

2023 Chemistry Travel Awards by SCNAT and SCS

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The Platform Chemistry of the Swiss Academy of Sciences (SCNAT), in collaboration with the Swiss Chemical Society (SCS), is pleased to announce the selection of 45 winners for the Chemistry Travel Award 2023. This initiative aims to provide financial support to exceptional PhD students in the field of chemistry, enabling them to actively engage in an international conference. The rigorous selection process involved a committee comprising four distinguished chemists representing various subdisciplines of chemistry: Prof. Dr. Pablo Rivera Fuentes (SCS, University of Zurich), Dr. Alain de Mesmaeker (SCS), Prof. Dr. Catherine Housecroft (SCNAT, University of Basel), and Prof. Dr. Laura Nyström (SCNAT, ETH Zurich). Each jury member meticulously reviewed and evaluated all submitted applications (excluding those with a conflict of interest). On behalf of SCNAT and SCS, we extend our thanks to the jury for their extensive work and our heartfelt congratulations go out to this year's awardees. We wish them a productive and successful conference.



Pardis Adams, UZH Advisor: David Tilley Conference: International Conference on Materials for Advanced Technologies Contribution: Sequential etching and $CuCl_2$ treatment strategy for improved performance in Sb₂Se₃ water splitting photocathodes



David Anderson, UniBe Advisor: Eva Hevia

Conference: 21st International Symposium in Organometallic Chemistry Directed Toward Organic Synthesis Contribution: Highly reactive hydrocarbon soluble alkylsodium reagents for benzylic

aroylation of toluenes using Weinreb amides



Phil Becker, ETHZ Advisor: Jonathan Hall

Conference: 19th Annual Meeting of the Oligonucleotide Therapeutics Society Contribution: Advancements in targeted oligonucleotide therapeutics or splicing correction in erythropoietic protoporphyria



Léonard Bezinge, ETHZ Advisor: Chih-Jen Shih Conference: Biosensors 2023, 33rd Anniversary World Congress on Biosensors Contribution: A paper-based electrochemical platform with embedded porous electrodes for capillary-driven diagnostic bioassays

Andrea Blankenship, ETHZ

Julien Borrel, EPFL

Advisor: Jérôme Waser

Radical Chemistry (PSRC-10)

through radical-polar crossover

Advisor: Jeroen van Bokhoven Conference: 2023 AIChE Annual Meeting Contribution: Rethinking conventions for methane partial oxidation to a methyl ester with heterogeneous catalysts



Jasmina Büchel, ETHZ

Conference: 10th Pacific Symposium on

Contribution: Azido-alkynylation of alkenes

Advisor: Shana Sturla Conference: ACS Fall Meeting 2023 Contribution: Single-nucleotide resolution mapping reveals profiles of O6-methylguanine formation and repair in a brain tumor cell line exposed to the anticancer drug temozolomide

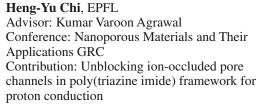
Alena Budinská, ETHZ

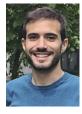
centers

Advisor: Helma Wennemers Conference: GRC on Organic Reactions and Processes Contribution: Organocatalytic synthesis of triflones bearing two non-adjacent stereogenic



Matthias Bütikofer, ETHZ Advisor: Roland Riek Conference: EUROMAR Contribution: From screening to structure -Boosting NMR-based drug discovery with hyperpolarisation and label-free structure determination





Sergio Cuesta Galisteo, UZH Advisor: Cristina Nevado Conference: 27th International symposium: Synthesis in organic chemistry Contribution: Nickel catalyzed enantioselective C-H benzylic carbamoylation



Sarah Emmert, UZH Advisor: Pablo Rivera-Fuentes Conference: Molecular Machinery in Real Time and Space Contribution: A locally activatable sensor for robust quantification of organellar GSH



Isabella Ferrara, UZH Advisor: Karl Gademann Conference: IX EFMC International Symposium on Advances in Synthetic and Medicinal Chemistry Contribution: Semi-synthesis of thioglycoside derivatives of the natural product antibiotic fidaxomicin



Takuji Fujii, EPFL Advisor: Jieping Zhu Conference: 22nd European Symposium on Organic Chemistry Contribution: [2+2] Annulation between arylboronic acids and alkenes enabled by Pd(II)/(IV)-redox cycle



Lucía Gallego Aibar, UZH Advisor: Michel Rickhaus Conference: 17th International Symposium on Macrocyclic and Supramolecular Chemistry Contribution: Restricting the shape-assisted self-assembly of carpyridines to one dimension



Vera Giulimondi. ETHZ Advisor: Javier Pérez-Ramírez Conference: EuropaCat 2023 - the 15th European Congress on Catalysis Contribution: Unraveling the catalytic role of Pt single atom catalysts in acetylene hydrochlorination by Operando X-ray absorption spectroscopy



Illia Hutskalov, UZH Advisor: Ilija Coric Conference: 17th International Symposium on Macrocyclic and Supramolecular Chemistry Contribution: Directional ionic bonds



Valeriia Hutskalova, UniBas Advisor: Christof Sparr Conference: 27th International symposium: Synthesis in organic chemistry Contribution: Modular synthesis, applications and photophysical study of novel acridinium photocatalysts







polymerization Ziegler-Natta pre-catalyst -VOCl₂-MgCl₂ – from ⁵¹V ssNMR Luisa Joëlle Kubeneck, ETHZ Advisor: Ruben Kretzschmar

Contribution: Surface sites of V-based olefin

Conference: Biomass to Biobased Chemicals

Marie Jones, EPFL

and Materials GRC

Yuva Kakiuchi, ETHZ

Conference

Advisor: Christophe Copéret

Advisor: Jeremy Luterbacher

Contribution: Life-cycle analysis of

functionalized lignocellulosic sugars as biobased substitutes for polymers and solvents

