

FINAL PROGRAM

World Summit and Expo on

Medicinal Chemistry, Drug Discovery & Drug Delivery

August 22 - 23, 2024 | Edinburgh, UK

VENUE

Village Hotel Edinburgh
140 Crewe Rd S, Edinburgh EH4 2NY, UK



Thursday, Aug 22, 2024

Day 1

08:45-09:00 Onsite Registrations

09:00-09:15 Opening Remarks and Introduction

Session Chair: Iwao Ojima, INRS-ETE, Canada

Moderator: Campbell McInnes, *University of South Carolina, USA*

09:15-10:00 Title: Drug Design, Discovery and Preclinical Development of Anticancer Agents, Targeting Microtubules and Fatty Acid Binding Proteins

Iwao Ojima, Stony Brook University, USA

10:00-10:45 Title: Complementary Strategies to Target the NF-kappaB Pathway Proteins for Cancer Therapy

Amarnath Natarajan, University of Nebraska Medical Center, USA

10:45-11:05

Coffee Break

11:05-11:50 Title: Vascular Targeting Nanomedicine Agents to Endothelial and Blood Cells

Vladimir R. Muzykantov, University of Pennsylvania, USA

11:50-12:35 Title: Modern and Selective Inhibition of the Hsp90 Protein Folding Machinery

Brian S. J. Blagg, University of Notre Dame, USA

Keynote Session

12:35-13:10 Title: Flexible total syntheses of biological active natural products

Uli Kazmaier, Saarland University, Germany

13:10-13:20

Group Photo

13:20-14:10

Lunch Break

14:10-14:45 Title: Discovery of Novel Antiviral Compounds

Hong Shen, China Innovation Center of Roche, China

14:45-15:20 Title: β -Nitroso-o-Naphthoquinone Methide in Synthesis: A still Untamed Intermediate. Challenges Ahead

Petros G Tsoungas, Hellenic Pasteur Institute, Greece

15:20-15:55 Title: Abbapolin PLK1 degraders in Prostate Cancer: Conversion of a peptide to an in vivo active small molecule through REPLACE
Campbell McInnes, University of South Carolina, USA

15:55-16:15 **Coffee Break**

16:15-16:50 Title: Topical JAK inhibitors for atopic dermatitis: From soft to super-soft
Gebhard Thoma, Novartis Biomedical Research, Switzerland

16:50-17:25 Title: Will be updated soon
Mostafa Mohamed, University of Nottingham, UK

End of Day-1

DAY 2

August 23, 2024 | Edinburgh, UK
@ Meeting Room 1

Invited Talks

Moderator: Elizabeth Boon, *Stony Brook University, USA*

09:00-09:30 Title: Regulation of Biofilm and Virulence in *Pseudomonas aeruginosa*
Elizabeth Boon, Stony Brook University, USA

09:30-10:00 Title: Selective chemical strategies for modifying the immunogenicity of therapeutic viruses
Isaac Carrico, Stony Brook University, USA

10:00-10:30 Development of Phyto-based Aerosol Inhalation Therapy for Ameliorating Respiratory Inflammatory Distress Caused by Airborne Pollutants and Allergens
Chia C. Wang, National Sun Yat-sen University, Taiwan

10:30-11:00 Title: Structure-guided Development of *Trypanosoma brucei* Replication Protein A1 Inhibitors
Jun Yong Choi, Queens College of CUNY, USA

11:00-11:20 **Coffee Break**

11:20-11:50 Title: On the Quest of New Molecular Architectures to Modulate the Bacterial Quorum Sensing
Angelo Henrique de Lira Machado, Universidade de Brasília, Brazil

11:50-12:20 Title: Preparation of optically pure H/D isotopic chiral molecule from its racemic mixture using catalytic asymmetric C–H amination
Tatsuya Uchida, Kyushu University, Japan

12:20-12:50 Title: Development of new polyphenol derivatives of EGCG for treatment of CNS disorders
Gian Luca Araldi, Avanti Biosciences, Inc, USA

12:50-13:50 **Lunch Break**

13:50-14:20 Title: Will be updated soon
Jianfeng Sun, University of Oxford, UK

14:20-14:50 Title: Bioequivalent Intestinal Solubility Determination in vitro
Gavin Halbert, University of Strathclyde, UK

14:50-15:20 Title: Fluorescent Sensor Guided Drug Delivery System for Cancer Therapy
Shiguo Sun, Northwest A&F University, China

15:20-15:40 **Coffee Break**

15:40-16:20 Title: Rational Design and Multicomponent Synthesis of Lipid-Peptoid Nanoparticles
Carlos Kleber Zago de Andrade, University of Brasília, Brazil

16:20-16:50 Title: TPP2: a new drug target for AD therapy
Jisen Huai, Xinxiang Medical University, China

End of Conference

Next Edition

2nd World Summit on
Medicinal Chemistry, Drug Discovery & Drug Delivery
September 15-17, 2025 | Valencia, Spain