

The Chemistry and Biology of Natural Products Symposium X

Thursday 30th June – Friday 1st July 2016
University of Warwick, Zeeman Building, MS.02

Thursday 30th June

9:30 Registration, Tea and Poster Set up

10:15 Introduction from NPRONET and BIOCATNET

10:30 Daniel Griffiths, University of Warwick – Lewandowski and Challis groups

Elucidating and exploiting nonribosomal peptide synthetase intermolecular interactions

11:00 Claudio Greco, University of Bristol – Willis and Cox groups

Isolation, characterisation and identification of the gene cluster of three novel dimeric xanthonenes from *Cryptosporiopsis* species 8999

11:30 Thomas Booth, John Innes Centre – Wilkinson group

Spontaneous, intramolecular cycloadditions in macrolactam polyketides

12:00 Alice Banks, University of Bristol – Foster and Bailey groups

Investigating terpenoid biosynthesis in basidiomycete fungi

12:15 Lunch and Posters

13:45 Shanshan Zhou, University of Warwick – Challis group

Investigation of watasemycin biosynthesis in *Streptomyces venezuelae* ATCC 10712

14:15 Jack Connolly, University of Birmingham – Thomas group

Re-engineering the mupirocin biosynthesis pathway

14:45 Mairi Littleson, University of Strathclyde – Watson group

Coronatine, a Phytotoxic Polyketide Lead for Herbicide Discovery

15:15 Ina Wilkening, University of Warwick – Tosin group

Second-generation probes for biosynthetic intermediate capture: towards a comprehensive profiling of polyketide assembly

15:30 Tea Break and Posters

16:15 Michael Popadyne, University of Glasgow – Clark group

Exploiting Symmetry in the Synthesis of Ciguatoxin CTX3C: Synthesis of the I-M Fragment

16:45 Jiraporn Lueangsakulthai, Cardiff Metropolitan University – Maddocks group

Studying the antimicrobial efficacy of *Crocodylus siamensis* hemoglobin hydrolysate (HH)

17:15 Cristina-Nicoleta Alexandru-Crivac, University of Aberdeen – Jaspars group

Exploring RiPP Biosynthetic Pathways in a Quest for a Novel Macrocyclase with Improved Catalytic Properties

17:45 Jeroen Martens, University of Bristol – Lazarus group

Exploring biosynthesis of fungal secondary metabolites by heterologous gene expression in *Aspergillus oryzae*

18:00 Wine Reception and Hot Buffet Dinner

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8:45 Arrival and Tea

9:00 Li-Chen Han, University of Bristol – Willis group

The catalytic mechanism of a natural Diels-Alderase revealed in molecular detail

9:30 Xiaowen Lu, Wageningen University – Bioinformatics group

Systematic exploration of evolutionary engineering principles underlying the modularity of natural product biosynthetic pathways

10:00 Hong Gao, University of York – Smith group

Re-assembly of the Erythromycin Pathway for Expression in a Heterologous Host

10:30 Matthew Jenner, University of Warwick – Challis group

Biosynthesis of a 'fungal' peptide antibiotic by *Burkholderia gladioli*

10:45 Martin Riemer, University of Warwick – Shipman group

(Bi)phenolic Natural Products - Development and Application of Sustainable & Microwave-Accelerated (Domino)Reactions in Total Synthesis

11:00 Tea and Posters

11:30 Christopher Fage, Philipps-Universität Marburg, Germany – Marahiel group

Recent Discoveries in Lasso Peptide Modification Enzymes

12:00 Lona Alkhalaf, University of British Columbia, Canada

The biosynthesis and resistance mechanism of indolmycin

12:30 Yu-Hsuan Tsai, Cardiff University

Total synthesis and chemical biology of glycosylphosphatidylinositol (GPI) anchors

13:00 Andrew Truman, John Innes Centre

Elucidating bottromycin biosynthesis using untargeted metabolomics

13:30 Lunch and Prize announcement

14:00 Close

For information and registration please visit

<http://warwick.ac.uk/naturalproducts>

