

Confirmed Speakers

Opening Lecture

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The Art and Science of Total Synthesis and its Impact on Biology and Medicine: From the Fundamentals to the Translational (T01)



Prof. K.C. NICOLAOU
(RICE UNIVERSITY, Houston, United States)

Invited Speakers

Flow Chemistry and Photochemistry as a Tool for Drug Discovery (T23)



Dr Jesus ALCAZAR
(JANSSEN RESEARCH & DEVELOPMENT, Toledo, Spain)

Awareness of PAINS (Pan Assay Interference Compounds) can Accelerate the Drug Discovery Process (T14)



Prof. Jonathan BAELL
(MONASH UNIVERSITY, Parkville, Australia)

Artificial Intelligence in ADMET Modeling and Compound Profiling (T15)



Dr Karl-Heinz BARINGHAUS
(SANOFI, Frankfurt, Germany)

TLR7/8 Antagonists: from Screening to in vivo Potency (T26)



Dr Claudia BETSCHART
(NOVARTIS INSTITUTES FOR BIOMEDICAL RESEARCH, Basel, Switzerland)

RNA Therapeutics: New Chemical Modalities Becoming a Therapeutic Reality (T25)



Dr Konrad BLEICHER
(F.HOFFMANN-LA ROCHE LTD, Basel, Switzerland)

Sustainable by Design Anti-Trypanosomatid Small Molecules: an Aspirational Goal for Medicinal Chemistry (T16) - ChemMedChem Lecture



Prof. Maria Laura BOLOGNESI
(UNIVERSITY OF BOLOGNA, Bologna, Italy)

Catalytic Chirality Generation: New Strategies for Organic Synthesis (T06)

Confirmed Speakers



Prof. John BOWER
(UNIVERSITY OF BRISTOL, Bristol, United Kingdom)

Nature's Medicine Chest: Opportunities for Synthesis and Drug Discovery (T02)



Prof. Margaret Anne BRIMBLE
(THE UNIVERSITY OF AUCKLAND, Auckland, New Zealand)

Allosteric Activation of a Master Metabolic Regulator AMPK: Drug Discovery Opportunities and Challenges (T27)



Dr Kimberly CAMERON
(PFIZER, Cambridge, United States)

Design and Synthesis of Chemical Probes for Bromodomains (T10)



Prof. Stuart CONWAY
(UNIVERSITY OF OXFORD, Oxford, United Kingdom)

Start Selective and Rigidify: The Discovery Path Towards the Next Generation of EGFR Tyrosine Kinase Inhibitors (T24)



Dr Harald ENGELHARDT
(BOEHRINGER-INGELHEIM, Vienna, Austria)

Artificial Intelligence in de Novo Molecular Design (T17)



Dr Ola ENKVIST
(ASTRAZENECA, Mölndal, Sweden)

Design and Implementation of de Novo Biosynthetic Cascades (T20)



Prof. Sabine FLITSCH
(UNIVERSITY OF MANCHESTER, Manchester, United Kingdom)

Catalysis for Total Synthesis (T21)



Prof. Alois FÜRSTNER
(MAX PLANCK INSTITUT FÜR KOHLENFORSCHUNG, Muelheim an der Ruhr, Germany)

Amides and Chemical Education as Vehicles for Innovation (T18)



Prof. Neil GARG
(UNIVERSITY OF CALIFORNIA, Los Angeles, United States)

A Chemical Approach to Map Protein Interactions at the Cell Surface (T12)

Confirmed Speakers



Dr Erik HETT
(MERCK EXPLORATORY SCIENCE CENTER, Boston, United States)

A Medicinal Chemist's Perspective on Solute Carriers: Avoiding or Targeting them (T11)



Dr Kim HUARD
(GENENTECH, San Francisco, United States)

Practical Heteroatom- and Group-Transfer Reactions (T09)



Dr Laszlo KURTI
(RICE UNIVERSITY, Houston, United States)

Discovery of AZD5718, a Novel 5-lipoxygenase Activating Protein (FLAP) Inhibitor (T19)



Dr Malin LEMURELL
(ASTRAZENECA, Gothenburg, Sweden)

Photoinduced Assembly of C–N Bonds (T08)



Prof. Daniele LEONORI
(UNIVERSITY OF MANCHESTER, Aachen, Germany)

