

Medicinal Chemistry & Chemical Biology [MC]**Morning Session – B6.002**

Chair: Jean-Louis Reymond, University of Bern

Session Endowment: Syngenta Crop Protection AG

- 10:45 **The synthesis of fluorescent cyclic peptides via gold(I)-catalyzed macrocyclization [MC-011]**
Xingyu Liu, EPFL Lausanne
W. Cai, B. Fierz, J. Waser
- 11:00 **LipMetE as a simple guide for half-life optimization [MC-012]**
Giuseppe Cecere, F. Hoffmann-La Roche Ltd
- 11:15 **A General Strategy to Access Hyperstable and Ultrashort Collagen Heterotrimers [MC-013]**
Tomas Fiala, ETH Zurich
V. Islami, P. Bittner, R. Heeb, C. Söll, R. Zenobi, H. Wennemers
- 11:30 **De novo design of talo-configured lactones as a new class of highly potent, selective, and orally bioavailable galectin-3 inhibitors [MC-014]**
Luboš Remeň, Idorsia Pharmaceuticals Ltd
C. Zumburn, C. P. Sager, A. Mac Sweeney, E. Hühn, J. Gatfield, M. H. Bolli
- 11:45 **Inhibition of Cell Motility by Cell-Penetrating Dynamic Covalent Cascade Exchangers - Integrins Participate in Thiol-Mediated Uptake [MC-015]**
Filipe Coelho, University of Geneva
S. Saidjalolov, D. Moreau, O. Thorn-Seshold, S. Matile
- 12:00 **Discovery of ligands for TRIM58, a novel tissue selective E3 ligase [MC-016]**
Klemens Hoegenauer, Novartis Pharma AG
- 12:15 **Rapid photoradiosynthesis and preclinical evaluation of theranostic radioimmunoconjugates using Lutetium-177 [MC-017]**
Simon Klingler, University of Zurich
J. P. Holland

Afternoon Session – B6.002

Chair: Dennis Gillingham, University of Basel

- 14:30 **TYMIRIUM® Technology: The Discovery of Cyclobutryfluram [MC-021]**
Torsten Luksch, Syngenta Crop Protection AG
O. Loiseleur
- 15:00 **A Locally Activatable Sensor for Robust Quantification of Organellar GSH [MC-023]**
Sarah Emmert, University of Zurich
G. Quargnali, S. Thallmair, P. Rivera-Fuentes
- 15:15 **Discovery of Novel Allosteric EGFR L858R Inhibitors for the Treatment of Non-Small-Cell Lung Cancer [MC-024]**
Antonio Ricci, F. Hoffmann-La Roche Ltd
U. Obst-Sander, G. Jaeschke
- 15:30 **PROTACs as a target deconvolution tool of Hedgehog Pathway Inhibitor 1 [MC-025]**
Meropi Bagka, University of Geneva
S. Hoogendoorn
- 15:45 **Leveraging historical small molecule data from the Novartis portfolio: From chemical series evolution to predictive modelling [MC-026]**
Maximilian Beckers, Novartis Pharma AG
N. Sutrm, N. Fechner, N. Stiefl
- 16:00 **Small Ribozymes in Gut Bacteriophages and Their Potential Role in Microbiome-Virome Interactions [MC-027]**
Kasimir Kienbeck, University of Zurich
L. Malfertheiner, S. Zelger-Paulus, S. Johannsen, C. von Mering, R. K. Sigel

Organic Chemistry [OC]**Morning Session – B6.001**

Chair: Francesca Paradisi, University of Bern

Session Endowment: Chemspeed

- 10:45 **Divergent Synthesis of Fluorinated Molecules Using Photoredox Catalysis [OC-011]**
Dmitry Katayev, University of Bern
- 11:15 **Semipinacol Rearrangement of Cyclopropenyl-carbinols for the Synthesis of Highly Substituted Cyclopropanes [OC-013]**
Vladyslav Smyrnov, EPFL Lausanne
J. Waser
- 11:30 **Controlling non-enzymatic terpene cyclizations [OC-014]**
Leonidas Syntrivanis, University of Basel
T. Klucznik, W. Beker, B. A. Grzybowski, M. D. Burke, K. Tiefenbacher
- 11:45 **Iodine atom transfer mediated radical addition - cyclization processes using alpha-boryl radicals [OC-015]**
Gaetano Geraci, University of Bern
Y. Lazib, F. Dénès, L. V. Müller, Z. Mäder, P. Renaud
- 12:00 **Frustrated Ion Pair-Enabled Cross-Electrophile Coupling of Unactivated Alkyl Electrophiles [OC-016]**
Sven Roediger, ETH Zurich
P. Boehm, B. Morandi
- 12:15 **Organocatalytic Synthesis of Triflones Bearing Two Non-Adjacent Stereogenic Centers [OC-017]**
Alena Budinská, ETH Zurich
H. Wennemers

Afternoon Session – B6.001

Chair: Angelo Frei, University of Bern

- 14:30 **Radical Dynamic Digital Twin [OC-021]**
Rolf Gueller, Chemspeed Technologies AG
- 15:00 **Catalyst Control over Threefold Stereogenicity: C–S Atropisomeric Sulfones [OC-023]**
Tanno Schmidt, University of Basel
S. Schumann, A. Ostertag, C. Sparr
- 15:15 **Electrochemically Catalyzed Nitration of Unsaturated Hydrocarbons [OC-024]**
Subrata Patra, University of Bern
D. Katayev
- 15:30 **Surfactant-driven Strategies for Sustainable C–H Activation: Progressing Towards Mild Reaction Conditions [OC-025]**
Pascal Hauk, Université de Strasbourg
J. Wencel-Delord, F. Gallou
- 15:45 **A General Strategy to Develop Fluorogenic Polymethine Dyes for Bioimaging [OC-026]**
Annabell Martin, University of Zurich
P. Rivera-Fuentes
- 16:00 **Directional ionic bonds [OC-027]**
Illia Hutskalov, University of Zurich
A. Linden, I. Corić