

2022 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) are happy to announce the 45 winners of the Chemistry Travel Award 2022. This program supports excellent PhD students in the chemical sciences by sponsoring them to participate actively in an international conference or to visit a foreign lab for research purposes. The selection committee consists of four chemists working in diverse fields of chemistry: Prof. Dr. Pablo Rivera Fuentes (SCS, University of Zurich), Dr. Remo Gamboni (SCS, NANDASI Pharma Advisors), Prof. Dr. Catherine Housecroft (SCNAT, University of Basel), Prof. Dr. Laura Nyström (SCNAT, ETH Zurich). They each reviewed and rated all the applications. On behalf of SCNAT and SCS, we hereby congratulate this year's winners and wish them a very successful conference participation or research stay.

1. International Conferences



Esra **AHUNBAY**
 Group: Prof. Roland Sigel
 Conference: RNA: Structure meets function
 Contribution: Watching the self-splicing of a wild-type group II intron with single-molecule resolution



Arik **BECK**
 Group: Prof. Jeroen van Bokhoven
 Conference: 55th German Catalysis Meeting
 Contribution: Following the structure of copper-zinc-alumina across the pressure gap in carbon dioxide hydrogenation



Alina **BEGLEY**
 Group: Prof. Renato Zenobi
 Conference: GRC on Plasma Processing Science – Plasmas and Their Interactions with Matter
 Contribution: Characterizing Proteins Treated by a Low-Temperature Plasma Jet using High Resolution Mass Spectrometry



Mariia **BELIAEVA**
 Group: Prof. Florian Seebeck
 Conference: FEBS The Biochemistry Global Summit
 Contribution: Enzymatic Landscape of Ergothioneine Degradation



Stefania **BERTELLA**
 Group: Prof. Jeremy Luterbacher
 Conference: Realizing Lignin's Potential in Biorefining by Bridging Plant Biology, Chemistry and Engineering
 Contribution: Unlocking the potential of lignin in material applications through its simultaneous isolation and multi-functionalization



Manuel Luca **BESMER**
 Group: Prof. Roger Alberto
 Conference: 11th International Symposium on Technetium and Rhenium – Science and Utilization
 Contribution: ⁹⁹Tc-PNP Pincer Complexes interacting with Small Molecules



Tobias **BÜRGIN**
 Group: Prof. Oliver Wenger
 Conference: PhotoIUPAC 2022
 Contribution: A Cr^{III} Complex in Photoredox Catalysis



Filippo **BUTTIGNOL**
 Group: Prof. Oliver Kroecker
 Conference: The 27th North American Catalysis Society Meeting
 Contribution: The NO-N₂O-SCR reaction: a catalytic and spectroscopic investigation



Priscila **CAVASSIN**
 Group: Prof. Natalie Banerji
 Conference: GRC on Electronic Processes in Organic Materials
 Contribution: Electrochemical doping mechanisms in the disordered and ordered phase of P3HT



Roberto **CESTARO**
 Group: Prof. Patrik Schmutz
 Conference: EUROCORR 2022
 Contribution: Manganese Oxides film synthesis and Photocorrosion Mechanisms characterization



Eloïse **COLSON**
 Group: Prof. Philippe Renaud
 Conference: XXVII EFMC International Symposium on Medicinal Chemistry
 Contribution: Expanding the Medicinal Chemistry Synthetic Toolbox with a Radical [3+3]-Annulation towards Tropane and Related Alkaloid Skeletons



Elliott **DENTON**
 Group: Prof. Bill Morandi
 Conference: GRC on Stereochemistry 2022
 Contribution: Catalytic Carbochlorocarbonylation of Unsaturated Hydrocarbons via C–COCl Bond Cleavage



Patrick Walter **FRITZ**
 Group: Prof. Ali Coskun
 Conference: International Symposium on Porous Organic Polymers
 Contribution: Tetraoxa[8]circulenes – Exciting Building Blocks for Porous Organic Polymers and Metal-Organic Frameworks



Valentina **GASSER**
 Group: Prof. Bill Morandi
 Conference: 22nd Tetrahedron Symposium
 Contribution: Synthesis of N-Alkyl Anilines from Arenes via Iron-Promoted Aromatic C–H Amination