Discovery of First in Class, Orally Bioavailable p300/CBP HAT Domain Inhibitors (T04)



Dr Michael MICHAELIDES
(ABBVIE, North Chicago, United States)

Drug Discovery in Academia (T03)



Prof. Oliver PLETTENBURG
(LEIBNIZ UNIVERSITY HANNOVER, Hannover, Germany)

From Fragments to Antibody Drug Conjugates in Emerging Oncology Targeted Therapies (T13)



Dr Laurent SCHIO
(SANOFI, Vitry sur Seine, France)

Nucleophilic Boron for the Synthesis of Functionalized Small Rings (T07)



Prof. Mariola TORTOSA
(AUTONOMOUS UNIVERSITY OF MADRID, Madrid, Spain)

Development and Application in Flow of Sustainable Synthetic Methodologies that Use Singlet Oxygen as Green Oxidant and Cascade Reaction Facilitator (T22)

Confirmed Speakers



Prof. Georgios VASSILIKOGIANNAKIS
(UNIVERSITY OF CRETE, Heraklion, Greece)

Novel Bacterial Topoisomerase Inhibitors (NBTI) with Potent Gram-Negative Activity (T05)



Dr Cornelia ZUMBRUNN
(IDORSIA PHARMACEUTICALS, Allschwil, Switzerland)

Oral Communications

Rapid Exploration of Synthetically Tractable Chemical Space and Lead Optimization Using a Combination of Reaction-Based Enumeration, Active Learning, and Free Energy Calculations (OC02)



Dr Tatjana BRAUN
(SCHRÖDINGER, Mannheim, Germany)

Developing a 'Reverse-Biomimetic' Synthesis of Arogenate and its Analogues (OC09)



Ms Louise EAGLING
(UNIVERSITY OF BRISTOL, Bristol, United Kingdom)

Macrocyclic Modalities for Modulation of Protein-Protein Interactions (OC06)



Dr Stéphanie GUERET
(ASTRAZENECA MPI SATELLITE UNIT, Mölndal, Sweden)

EFMC Prize for a Young Medicinal Chemist in Academia From the Elucidation of the Mechanism of Vitamin E to the Design of Innovative Drugs that Limit Inflammation and Enhance Resolution (OC10)



Dr Andreas KOEBERLE
(UNIVERSITY OF JENA, Jena, Germany)

Stabilizing Inactive Conformations of MALT1 AS an Effective Strategy to Inhibit its Protease Activity (OC05)



Dr Jean-Baptiste LANGLOIS
(NOVARTIS INSTITUTES FOR BIOMEDICAL RESEARCH, Basel, Switzerland)

EFMC Prize Winner EFMC-YMCS 2018 Development of Release-And-Report Kinase Inhibitors as Molecular Tools for Investigating Neurodegenerative Disorders (OC04)



Dr Cassandra LEE FLEMING
(UNIVERSITY OF GOTHENBURG, Gothenburg, Sweden)

A Radical Approach for the Late-Stage Functionalization of Phosphinic Peptides (OC03)

Confirmed Speakers



Mr Angelos LELIS
(UNIVERSITY OF ATHENS, Athens, Greece)

Practical and Asymmetric Gilman-Speeter Synthesis of B-Lactams (OC01)



Prof. Plato MAGRIOTIS
(UNIVERSITY OF PATRAS, Patras, Greece)

Discovery of GSK701, a Novel Orally Effective Preclinical Drug Candidate for the Treatment of Malaria (OC08)



Dr Jose Ignacio MARTIN
(GSK, Tres Cantos, Spain)

Removable Directing Groups for Late-Stage Functionalisation (OC12)



Dr Miriam O'DUILL
(NATIONAL UNIVERSITY OF IRELAND, Galway, Ireland)

Antimicrobial Activity of Curcumin Analog PGV-6, HGV-6 and GVT-6 (OC07)



Dr Leni RITMALENI
(GADJAH MADA UNIVERSITY, Yogyakarta, Indonesia)

EFMC Prize for a Young Medicinal Chemist in Industry Cipargamin-Biocatalysis in the Discovery and Development of an Antimalarial Drug (OC11)



Dr Radka SNAJDROVA
(NOVARTIS PHARMA AG, Basel, Switzerland)