

## 2021 Chemistry Travel Award by SCNAT and SCS

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The Platform Chemistry of the Swiss Academy of Sciences (SCNAT) together with the Swiss Chemical Society (SCS) announces the «2021 Chemistry Travel Award». This program supports excellent PhD students in the chemical sciences by sponsoring them to participate in an international conference. After most conferences have been cancelled or virtualized, the organizers of the Travel Award expanded the program with a new alternative. This second option offers support to visit a foreign lab for a short research project abroad. Students from all fields of chemistry and from any Swiss institution were invited to participate. The selection committee consists of four chemists working in diverse fields of chemistry: Prof. Dr. Christian Bochet (SCS, University of Fribourg), Dr. Remo Gamboni (SCS, NANDASI Pharma Advisors), Prof. Dr. Laura Nyström (SCNAT, ETH Zurich), and Prof. Dr. Shana Sturla (SCNAT, ETH Zurich). They each reviewed and rated all of the applications of both categories, based primarily on the submitted conference abstract or project plan.

On behalf of SCNAT and SCS we hereby congratulate this year's winners and wish them a very successful conference participation or research stay.

We proudly present the winners of the «2021 Chemistry Travel Award»:

### Conference Participation



#### Qinlei LIU

Group: Prof. Renato Zenobi  
 Conference: 69<sup>th</sup> ASMS Conference on Mass Spectrometry and Allied Topics  
 Contribution: High-throughput single-cell metabolomics using dielectric barrier discharge ionization – high resolution mass spectrometry



#### Hanna TRAEGER

Group: Prof. Christoph Weder  
 Conference: ACS Spring Meeting: Bonding Through Chemistry  
 Contribution: Loop structures as non-covalent mechanochromic motifs



#### J. Madhusudhan NAIK

Group: Prof. Greta R. Patzke  
 Conference: 2021 MRS Fall Meeting & Exhibit  
 Contribution: Reversible phase transitions in novel Ce-substituted perovskite oxide composites for solar thermochemical CO<sub>2</sub> redox splitting



#### Viktoriia MORAD

Group: Prof. Maksym Kovalenko  
 Conference: MRS Fall Meeting & Exhibit  
 Contribution: Hybrid 0D Antimony Halides as Air-Stable Luminophores for High-Spatial-Resolution Remote Thermography



#### Sophia THIELE

Group: Prof. Harm-Anton Klok  
 Conference: Pacificchem 2021  
 Contribution: Shining light on surface-initiated organocatalyzed atom transfer radical polymerization



#### Jyoti DHANKHAR

Group: Prof. Ilija Čorić  
 Conference: International Symposium on Synthesis and Catalysis 2021 (ISySyCat2021)  
 Contribution: Spatial Anion Control on Palladium for Mild C-H Arylation of Arenes



#### Alexandre ANTHIS

Group: Prof. Inge Herrmann  
 Conference: Materials Research Society (MRS) – Fall Meeting 2021  
 Contribution: Leak-tight anastomosis hydrogel sealants using mutually interpenetrating networks



#### Maximilian BECKER

Group: Prof. Corsin Battaglia  
 Conference: 240<sup>th</sup> ECS Meeting  
 Contribution: The Hydrotropic Effect of Ionic Liquids in Water-in-Salt Electrolytes



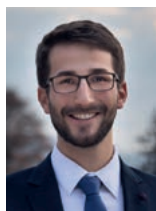
#### Marie BISCHOFF

Group: Prof. Arianna Marchioro  
 Conference: Electrochemistry Gordon Research Conference and Seminar  
 Contribution: Ion specificity at the aqueous electrolyte/nanoparticle interface



#### Michèle CLERC

Group: Dr. Luciano Boesel  
 Conference: Macromolecular Colloquium 2022  
 Contribution: Visible-light responsive on-demand drug-delivery systems using Donor-Acceptor Stenhouse Adduct (DASA) photoswitches



Adam **EÖRDÖGH**  
 Group: Prof. Pablo Rivera-Fuentes  
 Conference: Pacificchem 2021  
 Contribution: Single-Molecule Imaging with Environment-sensitive Photoactivatable Probes



Jimmy **MAILLARD**  
 Group: Prof. Alexandre Fürstenberg  
 Host: Prof. Mike Heilemann, Goethe Uni, Frankfurt a. M., D  
 Project: Fluorescence labelling of the G protein-coupled receptor CCR5 for single-molecule applications using CRISPR/Cas12 gene editing technology

## Lab Visit



Moritz **BERNHARDT**  
 Group: Prof. Christophe Copéret  
 Host: Prof. Olivier Cador, Uni Rennes, FR  
 Project: Lanthanide Sandwich Complexes used for Surface Immobilized Single-Molecule Magnets



Kaila **YALLUM**  
 Group: Prof. Natalie Banerji  
 Host: Prof. Carlos Silva, Georgia Institute of Technology, Atlanta, USA  
 Project: Two Dimensional Coherent Photocurrent Spectroscopy of Non-Fullerene Acceptors



Scott **DOCHERTY**  
 Group: Prof. Christophe Copéret  
 Host: Prof. Atsushi Urakawa, TU Delft, NL  
 Project: Molecular Approaches for the Study of Bimetallic Catalysts in the Hydrogenation of CO<sub>2</sub> to Methanol



Devi Prasad **ADIYERI SASEENDRAN**  
 Group: Prof. Greta R. Patzke  
 Host: Prof. Serena DeBeer, Max-Planck Institute for Chemical Energy Conversion, Mülheim, D  
 Project: Understanding Hybrid Molecular Photoanodes using Operando X-ray Emission Spectroscopy



Michal **SWIERCZEWSKI**  
 Group: Prof. Thomas Bürgi  
 Host: Prof. Lay-Theng Lee, CEA-Saclay L'Université Paris-Saclay, FR  
 Project: X-ray reflectivity structural study of gold nanocluster ultrathin films prepared using Langmuir-Blodgett technique

Depending on the state of the pandemic, the attendance of the winners to the conferences may change from this list. The rules regarding these changes have been published on the web page of the Platform Chemistry.

Additional information about the Platform Chemistry and its activities may be found at [chem.scnat.ch](http://chem.scnat.ch)

Do not miss the «2022 Chemistry Travel Award», which will be announced early in 2022 on [chem.scnat.ch/travel\\_award](http://chem.scnat.ch/travel_award) and in CHIMIA.



Jasper **MÖHLER**  
 Group: Prof. Helma Wennemers  
 Host: Prof. Wolfgang Kroutil, Uni of Graz, AT  
 Project: Development of cascade reactions employing enzyme and peptide catalysts in a single chemical reaction vessel