Silvana **GEISSHÜSLER**
 Group: Prof. Jean-Christophe Leroux
 Conference: GPEN
 Contribution: Amphiphilic Cyclodextrin Nanoparticles delivered by Microneedles



Felix **GLASER**
 Group: Prof. Oliver Wenger
 Conference: GRC on Electron Donor-Acceptor Interactions
 Contribution: Red Light Driven Dual Photoredox Catalysis



Vladimir **GORBACHEV**
 Prof. Peter Chen
 Conference: International Symposium on Molecular Spectroscopy
 Contribution: Can London dispersion override cation- π interactions?
 Remark: Mr. Gorbachev's award of 2020 was annulled at his request to be able to participate in this year's competition.



Shu-Min **GUO**
 Group: Prof. Olivier Baudoïn
 Conference: Belgian Organic Synthesis Symposium
 Contribution: A C–H activation-based enantioselective synthesis of lower carbo[n]helicenes (n = 4-6)



Melanie **GUT**
 Group: Prof. Jason Holland
 Conference: International Society of Radiopharmaceutical Sciences (ISRS)
 Contribution: Molecular imaging of PSA using DARPIn scaffolds



Cedric **HERVIEU**
 Group: Prof. Cristina Nevado
 Conference: 17th Belgian Organic Synthesis Symposium
 Contribution: Asymmetric, visible light-mediated radical sulfinyl-Smiles rearrangement to access all-carbon quaternary stereocentres



Kuang-Jung **HSU**
 Group: Prof. Kumar Varoon Agrawal
 Conference: GRC on Membranes
 Contribution: N-functionalized Single-Layer Graphene for Post-Combustion Carbon Capture



Kevin Maik **JABLONKA**
 Group: Prof. Berend Smit
 Conference: MOF 2022
 Contribution: Navigating through digital reticular chemistry



Nadir **JORI**
 Group: Prof. Marinella Mazzanti
 Conference: GRC 2022 on Inorganic Chemistry
 Contribution: Cation assisted binding and cleavage of dinitrogen by uranium complexes



Takehiro **KATO**
 Group: Prof. Stefan Matile
 Conference: 8th EuChemS Chemistry Congress
 Contribution: Cyclic Thiosulfonates for Thiol-Mediated Uptake: Cascade Exchangers, Transporters, Inhibitors.



Derek **KIEBALA**
 Group: Prof. Christoph Weder
 Conference: ACS Fall Meeting 2022
 Contribution: A self-reporting supramolecular cross-linker for dynamic polymer materials



Annelies **LANDUYT**
 Group: Prof. Christoph Müller
 Conference: ACS Fall meeting 2022
 Contribution: Insights on the carbonation mechanism of alkali metal nitrate promoted MgO by oxygen isotope labeling experiments

**Lukas LÄTSCH**

Group: Prof. Christophe Copéret
 Conference: ADHOC2022 conference
 Contribution: Formation and Stability of μ_2 -Peroxo on Titanosilicates and TiO_2 : Implications for the Selectivity of Zeotype Catalysts

**Juraj MALINČÍK**

Group: Prof. Tomáš Šolomek
 Conference: 19th International Symposium on Novel Aromatic Compounds
 Contribution: Synthesis and properties of helicene carbon nano hoops: Circularly-polarized fluorophores with Möbius topology

**Franziska MARX**

Group: Prof. Christoph Weder
 Conference: ACS Fall meeting 2022
 Contribution: Exploring new building blocks for healable metallosupramolecular polymers

**Takeru MIYAKOSHI**

Group: Prof. Olivier Baudoin
 Conference: 17th Belgian Organic Synthesis Symposium
 Contribution: Remote Construction of N-Heterocycles via 1,4-Palladium Shift-Mediated Double C-H Activation

**Kostas PARKATZIDIS**

Group: Prof. Athina Anastasaki
 Conference: European Polymer Congress
 Contribution: Transformer-Induced Metamorphosis of Polymeric Nanoparticle Shape at Room Temperature

**Patrick PFAFF**

Group: Prof. Erick Carreira
 Conference: ACS Fall Meeting 2022
 Contribution: Novel Azoacetylene Chemistry for the Synthesis of Photoswitchable Conjugates

