

Tuesday - 15 October 2019

8:30 - 9:00

Registration, Tea & Coffee & Trade Display

9:00 - 10:40

Session IV: Making SynBio Accessible
Sponsor: Macquarie BDDRC | Chair: TBA

9:00 - 9:30	Emily Leproust <i>Twist Bioscience</i>	Rewriting DNA Synthesis
9:30 - 9:50	Maciej Holowko <i>CSIRO</i>	The SynBio Technological Shift
9:50 - 10:10	Jaden Hastings <i>x0.lab Initiative</i>	DIYSynBio : Leveraging Community Biotech to Advance SynBio in Australia
10:10 - 10:25	Jestin George <i>University of Technology Sydney</i>	Synthetic biology in biodesign
10:25 - 10:40	Aditi Mankad <i>CSIRO</i>	Does the head overrule the heart in the prediction of support for synbio technologies?

10:40 - 11:10

Morning Tea & Trade Display

11:10 - 12:35

Session V: Pathways & Products
Sponsor: Bioplatforms Australia | Chair: TBA

11:10 - 11:15	Dr Natalie Curach <i>BioPlatforms Australia</i>	Sponsor
11:15 - 11:45	David Acklerley <i>Victoria University of Wellington</i>	Generating novel bioactive products by re-engineering non-ribosomal peptide synthetase assembly lines
11:45 - 12:05	Anwar Sunna <i>Macquarie University</i>	Assembly of biocatalytic modules for production of platform chemicals
12:05 - 12:20	Indra Roux <i>The University of Western Australia</i>	Towards CRISPR-based transcriptional activation of fungal biosynthetic gene clusters
12:20 - 12:35	Rebecca Wood <i>The University of Queensland</i>	Novel fluorescent enzyme biosensors for direct detection of strigolactones

12:35 - 13:35

Lunch, Networking & Trade Display

13:35 - 15:20

Session VI: Environment & Agriculture
Sponsor: Labcyte | Chair: TBA

13:35 - 13:40	John Lesnick <i>Labcyte</i>	Sponsor
13:40 - 14:10	Louise Horsfall <i>University of Edinburgh</i>	Engineering non-model organisms for resource recovery
14:10 - 14:30	Ian Small <i>The University of Western Australia</i>	Synthetic RNA editing and RNA processing factors
14:30 - 14:50	Patrick Buerger <i>CSIRO</i>	Interventions to increase the thermal tolerance of corals on the Great Barrier Reef
14:50 - 15:05	Benjamin Pouvreau <i>CSIRO</i>	Versatile High Throughput Plant Genetic Screening
15:05 - 15:20	Kostlend Mara <i>CSIRO</i>	Development of Genome wide Knock Out (GeCKO) platform capabilities for Mosquito borne viruses

15:20 - 15:50

Afternoon Tea & Trade Display

15:50 - 17:05

Session VII: Tools
Sponsor: Synthetic Biology Australasia | Chair: TBA

15:50 - 15:55	Oliver Rackham <i>SBA</i>	Sponsor
15:55 - 16:15	Colin Scott <i>CSIRO</i>	Transplantation of an unusual low potential flavin-like cofactor into a model bacterium
16:15 - 16:35	Madeline Mitchell <i>CSIRO</i>	Modifying cotton cell walls and enhancing plant-based natural fibres
16:35 - 16:50	Thomas Booth <i>The University of Western Australia</i>	Evolution and Reconstitution Non-Ribosomal Peptide Synthesis
16:50 - 17:05	Elliot Gerrard <i>Monash University</i>	Light-Activated Chimeric GPCRs: Next generation optogenetic tools

17:05 - 17:30

Conference Photo + Break

17:30 - 18:30
SBA AGM
Chair: Oliver Rackham

18:30 - 19:30
Poster Session II (Canapes & drinks provided)
Sponsor: Bolt Threads

19:30 - 21:30
SBA Conference Dinner (Cocktail Reception Style)
Dress: conference attire