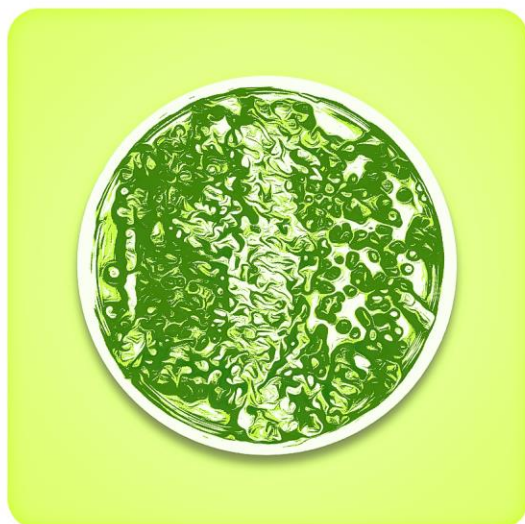


# CBNP

Chemistry & Biology  
of Natural Products

# XV



30th June 2022

University of Edinburgh, School of Chemistry



#CBNP15



Joseph Black Building, Theatre T250, School of Chemistry, University of Edinburgh

9:30 Registration, Tea / Coffee and Poster Setup

# Session 1



**10:10 Welcome & Notices**

Fabrizio Alberti, Co-Chair of [CBNP](#) (University of Warwick, UK)

**10:20 Investigation of the Release and Cyclisation Steps from the PKS-NRPS Hybrid During the Biosynthesis of Cytochalasans**

Henrike Heinemann, [Cox](#) Group (University of Hannover, Germany)

**10:40 Development of a Second-Generation <sup>13</sup>C-NMR Assay to Study  $\beta$ -branch Formation in the Kalimantacin Antibiotics**

Angus Weir, [Willis](#) / [Masschelein](#) Groups (University of Bristol / KU Leuven, UK / Belgium)

**11:00 Producing Engineered Lipopeptides via the Ribosomal Route**

Nina-Maria Bösch, [Piel](#) Group (ETH Zürich, Switzerland)

**11:20 Convergent Evolution of Stereodivergent *p*-menthane Gene Clusters in Lamiaceae**

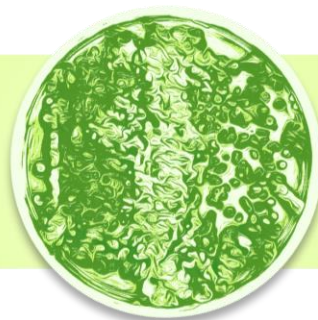
Samuel Smit, [Lichman](#) Group (University of York, UK)

**11:40 NAD as a Building Block in Natural Product Biosynthesis**

Lena Barra, [Abe](#) Group, (University of Tokyo, Japan)

**12:00** Lunch and Posters (1 hr)

# Session 2



**13:00 A Biomimetic Approach to the Synthesis and Prediction of Ulodione Natural Products**  
David Jones, [Lawrence](#) Group (University of Edinburgh, UK)

**13:20 Programming Nonribosomal Peptide Synthetases with DNA Templates**  
Huiyun Peng, [Kries](#) Group (HKI Jena, Germany)

**13:40 Genomic and Transcriptomic Studies on Pleurotin-Producing Fungi for Elucidation of Biosynthesis**  
Jack Weaver, [Alberti](#) Group (University of Warwick, UK)

**14:00 Cryptic O-Acetylation Facilitates Double Bond Formation in Peloruside Biosynthesis**  
Amy Fraley, [Piel](#) Group (ETH Zürich, Switzerland)

**14:20 Chemical and Enzymatic Macrocyclisation of Antibiotic Peptides**  
Yaoyu Ding, [Barry](#) Group (Kings College London, UK)

**14:40** Tea Break and Posters (1 hr)

# Session 3



**15:40 Exploring Epoxyketone Synthases and their Biosynthetic Potential**

Marlene Rothe, [Challis](#) / [Alberti](#) Groups (University of Warwick, UK)

**16:00 Elucidation and Engineering a Bacterial Biosynthetic Pathway for the Synthesis of Novel Anticancer Agents**

Dries De Ruyscher, [Masschelein](#) Group (KU Leuven, Belgium)

**16:20 Adenylation Domain Substrate Selectivity in Fungal Nonribosomal Peptide Biosynthesis**

Stephanie Heard, [Winter](#) Group (University of Utah, USA)

**16:40 Broad Utilization of  $\alpha$ -Keto- $\beta$ -Amino Acid-Installing Peptide Chemistry in the Microbial World**

Thomas Scott, [Piel](#) Group (ETH Zürich, Switzerland)

**17:00 Unique Enzyme Chemistry in the Biosynthesis of a Cyanobacterial Neurotoxin**

April Lukowski, [Moore](#) Group (Scripps Institution of Oceanography, USA)

**17.20** Drinks Reception

**18.00** Prize Announcements