

MELBOURNE EMERGING LEADERS IN
BIOMEDICAL
research

Society presents:

2024 Symposium: Advancing Discovery



WEDNESDAY 18 SEPTEMBER 2024 - PROGRAM

8:00-9:00	Registration
9:00-9:10	Acknowledgement of Country and Symposium Opening - Dr Madeline Dans, WEHI
9:10-9:45	Plenary Speaker - Dr Anna Trigos, Peter MacCallum Cancer Centre <i>Chair: Dr Kirstyn Carey</i>
9:45-10:45	Session 1: Lightning Talks <i>Chairs: Dr Sushma Anand and Dr Jeff Luo</i>
9:45	High throughput discovery of novel therapeutics for the treatment of Low Grade Serous Ovarian cancer Dr Kathleen Pishas, Peter MacCallum Cancer Center
9:52	Novel Peptide Therapeutics for Alzheimer's Disease Dr Dorothy Wai, Monash Institute of Pharmaceutical Sciences
9:59	Dissecting the subcellular complexity of mGlu 5 signalling Dr Shane Hellyer, Monash Institute of Pharmaceutical Sciences
10:06	Basis of sex differences across mammalian tissues Dr Shanie Landen, Hudson Institute of Medical Research
10:13	Divergent Roles of Necroptosis in Skin Inflammation and Wound Healing Dr Holly Anderton, WEHI
10:20	Intestinal immune profiling of enteric nervous system and neuroimmune crosstalk Dr Aidil Zaini, Monash University
10:27	A precision medicine approach for <i>HCN1</i> developmental and epileptic encephalopathy Dr Lauren Bleakley, Florey Institute of Neuroscience and Mental Health
10:34	Therapeutic Potential of Milk-Derived Exosomes in Targeting Epithelial-Mesenchymal Transition and Apoptosis in Hepatocellular Carcinoma Dr Kaveh Baghaei, Olivia Newton-John Cancer Research Institute
10:45-11:00	Morning Tea
11:00-12:20	Session 2: Disease Pathways and Therapeutic Development Sponsored by Revvity <i>Chairs: Dr Rukmali Wijayarathna and Dr Ruofei Liu</i>
11:00	Sponsor Presentation (Revvity)
11:05	A Blood Test for Autophagy- the Cell's Waste Clearance and Recycling Pathway Dr Nirma Perera, Florey Institute of Neuroscience and Mental Health
11:20	Developing a pipeline to validate potential therapeutic targets <i>in vivo</i> using tag degraders Dr Charlene Magtoto, WEHI
11:35	Predictive and Generative Chemistry: AI for Drug Design at CSIRO Dr Thomas Coudrat, CSIRO
11:50	Investigation of the molecular mechanisms mediating the synergy between recurrent seizures and Alzheimer's disease pathology Dr Anna Harutyunyan, WEHI
12:05	Bioavailable testosterone and androgen receptor activation, but not total testosterone, are associated with muscle mass and strength in females Dr Sarah Alexander, Baker Heart and Diabetes Institute
12:20-1:40	Lunch and Poster Session <i>Poster Judging begins at 12:40</i>
1:40-3:10	Session 3: Genomic Editing and Disease Mechanisms <i>Chairs: Dr Meg Taylor and Dr Esther Garcia-Dominguez</i>
1:40	Mechanistic understanding towards how progerin contributes to premature ageing Dr Lung-Yu Liang, Max Planck Institute of Biophysics
1:55	Deletion of a deubiquitylating (DUB) enzyme sensitises <i>KRAS</i> -mutant lung cancers to T cell mediated killing Dr Mara Zeissig, WEHI
2:10	Systematic loss-of-function screens identify pathway-specific functional circular RNAs Dr Matt Neve, Peter MacCallum Cancer Centre
2:25	Investigating the molecular basis of mRNA stability in leukemia Dr Mary-Jane Tsang, Peter MacCallum Cancer Centre
2:40	Specific cPRC1 complexes are co-opted to mediate oncogenic gene repression in diffuse midline glioma Dr Dáire Gannon, WEHI
2:55-3:15	Afternoon Tea
3:15-3:50	Plenary Speaker - Professor Scott Ayton, Florey Institute <i>Chair: Dr Connie Ow</i>
3:50-4:40	Career Panel Discussion with: Professor Nicholas Huntington, Monash University Dr Marija Dramicanin, WEHI Dr Tifelle Reisinger, BioCurate Professor Gavin Reid, University of Melbourne <i>Chairs: Dr Alexandra George and Dr Kirstyn Carey</i> Dr Anna Trigos, Peter MacCallum Cancer Centre Professor Scott Ayton, Florey Institute Associate Professor Jun Yang, Hudson Institute of Medical Research
4:40-4:45	Awards Sponsored by BioCurate and WEHI - Sponsor Presentation (BioCurate)
4:45-5:00	Awards Presentation and Symposium Close – Dr Chris Horne, WEHI
5:30-7:00	Networking Mixer, Leveson Hotel, North Melbourne