



SCS
Swiss Chemical
Society
Swiss Young
Chemists' Association

Swiss Snow Symposium 2020

Science meets snow

24.-26. January 2020, Saas Fee

Symposium and accommodation hosted at Panorama Hotel Alphubel

Scientific Symposium - Invited Speakers:

Prof. Paul Dyson (EPFL)

Prof. Victor Mougél (ETHZ)

Prof. Christof Sparr (University Basel)

Dr. Daniel Seeliger (Boehringer Ingelheim)

Dr. Jean-Baptiste Langlois (Novartis)

Dr. Maud Reiter (Firmenich)

Dr. Richard J. Smith (Wiley-VHCA)

For more information visit scg.ch/snowsymposium/2020



Friday, January 24, 2020

from 17:00 Registration, Apéro

18:20 - 19:25 Dinner

19:25 - 19:30 Words of Welcome: Dr. Guido Panzarasa, Chair of SSS20

Evening Session

Chairs: Guido Panzarasa, ETHZ and Vittoria Chimisso, Uni Basel

19:30 - 20:15 Invited Lecture: **Prof. Paul Dyson**, EPFL Lausanne

«The role of metals in life and medicine»

20:15 - 21:00 Invited Lecture: **Dr. Jean-Baptiste Langlois**, Novartis, Basel

«Stabilizing inactive conformations of MALT1 as an effective strategy to inhibit its protease activity»

21:00 - 21:10 Break

21:10 - 21:55 Invited Lecture: **Prof. Victor Mougél**, ETH Zürich

«Bio-inspired strategies for overall CO₂ reduction»

21:55 - 22:40 Invited Lecture: **Christof Sparr**, University of Basel

«Catalytic Cascade Reactions Inspired by Polyketide Biosynthesis»

22:40 - 22:55 Contributed Talk: **Patrick Zwick**, University of Basel

«Transport Phenomena through Porphyrin Nano»

22:55 - 23:10 Contributed Talk: **Kyung Seob Song**, University of Fribourg

«Ordered Heterogeneity in Multi-Metallic Metal-Organic Frameworks»

From 23:10 Get together at the hotel bar

Saturday, January 25, 2020

Day time Breakfast
Snow sports, wellness program or shopping trip

Early Evening Session

Chair: Dr. Jovana Milic, EPFL

- 17:00 - 17:45 Invited Lecture: **Dr. Maud Reiter**, Firmenich SA, Geneva
«Firmenich's Journey towards Sustainable Perfumery Ingredients»
- 17:45 - 18:30 Invited Lecture: **Dr. Richard Smith**, Wiley-VHCA
«Publishing in Wiley Chemistry Journals / How to Maximize Your Success – A Swiss View (by Taking a Closer Look at Editorial Processes)»
- 18:30 - 18:35 Group Photo
- 18:35 - 19:45 Dinner

Late Evening Session

Chairs: Stephanie Linker, ETHZ, and Dragan Miladinov, Uni Basel

- 19:35 - 20:35 Poster session
- 20:35 - 21:20 Invited Lecture: **Dr. Daniel Seeliger**, Boehringer-Ingelheim
«Computational Molecular Design in Medicinal Chemistry»
- 21:20 - 21:35 Contributed Talk: **Vladimir Gorbachev**, ETH Zürich
«Cryogenic ion vibrational predissociation (CIVP) spectroscopy of a gas-phase molecular torsion balance to probe London dispersion forces in large molecules»
- 21:35 - 21:50 Contributed Talk: **Laurent Severy**, University of Zürich
«Host-guest interactions on electrode surfaces for immobilization of molecular catalysts»
- 21:50 - 22:00 Break
- 22:00 - 22:15 Contributed Talk: **Przemyslaw Rzepka**, ETH Zürich
«The chemical nature of CO₂ adsorption on zeolites»
- 22:15 - 22:30 Contributed Talk: **Jihye Suh**, University of Zürich
«Synthesis of Bismuth Sulfuriodide For Water Splitting»
- 22:30 - 22:45 Contributed Talk: **Henrik Peters**, University of Basel
«Monofunctional Organic Cage for Gold Nanoparticles»
- 22:50 - 23:00 Helvetica Prize for the Best Contributed Talk and the best Poster Presentation
Dr. Guido Panzarasa, Dr. Richard Smith
- From 23:00 Get together at the hotel bar

Poster Presentations

Vittoria Chimisso, University of Basel

«Effect of Divalent Cation on Swelling Behavior of Anionic Microgels: Quantification and Dynamics of Ion Uptake and Release»

Erik Jung, University of Zurich

«Towards New Fidaxomicin Antibiotics: Combining Metabolic Engineering and Semisynthesis»

Selina K. Kaiser, ETH Zurich

«Controlling the speciation and reactivity of carbon-supported gold nanostructures in catalyzed acetylene hydrochlorination»

Charlotte Kress, University of Basel

«A Macrocyclic Au-Atom Acceptor»

Stephanie Linker, ETH Zürich

«Enhanced Sampling and Reweighting Methods to Understand Rare-Event Kinetics of Cyclic Peptides»

Jovana V. Milić, EPFL Lausanne

«Supramolecular Engineering of Layered Architectures for Perovskite Solar Cells»

Guido Panzarasa, ETH Zurich

«Chemical Control Systems for Soft Materials»

Guido Zichittella, ETH Zurich

«Mechanistic origin of the halogen-dependent selectivity switch in catalyzed alkane oxyhalogenation»

Sunday, January 26, 2020

07:30-09:00	Breakfast
09:00-10:00	Checkout
from 10:00	Individual Departure

All abstracts are available as pdf files on:

scg.ch/sss/2020



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