

Thursday 2nd July

09:45 Registration, Tea and Poster Setup

10:20 Welcome – Fabrizio Alberti & Matt Jenner

Chair: Fabrizio Alberti

10:30 Fatima El Arnouki Belhaji – KU Leuven Center for Microbiology (Masschelein Group)
'Charting the biosynthetic landscape of hybrid polyketide nonribosomal peptide-specialized lipids'

10:50 Nick Gerlach – Leibniz Universität Hannover (Cox Group)
'Total and engineered biosynthesis of cinatrans: inhibitors of phospholipase A2 and squalene synthase'

11:10 Alena Streiff – ETH Zürich (Piel Group)
'Sustainable access of sponge-like chemistry from cultivated acidobacteria'

11:30 Benjamin Schwabe – University of York (Lichman Group)
'Nicotine biosynthesis is completed by cryptic activating glucosylation'

11:50 Lunch and Posters

13:15 Workshop: Mitja Zdouc – Group Leader, Universität Wien
'Minimum Information about a Tailoring Enzyme (MITE)'

Chair: TBC

13:50 Tsz Ki Chan – City University of Hong Kong (Matsuda Group)
'Resistance gene-guided discovery of fungal natural products'

14:10 Jinwoo Kim – Korea Advanced Institute of Science and Technology (Kim & Kang Groups)
'A noncanonical reducing-domain architecture defines a new class of modular polyketide synthases'

14:30 Adriana Rocío Romero Otero – Technical University of Denmark (Larsen Group)
'Uncovering fungal RiPPs diversity: A metabolomic and genome-mining analysis of lemnicatides'

14:50 Rebecca Casson – John Innes Centre (Osbourn Group)
'Combinatorial biosynthesis generating a comprehensive suite of triterpene derivatives for structure-activity relationship investigation'

15:10 Tea Break and Posters

Chair: TBC

16:10 Galen Tiong – Harvard University (Nett Group)
'Iridoid biosynthesis in an ant-associated caterpillar'

16:30 Anjali Shah – University of Bristol (Bailey & Willis Groups)
'Elucidating biosynthetic pathways to maleidride natural products'

16:50 Closing Lecture: Yang Hai – Group Leader, UC Santa Barbara
'Uncovering and reprogramming enzymatic chemistry in natural product biosynthesis and biocatalysis'

17:30 Wine Reception & 'Pizza Party' Dinner

19:30 - Onwards Drinks @ Terrace Bar

Friday 3rd July

9:30 Tea & Coffee

Chair: TBC

10:00 Thomas Booth – Technical University of Denmark (Weber Group)

'Nested regulation of biosynthesis in Streptomyces'

10:20 Matthew Pledge – University of Warwick (Challis / Alkhalaf Group)

'Development of novel enacyloxin-based allosteric inhibitors of EF-Tu as antibiotics to tackle multidrug-resistant Acinetobacter baumannii'

10:40 Mai ElNaggar – University of Aberdeen (Deng Group)

'Exploring a dehydrating/condensation enzyme domain for a diversified antimicrobial peptide library'

11:00 Tess Lamer – ETH Zürich (Piel Group)

'Bacterial genome mining for novel trojan horse antibiotics against Gram-negative pathogens'

11:20 Tea break and Posters

Chair: Matt Jenner

12:00 Turgut Mesut Yilmaz – University of Tübingen (Ziemert Group)

'ARTS-DB 2.0: An expanded targeted genome mining platform for bacterial and fungal kingdoms'

12:20 Changjun Xiang – Westlake University (Zhang Group)

'Engineering enoylreductase–ketoreductase hybrids via interdomain interaction design in modular polyketide synthases'

12:40 Closing Lecture: Xuefei Chen – Group Leader, University of Oxford

'Natural products reveal hidden vulnerabilities in drug-resistant fungi'

13:10 Lunch and Posters

13.45 Prize announcement

14:00 Close

