



syngenta

Natural Product Updates



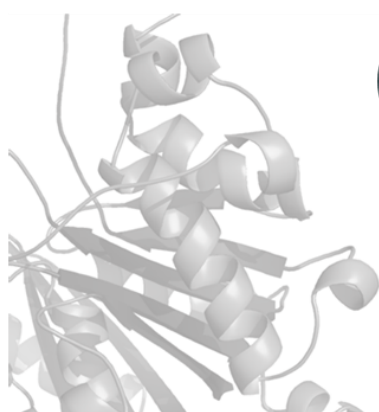
WARWICK
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CHEMISTRY
&
LIFE SCIENCES

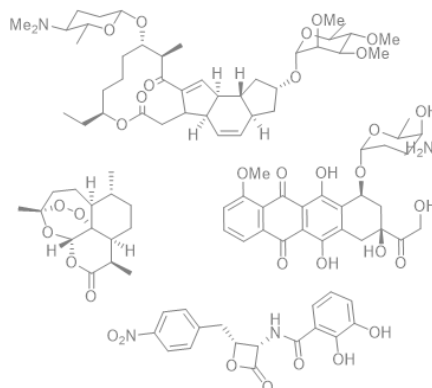
The Chemistry and Biology of Natural Products Symposium XIII

25th June 2019

University of Warwick, Zeeman Building, MS.01



CBNP
Chemistry & Biology
of Natural Products
XIII



#CBNP13



Schedule

9:30 Registration, Tea and Poster Set up

10:20 **Welcome & Notices**

10:35 **Natural Product Updates & MarinLit**

Adrian Robinson, (Royal Society of Chemistry, UK)

10:40 **Genome-led Discovery and Characterisation of Novel RiPPs**

Alicia Russell, Truman Lab (John Innes Centre, UK)

11:00 **Chemical Probing of Nonribosomal Peptide Biosynthetic Pathways**

Dan Leng, Tosin Lab (University of Warwick, UK)

11:20 **Biomimetic Seed Exudate Growth Media as a Strategy for Induction of Specialised Metabolites in *Burkholderia ambifaria***

Yoana Petrova, Mahenthiralingam Lab (Cardiff University, UK)

11:40 **New Strategies to Bioactive Targets Inspired by the Antibiotic Pleuromutilin**

Jon Davies, Willis Lab (University of Bristol, UK)

12:00 Lunch and Posters

13:30 **Structural Bioinformatics of Polyketide Synthases**

Tuğçe Oruç, Winn Lab (University of Birmingham, UK)

13:50 **Molecular Basis for Chain Length Control in Etnangien and Gladiolin Biosynthesis**

Xinyun Jian, Challis Lab (University of Warwick, UK)

14:10 **Diazeniumdiolate Natural Products and their Derivatives as a Novel Class of Signalling Molecules**

Simon Sieber, Gademann Lab (University of Zürich, Switzerland)

14:30 **Self-Immunity Guides Discovery of an Antibiotic Target**

Sibyl Batey, Wilkinson Lab (John Innes Centre, UK)

14:50 **Heterologous Production of a New Lasso Peptide Brevunsin**

Shinya Kodani, (Shizuoka University, Japan)

15:10 Tea Break and Posters

16:10 **Mutasynthetic Production of Proansamitocin Derivatives using a Δ AHBA, Δ asm12/21 *A. pretiosum* Mutant Strain**

Friederike Schäkel, Kirschning Lab (Leibniz University of Hanover, Germany)

16:30 **The Molecular and Evolutionary Origin of Nepetalactone Biosynthesis in Catnip**

Benjamin Lichman (University of York, UK)

16:50 **Closing Lecture:**

Direct Pathway Cloning (DiPaC) in the Hunt for Novel (Bio-)Chemistry

Paul D'Agostino, Gulder Lab (Technische Universität Dresden, Germany)

17.30 Drinks Reception

18.00 Prize Announcements