

Monday - 14 October 2019

9:30 - 10:30

Registration, Trade Display & Morning Tea

10:30 - 11:00

Opening Ceremony

10:30 - 10:40 **Claudia Vickers/Oliver Rackham** Opening Comments / Housekeeping

10:40 - 10:50 **Shannon Ruska**
Tribal Experiences Welcome to Country

10:50 - 11:00 **Paul Bertsch**
Queensland Government Queensland Chief Scientist

11:00 - 12:40 **Session I: Bioproducts & Biomaterials**
Sponsor: Queensland Government | Chair: TBA

11:00 - 11:30 **Claudia Schmidt-Dannert**
University of Minnesota Engineering self-assembling protein-based nanomaterials

11:30 - 11:50 **Oliver Rackham**
The University of Western Australia Artificial protein scaffolds for manipulating nucleic acids

11:50 - 12:10 **Rob Willows**
Macquarie University Synthetic Biology For Optimising Biohydrogen Production In Bacteria

12:10 - 12:25 **Nils Averisch**
Stanford University/NASA Development of microbial production platforms for high-performance polymers for Space and Earth applications

12:25 - 12:40 **Michele Fabris**
University of Technology Sydney The marine diatom *Phaeodactylum tricornutum* as a novel synbio chassis for terpenes production

12:40 - 13:40 **Lunch / ECR Open Circle Discussion / Trade Display**
Sponsored by AAS

13:40 - 15:25 **Session II: Health & Medical**
Sponsor: GE Healthcare | Chair: TBA

13:40 - 13:45 **David Mabon**
GE Healthcare Sponsor

13:45 - 14:15 **Chueh Loo Poh**
National University of Singapore Model Driven Programming of Biological Systems

14:15 - 14:35 **Ryan Lister**
The University of Western Australia Challenges and frontiers in (epi)genome engineering

14:35 - 14:55 **Joanne Macdonald**
University of Sunshine Coast Towards the vision of autonomous biosensing using DNA computing

14:55 - 15:10 **Lixin Zhang**
East China Uni. of Science & Tech. Learning from Microbial Intelligence for Directional Evolution

15:10 - 15:25 **Subir Sarker**
Latrobe University A novel targeted delivery platform for the biomedically important cargo using world's smallest viral nanocage

15:25 - 15:55 **Afternoon Tea & Trade Display**

15:55 - 17:10 **Session III: Social SynBio**
Sponsor: CSIRO | Chair: TBA

15:55 - 16:00 **Claudia Vickers**
CSIRO Sponsor

16:00 - 16:20 **Ionat Zurr**
The University of Western Australia What's art got to do with SynBio?

16:20 - 16:40 **Josh Wodak**
University of New South Wales Nature by Design: Synthetic Biology faces the Anthropocene

16:40 - 16:55 **Lucy Carter**
CSIRO Playing God and tampering with nature: Popular labels for real risks

16:55 - 17:10 **Wendy Russell**
The Australian National University Responsibility in Practice. A new tool to map the social contours of research and innovation landscapes.

17:10 - 17:30 **Break**

17:30 - 18:30 **EMCR Networking Session (Canapes & drinks provided)**
Sponsored by AAS

18:30 - 19:30 **Poster Session I (Canapes and drinks provided)**
Sponsor: AAS