

9:30 am	Registration opens
10:00 am	Professor David Adams (Illawarra Health and Medical Research Institute) <i>Opening address</i>
Session 1	Disease Modelling
10:05 am	Dr Michael O'Connor (University of Western Sydney) <i>Pursuing improved cataract treatments through pluripotent stem cell research</i>
10:45 am	Dzung Do-Ha (University of Wollongong) <i>Investigating changes in neuronal excitability using iPSC-derived motor neurons from ALS patients</i>
11:00 am	Dr Dhanisha Jhaveri (Mater Foundation, Queensland Brain Institute, University of Queensland) <i>Targeting adult-born hippocampal neurons for the treatment of depression</i>
11:15 am	Dr Jessica Vanslambrouck (Murdoch Children's Research Institute, Melbourne) <i>Advances in stem cell-derived kidney organoid generation</i>
11:30 am	Morning Tea and Poster Presentations
Session 2	Bio-engineering
12:00 pm	Dr Anita Quigley (ACES/UOW/UOM/St Vincent's Hospital Melbourne) <i>Brains and Brawn: Engineering Muscle and Neural Tissues</i>
12:40 pm	Dr Eva Tomaskovic-Crook (ARC Centre of Excellence for Electromaterials Science, University of Wollongong) <i>Human Neural Tissues from Neural Stem Cells Using Conductive Biogel and Printed Polymer Microelectrode Arrays for 3D Electrical Stimulation</i>
1:05 pm	Serena Viventi (University of Melbourne) <i>Characterization of Dorsal Root Ganglia Sensory Neurons from Human Pluripotent Stem Cells and their application for developing therapies to treat Friedreich Ataxia</i>
1:20 pm	Jianfeng Li (ARC Centre of Excellence for Electromaterials Science, University of Wollongong) <i>Graphene Based Structures for Bone Tissue Engineering</i>

1:35 pm	Lunch and Poster Presentations
Session 3	Therapeutics
1:45 pm	Dr Serena Duchi (St Vincent's Hospital, University of Melbourne) <i>Mesenchymal stem cells as multimodality therapy for osteo-chondral diseases treatment: Trojan or Work horses?</i>
2:25 pm	Rachelle Balez (University of Wollongong) <i>Altered distribution of alpha-tocopherol and neuroprotective effect in sporadic Alzheimer's disease induced pluripotent stem cell derived neurons</i>
2:40 pm	Dr Jingjing You (Save Sight Institute, University of Sydney) <i>Current clinical application of human platelet products in treating ocular diseases</i>
2:55 pm	Dr Snezana Maljevic (Florey Institute of Neuroscience and Mental Health, University of Melbourne) <i>Targeted therapy in neurogenetic disorders</i>
3:10 pm	Afternoon Tea
Session 4	Panel Discussion Moderator: A/Prof Mirella Dottori (Illawarra Health and Medical Research Institute, University of Wollongong)
3:40 pm	Lead Discussants: Dr Michael O'Connor Dr Anita Quigley Dr Serena Duchi
4:40 pm	Networking/close