

Thursday 4th July

9:00 Registration, Tea and Poster Setup

10:00 Welcome – Fabrizio Alberti & Matt Jenner

Chair: Fabrizio Alberti

10:10 Amr Arishi – University of Western Australia ([Chooi](#) Group)

'Mining the genomes of Australian fungi for novel bioactive secondary metabolites discovery'

10:30 Mia Foran – University of Warwick ([Jenner](#) Group)

'Biochemical dissection of a fungal highly reducing polyketide synthase condensing region reveals basis for acyl group selection'

10:50 Yuhao Zhu – University of Tokyo ([Abe](#) Group)

'Structure-function analysis of a novel cysteine dioxygenase SbzM in the biosynthesis of sulfonamide antibiotic altemicidin'

11:10 Eveline Vriens – VIB KU Leuven ([Masschelein](#) Group)

'Insights into the unusual enzymology in the oximidine biosynthetic pathway'

11:30 Lisa Nguyen – University of Bayreuth ([Hahn](#) Group)

'Elucidation of α,β -unsaturated δ -lactone formation in the biosynthesis of antitumoral polyketides'

11:50 Lunch and Posters

Chair: Joleen Masschelein

13:30 Paula Martin de Prado – University of Warwick ([Corre](#), [Puxty](#), [Stavros](#) Groups)

*'Investigating the production of UV absorbing compounds in *Chlorogloeopsis fritschii*'*

13:50 Michael Brigham - University of Leeds ([Seipke](#) Group)

'Discovery and characterisation of biffamycin: a unique non-ribosomal peptide containing an unprecedented chloro-methoxy-tryptophan moiety'

14:10 Lada Hanzlíková - Czech Academy of Sciences ([Kamenik](#) Group)

'CluSeek-based genome mining reveals biosynthesis of a new variant of 4-alkyl-L-proline moiety in anticancer lucentamycins'

14:30 Honghao Su – Earlham Institute ([Patron](#) Group)

'The evolution of product specificity in Asteraceae triterpene synthases'

14:50 Danella West – Monash University ([Cryle](#) Group)

'Harnessing thioesterase domains for probing antibiotic modifications'

15:10 Tea Break and Posters

Chair: Claudio Greco

16:10 Sophie Jin – University of Warwick ([Alberti](#) / [Song](#) Groups)

*'Towards the discovery of antimicrobial natural products made by *Trichoderma koningiopsis* and study of their biosynthesis'*

16:30 Arne Bultemeier – Leibniz University Hannover ([Franke](#) Group)

*'Elucidation of early withanolide biosynthesis using an engineered *Nicotiana benthamiana* platform'*

16:50 Closing Lecture: Lauren Murray – DECRA Research Fellow, Monash University ([Cryle](#) / [Challis](#) Groups)

'The Diels-Alder reaction: from biomimetic synthesis to stereodivergent biocatalysis'

17:20 Wine Reception & 'Pizza Party' Dinner

19.30 - Onwards Drinks @ Terrace Bar

Friday 5th July

9:30 Tea & Coffee

Chair: Xinyun Jian

10:00 Charles Ducker – University of Nottingham ([Oldham](#) Group)
*'Terpene biosynthesis in the sandfly *Lutzomyia longipalpis*'*

10:20 Sara Vasciaveo – King's College London ([Barry](#) Group)
'Genome mining for novel sactipeptides'

10:40 Michael Herrera – University of Edinburgh ([Campopiano](#) Group)
'Repurposing a megasynthase biocatalyst for the production of 2-methyl Guerbet-like lipids'

11:00 Barbara Radzikowska – University of York ([Lichman](#) Group)
*'Investigation into the scaffold forming steps of *Daphniphyllum* alkaloid biosynthesis'*

11:20 James Duncan – University of Warwick ([Challis](#) / [Lewandowski](#) Groups)
'O-methylation during chain assembly by trans-AT modular polyketide synthases'

11:40 Coffee and Posters

Chair: Matt Jenner

12:10 Sam Williams – DTU Biosustain ([Weber](#) Group)
'Combining the BGC-flow genomic mining pipeline with metabolomics to accelerate antibiotic natural product discovery'

12:30 Takeshi Tsunoda – Hokkaido University ([Dairi](#) Group)
'Overall biosynthetic pathways of lactacystin, an inhibitor of the proteasome'

12:50 Closing Lecture: Katherine Williams – University of the West of England
'Unlocking fungal secrets: the biosynthesis and potential of the maleidrides'

13:20 Lunch and Posters

13.45 Prize announcement

14:00 Close



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