

The Chemistry and Biology of Natural Products Symposium XI

Thursday 29th June – Friday 30th June 2017

University of Warwick, Zeeman Building, MS.01

Thursday 29th June

9:30 Registration, Tea and Poster set up

10:30 Introduction from NPRONET

10:40 Raissa Schor, Leibniz Universität Hannover – Cox group

Xenovulenes - Unexpected Biosynthesis towards Fungal Meroterpenoids

11:00 Tom Eyles, John Innes Centre – Truman group

Reprogramming Antibiotic Biosynthesis

11:20 Catherine Hubert, King's College London – Barry group

Nitric oxide synthase, a new tool for biocatalytic nitration

11:40 Jack Connolly, University of Birmingham – Thomas group

Fusing elements of two polyketide pathways to re-engineer mupirocin biosynthesis

12:00 Lunch and Posters

13:30 Nick Lees, University of Bristol – Willis group

Abyssomicin C Biosynthetic Enzymes Catalyse Acetate Elimination and Diels-Alder Reaction

13:50 Francesco Trenti, Leibniz Universität Hannover – Cox group

Structural Revision and Biosynthesis of the Fungal Phytotoxin Phyllostictine A

14:10 Thomas Scott, John Innes Centre – Wilkinson group

An L-threonine transaldolase is required for L-threo- β -hydroxy- α -amino acid assembly during obafluorin biosynthesis

14:30 Candace Ho, University of Warwick – Tosin group

Novel chemical probes for the investigation of nonribosomal peptide assembly

14:50 Ben Rutter, University of Aberdeen – Brand and Campopiano groups

Exploring & Exploiting the biosynthesis of myriocin, a potent fungal metabolite

15:10 Tea Break and Posters

16:10 Karen Lebe, Leibniz Universität Hannover – Cox group

Biosynthesis of Squalestatin S1 in fungi

16:30 Alex Fullwood and Miriam Rodriguez Garcia, University of Warwick – Corre group

An inducible expression system based on *Streptomyces* signaling molecules

17:00 Rebecca Devine and Zhiwei Qin, University of East Anglia and John Innes Centre – Hutchingson, Dong and Wilkinson groups

Novel Antibiotics from a Talented *Streptomyces* Strain Isolated from a Plant-Ant Symbiosis

17:30 Wine Reception and Hot Buffet Dinner

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8:30 Arrival and Tea

9:00 Katherine Williams, University of Bristol – Bailey group

Nature's Silent Pharmacy

9:20 Sholeem Griffin, Swansea University – Van Keulen group

Sand culture: a tool for natural product expression

9:40 Jorge Navarro, Wageningen University and Research – Medema group

Gene Cluster similarity analysis and classification using BiG-SCAPE

10:00 Natalie Millan, University of Strathclyde – Duncan group

Assessing the biotechnological potential of Antarctic and sub-Arctic sediment cores – a new resource for sustainable antibiotic drug discovery?

10:20 Stefan Roesner, University of Warwick – Shipman group

Short Enantioselective Total Synthesis of Tatanan A Using Assembly-Line Synthesis Strategy

10:40 Tea and Posters

11:20 Suzy Moody, Swansea University

Wood decay fungi - an exciting but untapped resource

11:40 Emzo de los Santos, University of Warwick

clusterTools: proximity searches for functional elements to identify putative biosynthetic gene clusters

12:00 Ellis O'Neill, University of Oxford

Antibiotics from pond scum – exploring natural product biosynthesis in algae

12:20 Jan Claesen, Quadram Institute

Mining the Human Microbiome for Bioactive Small Molecules

12:40 Katherine Duncan, University of Strathclyde

Addressing big picture questions using comparative metabolomics for accelerated natural product discovery

13:00 Lunch and Posters

Prize announcement

14:00 Close



#CBNP11

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