



Australia Society for Biochemistry and Molecular Biology Conference 2019
1 - 3 October 2019
Esplanade Hotel Fremantle by Rydges

Poster Number	Presenters Name	Poster Title	Theme
1	Evan Ingley	Targeting the cytoskeletal regulator AFAP1L1 to control sarcoma migration and invasion	Drug Discovery
2	Kirill Sukhovkov	Prediction of foliar activity of herbicides based on their physico-chemical properties	Drug Discovery
3	Jon Oakhill	mTORC1 directly inhibits AMPK by attenuating lysosomal targeting	Drug Discovery
4	Mark Agostino	Comprehensive analysis of carbohydrate-protein binding in the Protein Data Bank	Drug Discovery
5	Silvano Paternoster	Oleoyl-lysophosphatidylinositol mimics as novel GLP-1 releasing agents	Drug Discovery
6	Miroslav Sisa	Selective COX-1 inhibition as cardioprotective therapeutics	Drug Discovery
7	Dona Jayatunga	Combination of nutraceutical compounds as a promising approach for Alzheimer's disease preventive therapy	Drug Discovery
8	Terrence Piva	Growth factor activation of cell migration in melanoma cells	Drug Discovery
9	Melissa Eccles	Specific Combinations of Presenilin 1 Protein Regions Are Required for Differential Cleavage of Amyloid Precursor Protein and Notch1 Receptor	Drug Discovery
10	Simon Kessler	Unveiling Victorin's Secret	Drug Discovery
11	Stephanie Nguyen	Structural basis of nucleoside selectivity in Aspergillus fumigatus nucleoside diphosphate kinase	Drug Discovery
12	Po-chia Chen	Small-angle X-ray scattering as a quantitative screening tool: initial benchmarks across synchrotron beamlines	Drug Discovery
13	Jer Tan	BZD9L1, a new sirtuin inhibitor: Prediction of molecular mechanism of action and drug binding with sirtuin proteins	Drug Discovery
14	Anindita Chakraborty	Towards introducing sgRNAs to Nicotiana tabacum plants expressing Cas9	Gene Editing
15	Joshua Mylne	Are dull seed proteins actually hotbeds of peptide evolution?	Other
16	Nadia Kershaw	The molecular basis of JAK/STAT inhibition by SOCS1	Other
17	Nguyet (Marisa) Duong	Plasma thiol proteins as biomarkers of oxidative stress	Other
18	Kelly Irving	Assessing the relationship between non-canonical DNA structures, Imotifs and G-quadruplexes, at different stages of the cell cycle in breast cancer	Other
19	Gareth Denyer	PEPPY: A VIRTUAL REALITY EXPLORATION OF FUNDAMENTAL PROTEIN STRUCTURE	Other
20	Lin Luo	A UNIVERSAL TRANSMEMBRANE ADAPTOR FOR TOLL-LIKE RECEPTORS PROMOTES SELECTIVE PRO-INFLAMMATORY RESPONSES	Other
21	Chandrika Deshpande	Protein production, characterisation and structure determination at the University of Sydney	Other
22	Simon Brayford	β III-tubulin promotes activation of the PI3K/AKT survival pathway in non-small cell lung cancer by modulating expression of the tumor suppressor PTEN	RNA Biology
23	Brady Johnston	Developing a FRET based RNA biosensor.	RNA Biology
24	Finn McCluggage	Development of a Paraspeckle Biosensor to Sense Cellular Stress	RNA Biology
25	Yee Seng Chong	Investigating the RNA Binding Specificity of Drosophila Behaviour/Human Splicing Proteins	RNA Biology
26	Santana Royan	Solution structure of designer RNA editing factors	RNA Biology
27	Jason Schmidberger	Disrupting the self association of Pentatricopeptide Repeat proteins	RNA Biology
28	Brian Le	Exploring three KH domains of hnRNPK in complex with single-stranded nucleic acids	RNA Biology
29	Kat Ignasiak	Quaking, a novel paraspeckle protein	RNA Biology
30	Heidar Koning	Structural studies of SFPQ and SFPQ/NONO-nucleic acid complexes	RNA Biology
31	Farley Kwok van der Giezen	Identifying and Characterising Catalytically Active RNA Editing Factors from Plants	RNA Biology
32	Rose McDowell	Engineering of a tripartite split fluorescence system using synthetic pentatricopeptide repeat (PPR) proteins	RNA Biology
33	Sang Dang Huynh	UNRAVELLING THE MOLECULAR MODE OF ACTION OF RESTORER-OF-FERTILITY-LIKE PROTEINS IN PLANT MITOCHONDRIA	RNA Biology
34	Fionna Loughlin	Probing the self-association of stress granule proteins and the influence of nucleic acids	RNA Biology
35	Nicholas B. Lawler	The effects of Millimetre Waves in Human Astrocytes	RNA Biology
36	Uditi Bhatt	Assessing the relationship between RNA G-quadruplexes and the RNA-binding protein, FUS, in an in vitro model of Alzheimer's	RNA Biology