Conference: BlueSky/Incorep Polyolefin

Conference: Goldschmidt 2023 Contribution: Unravelling vivianite formation in-situ in intertidal sediments: The role of P-adsorbed ferrihydrite as a precursor



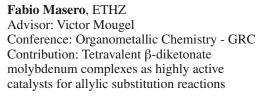
Aline Linder. ETHZ Advisor: Klaus Ever Conference: 12th Meeting of the International Society of Systemic Autoinflammatory Diseases Contribution: Measuring pro-inflammatory dynamics of individual secreting cells to study cellular dysregulation



Annabell Martin, EPFL/UZH Advisor: Pablo Rivera-Fuentes

Conference: FASEB The Optical Probes Conference: Discovery to Application Contribution: A general strategy to develop fluorogenic polymethine dyes for bioimaging





Tom Nelis, EPFL

Advisor: Jeremy Luterbacher Conference: EUROPA CAT Contribution: Heterogeneous catalyst development for the hydrogenation of thermally unstable acid-sensitive esters

Anna Nobile, ETHZ Advisor: Christophe Copéret

Conference: BlueSky/Incorep Polyolefin Conference Contribution: Designing molecularly defined Cr(III)-alkyl analogs to Cr-based ethylene polymerization catalysts





Robin Nussbaum, UniGe Advisor: Eric Bakker Conference: IEBS 2023 XVI International Estuarine Biogeochemistry Symposium Contribution: Improving constant potential

coulometry for in situ ultrasensitive pH

measurement



Valery Okatenko, EPFL Advisor: Raffaella Buonsanti Conference: ACS Fall 2023 Contribution: Ga-based nanoparticles provide new strategies for stable CO₂ reduction electrocatalysts



Jiaming Peng, UniBas Advisor: Florian Seebeck Conference: the 16th International Symposium on Biocatalysis and Biotransformations (Biotrans 2023) Contribution: Exploring the scope of methyltransferase biocatalysis



Marie Perrin, ETHZ Advisor: Victor Mougel Conference: 6th EuChemS Conference on Green and Sustainable Chemistry Contribution: Europium recovery from e-waste using redox active ligands.



Lauriane Pillet, UniBe Advisor: Francesca Paradisi Conference: Biotrans 2023 Contribution: Novel triple mutant of an extremophilic glycosyl hydrolase enables the rapid synthesis of thioglycosides



Salome Püntener, UZH Advisor: Pablo Rivera-Fuentes Conference: Chemical Imaging Contribution: Single-molecule peptide identification using fluorescence blinking fingerprints



Mikus Purins, EPFL Advisor: Jérôme Waser Conference: GRC - Catalysis, Methods and Strategies Empowering Organic Synthesis Contribution: Chemodivergent asymmetric synthesis via a catalytically formed chiral auxiliary

Perrine Robin, EPFL Advisor: Sandrine Gerber Conference: Biosensors 2023 Contribution: DNA-biosensors for reaching attomolar detection of viruses from saliva





Conference: 23^{rd} Tetrahedron Symposium Contribution: Transition metal-free crosselectrophile coupling of unactivated C(sp³)fragments

Jeannette Ruf, UZH Advisor: Peter Hamm Conference: Time Resolved Vibrational Spectroscopy Contribution: The molecular mechanism of light-induced bond formation and breakage in the cyanobacteriochrome TePixJ

Sven Roediger, ETHZ

Advisor: Bill Morandi



Kostiantyn Sakhatskyi, ETHZ Advisor: Maksym Kovalenko Conference: PSCO23 Contribution: Stable perovskite single-crystal X-ray imaging detectors with single-photon sensitivity



Ona Segura Lecina, EPFL Advisor: Raffaella Buonsanti Conference: ACS Fall 2023 Harnessing the power of data Contribution: Stable and luminescent colloidal ALD-grown quantum dot@metal-oxide hybrids



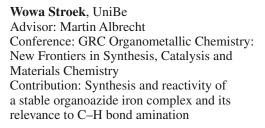
Gulsana Sissengaliyeva, UniBe Advisor: Philippe Renaud Conference: 10th Pacific Symposium on Radical Chemistry Contribution: Hydroperfluoroalkylation of unactivated alkenes



Miguel Steiner, ETHZ Advisor: Markus Reiher Conference: IUPAC World Chemistry Congress Contribution: Steering automated mechanism exploration in chemical reaction space



Sylvain Sudan, EPFL Advisor: Kay Severin Conference: The International Symposium on Macrocyclic and Supramolecular Chemistry Contribution: Palladium-based metallosupramolecular assemblies: from complext structures to simple water-soluble anion receptors





Kai Zhang, UZH Advisor: Michel Rickhaus Conference: 17th International Symposium on Macrocyclic and Supramolecular Chemistry Contribution: At the core of dynamic polymers: The self-assembly of twisted aryl amines



Jiangtao Zhao, UniGe Advisor: Thomas Bürgi Conference: ACS Fall 2023 Contribution: Implantation of metal complexes on Au_{25} nanocluster for enhanced photocoupled electrocatalytic CO₂ reduction



Chenglian Zhu, ETHZ Advisor: Maksym V. Kovalenko Conference: PSCO-2023 Contribution: Many-body Correlations and Exciton Complexes in CsPbBr₃ Quantum Dots

You can find further details about the activities organized by the Platform Chemistry at SCNAT by visiting chem.scnat.ch. If you are not amongst this year's winners: make sure you don't miss out on the opportunity to participate in the 2024 Chemistry Travel Awards. The announcement will appear early 2024 on chem.scnat.ch/travel_award and in CHIMIA.

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