**Jonathan PFEUFFER-ROOSCHÜZ**

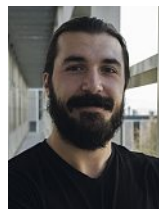
Group: Prof. Konrad Tiefenbacher
 Conference: International Symposium of Macrocyclic and Supramolecular Chemistry (ISMSC)
 Contribution: Xanthene[n]arenes: Exceptionally Large, Bowl-shaped Macrocycles Suitable for Self-Assembly

**Karoline REHM**

Group: Prof. Laurent Bigler
 Conference: International Mass Spectrometry Conference 2022 (IMSC 2022)
 Contribution: A Comprehensive Method to Elucidate Pyoverdines Produced by Fluorescent *Pseudomonas* ssp. by UHPLC-HR-MS/MS

**Riccardo RIZZO**

Group: Prof. Marcy Zenobi-Wong
 Conference: GRC on Additive Manufacturing of Soft Materials
 Contribution: Development of Novel Photoclick Bioresins: from Two-Photon Stereolithography to Volumetric Printing

**Georgios TOUPALAS**

Group: Prof. Bill Morandi
 Conference: 22nd Tetrahedron Symposium
 Contribution: Non-innocent electrophiles unlock exogenous base-free coupling reactions

**Paul VARAVA**

Group: Prof. Kay Severin
 Conference: 44th International Conference on Coordination Chemistry
 Contribution: Discovery, Reactivity and Coordination Chemistry of Diazoolefins

**Joseph WOODS**

Group: Prof. Michel Rickhaus
 Conference: The 19th International Symposium on Novel Aromatic Compounds
 Contribution: Shape-Assisted Self-Assembly of Negatively Curved Aryl Frameworks

**Suiying YE**

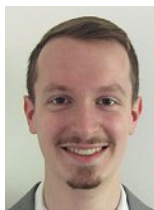
Group: Prof. Jean-Christophe Leroux
 Conference: ACS Fall Meeting 2022
 Contribution: Full-color tunable polymers with high-contrast photochromic fluorescence via through-space charge transfer

2. Foreign Lab Visits**Luis FÁBREGAS IBÁÑEZ**

Group: Prof. Gunnar Jeschke
 Host: Prof. Stefan Stoll, University of Washington, Seattle, USA
 Purpose of visit: Developing DeerLab, a Python software package for modelling and analyzing dipolar EPR spectroscopy data

**Jakob LANG**

Group: Prof. Dr. Meredith Schuman
 Host: Dr. Frank Chidawanyika, Thomas Odhiambo Campus International Centre of Insect Physiology and Ecology (icipe) – Mbita Point, Kenya
 Purpose of visit: Establishment of sampling procedures for plant volatiles and metabolites in East African agroecosystems

**Maxime PONCET**

Group: Prof. Claude Piguet
Host: Dr. Juan Ramón Jiménez-Gallego,
Coordination Chemistry Group, University of
Granada, Granada, Spain
Purpose of visit: Chiral resolution and CPL
measurements of Cr(III) sensitizers for mo-
lecular polynuclear d-f assemblies

**Lukas RIMLE**

Group: Prof. Christoph von Ballmoos
Host: Prof. Thomas Meier, Imperial college
London, London, England, United Kingdom
Purpose of visit: Visualising peptide drug
interactions to the mammalian ATP synthase
using Cryo-EM

**Dietger VAN DEN EYNDEN**

Group: Prof. Jonathan De Roo
Host: Prof. Ivan Infante, NanoChemistry,
Istituto Italiano di Tecnologia, Genova, Italy
Purpose of visit: Modeling the surface chem-
istry of atomically precise metal oxo clusters
using molecular dynamics

**Maximilian WRANIK**

Group: Prof. Jörg Standfuss
Host: Ana Gonzales, BioMAX beamline, MX
group, MAX IV Laboratory, Lund University,
Lund, Sweden
Purpose of visit: Towards the understanding
of the unbinding process of synthetic photo-
switches

Additional information about the activities organised by the Platform Chemistry at SCNAT can be found on chem.scnat.ch.

Do not miss the chance to participate in the '2023 Chemistry Travel Award', which will be announced early in 2023 on chem.scnat.ch/travel-award and in CHIMIA.