Mr Adil Malik:** The role of IRX4lncRNA/miPEP in prostate cancer progression **P1**

**Dr Adriana Pliego Zamora:** Variation in HoxA9 expression in the NUP98-HOXD13 myelodysplasia model, using a novel HoxA9-eGFP reporter mouse **P2**

**Ms. Alessandra Donato:** Oxidative stress: identification and study of new molecules with a neuronal protective function **T8, P35**

**Ms Alex McCann:** Illuminating the Molecular Mode of Action of the Transcription Factor SOX18 **P3**

**Dr Annalisa Paolino:** The molecular specification of commissural and subcerebral projection neurons in the neocortex is conserved in Therian mammals **P4**

**Dr Asmerom Sengal:** Detection of Fibroblast Growth Factor Receptor (FGFR2) splice isoforms in endometrial cancer using Basescope in situ hybridization (BSISH) and FGFR2c isoform is associated with aggressive tumour behaviour **P5**

**Ms Bahar Sahin:** The potential role of CDCA3 in EGFR signalling for NSCLC harbouring activating EGFR mutations **DP2, P6**

**Mr Belal Shohayeb:** The microcephaly gene wd40-repeat protein 62 (wdr62) has a role in cilia regulation in embryonic mice brains **P7**

**Ms Chieh Yu:** Heparan Sulfate Proteoglycans in Mesenchymal Stem Cell Neural Development **P8**

**Mr Christopher Molloy:** Exploiting a novel signalling axis to regulate chemotherapy response in colorectal cancer **P9**

**Mr Clayton Friedman:** The transcriptional landscape of cardiac differentiation at single cell resolution **P10**

**Ms Cristina Roselló:** Disruption of Lipid rafts enhances axonal regeneration. **P11**



**Dr Dubravka Skalamera:** Using high-content time-lapse imaging to investigate effects of oncogenic mutations in melanocyte-keratinocytes-fibroblast interaction **T1, P37**

**Ms Elise Matuzelski:** Transcriptional regulation of Nfix by NFIB drives astrocytic maturation with the developing spinal cord **DP5, P12**

**Mr Gregory Quaipe-Ryan:** Beta-catenin drives distinct transcriptional networks in regenerative and non-regenerative cardiomyocytes. **P13**

**Mr Guillaume Burnet:** Cripto overexpression in germ cells leads to infertility. **P14**

**Dr Ivar Noordstra:** Microtubule growth controls cell protrusion and invasion in 3D **DP1, P15**

**Mr James Curson:** Scimp: a novel TLR4 adaptor protein that fine tunes inflammatory responses in macrophage's Scimp is a transmembrane TLR adaptor protein that fine tunes inflammatory responses in macrophage's **P16**

**Mr James Fraser:** Intersectin 1 is a target of NFIX during granule neuron precursor cell Differentiation within the postnatal cerebellum **T10, P39**

**Mr James Dight:** Endovascular progenitors initiate and drive de novo vascularisation in melanoma **T7, P40**

**Ms Jessica Teo:** Interplay between Caveolae and Junctional Biology **P17**

**Mr Jonathan Lim:** Nuclear factor one transcription factors regulate developmental enhancers critical for cell differentiation during brain development **P18**

**Mr Kenneth Wee:** Snail Induces Contractility at E-cadherin Junctions to Apically Extrude Cells under Mosaic Conditions **P19**

**Ms Kinga Duszyc:** Elimination of apoptotic epithelial cells **T3, P36**

**Mr Kok Siong Chen:** The role of transcription factor NFIB in glioblastoma **P20**

**Dr Lachlan Harris:** Resting state quiescence and lifelong neurogenesis in mouse **T5, P43**

**Ms Maria Kasherman:** Usp9x-null Mice Show Corpus Callosum Dysgenesis and Altered Behaviour **P21**

**Ms Meg Donovan:** Rp105 promotes mycobacteria-induced type I interferon responses **P22**

**Mr Mohanan Maharaj:** Expanding the SUMO gene stable with the identification of SUMO6 **T2, P34**

**Ms Priscila Lima:** Addressing Unmet Therapeutic Needs in Oncology: Perineural Disease **P23**

**Mr Robert Ju:** Microtubule Driven Mechanisms of Metastatic Melanoma **P24**

**Dr Rodrigo Suarez:** Marsupial in vivo assays illuminate the development and evolution of neocortical circuits **T4, P41**

**Ms Sabrina Oishi:** Heterozygosity for NFIX in mice models features of Malan syndrome **P25**

**Ms Sheena Daignault:** Enforcing cellular stress promotes apoptotic and immunogenic responses in melanoma **DP3, P26**

**Ms Shubhra Chandra:** Delineating the role of Hepatocyte Nuclear Factor 1 Beta (HNF1B) transcript variants in prostate cancer. **P27**

**Ms Siew Zhuang Tan:** Functional study of deeply conserved regulatory elements during embryogenesis **P28**

**Ms Smrita Chaudhury:** Localised Collagen2a1 secretion permits lymphatic endothelial cell migration through the zebrafish embryo **T6, P42**

**Ms Sonja Meier:** p75 neurotrophin receptor function in cortical neurogenesis **DP4, P29**

**Ms Sugandha Bhatia:** EMT and MET: Underpinning the Phenotypic Plasticity and Clonal Diversity in Breast Cancer **P30**

**Ms Sugarniya Subramaniam:** Allele-Dependent miRNA Regulation of PDK1 and tumorigenesis in prostate cancer **P31**

**Ms Tevin Chau:** Polycystic kidney disease 1 Suppresses Planar Cell Polarity Pathway During Lymphangiogenesis **P32**

**Mr Tom Schultz:** RP105 regulates LPS-induced TLR4 endocytosis and Type I IFN responses **P33**

**Dr Tong Wang:** Actomyosin-II facilitates long-range retrograde transport of large cargoes by maintaining axonal radial contractility **T9, P38**

**IMAGE INDEX:**

I 01	Ms Tevin Chau.....	<i>A new resolution in live</i>
I 02	Mr Robert Ju.....	<i>Transiently tethered</i>
I 03	Dr Neil Bower.....	<i>Tree of knowledge</i>
I 04	Dr Tong Wang.....	<i>Periodic cytoskeletal structures along the axon</i>
I 05	Ms Maria Kasherman.....	<i>Making connections</i>
I 06	Ms Sonja Meier.....	<i>Neurons climbing the ladder</i>
I 07	Mr James Fraser.....	<i>Purkinje neurons in the developing cerebellum</i>
I 08	Ms Sabrina Oishi.....	<i>Neural nemesis</i>
I 09	Mr Alex Stevenson.....	<i>Ms clause mice</i>
I 10	Ms Lin Grim.....	<i>Chimeras reveal genetic regulations on a single cell level</i>
I 11	Ms Smrita Chaudhury.....	<i>Cross talk over wavy fences</i>
I 12	Dr Ivar Noordstra.....	<i>Microtubule network in breast cancer cell</i>
I 13	Mr Kok Siong Chen.....	<i>This cortex is on fire</i>

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