

sc | nat Chemistry  
Platform of the Swiss Academy of Sciences**2017 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) announced the «2017 Chemistry Travel Award». This program aims to support excellent PhD students in the chemical sciences by sponsoring them to participate in an international conference. Students from all fields of chemistry and from any Swiss institution were invited to participate and many applications were received. The selection committee is set up with two representatives from each organisation and who are working in diverse fields of chemistry: Prof. Dr. Christian Bochet (SCS, University of Fribourg), Dr. Thomas Gude (SCNAT, Swiss Quality Testing Services), Dr. Marc Suter (SCS, Eawag), and Prof. Dr. Oliver Wenger (SCNAT, University of Basel). They each reviewed and rated all of the applications (except those of their own students), based primarily on the submitted conference abstract and the scientific achievements.

On behalf of SCNAT and SCS we hereby congratulate the winners and wish them a very successful conference participation.

We proudly present the winners of the «2017 Chemistry Travel Award»:



**Meret Aeppli**  
Group: Prof. Dr. Michael Sander  
Conference: Goldschmidt 2017  
Title: Assessing iron oxide reduction using mediated electrochemical analysis



**Alessandra Antonucci**  
Group: Prof. Dr. Ardemis A. Boghossian  
Conference: 231<sup>st</sup> ElectroChemical Society (ECS) Meeting  
Title: Interaction of single-walled carbon nanotubes (SWCNTs) with photosynthetic organisms



**Denitsa Baykusheva**  
Group: Prof. Dr. Hans Jakob Wörner  
Conference: The 6th International Conference on Attosecond Physics  
Title: Bi-elliptical high-harmonic spectroscopy as a probe of matter: from atomic orbitals to chiral molecules



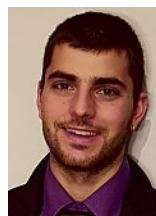
**Felix Bobbink**  
Group: Prof. Dr. Paul J. Dyson  
Conference: 255<sup>th</sup> ACS National Meeting & Exposition  
Title: Design of ionic polymer catalysts for the synthesis of carbonates from CO<sub>2</sub> and epoxides



**Jérémy Boilevin**  
Group: Prof. Dr. Jean-Louis Reymond  
Conference: Gordon Research Conference - Natural Products & Bioactive Compounds  
Title: Synthesis of lipid linked oligosaccharide substrates and inhibitors of a eukaryotic oligosaccharyl



**Silvan Boss**  
Group: Prof. Dr. Simon Ametamey  
Conference: 22<sup>nd</sup> International Symposium on Radiopharmaceutical Sciences  
Title: Radiosyntheses, *in vitro* and *in vivo* evaluation of 6S- and 6R-3'-aza-2'-[<sup>18</sup>F]fluoro-5-methyltetrahydrofolates for tumor imaging with PET



**Thomas Brandl**  
Group: Prof. Dr. Marcel Mayor  
Conference: 17<sup>th</sup> International Symposium on Novel Aromatics (ISNA 2017)  
Title: Chiral macrocyclic terpyridine complexes



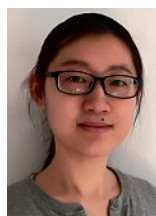
**Céline Calvino Carneiro**  
Group: Prof. Dr. Christoph Weder  
Conference: 254<sup>th</sup> American Chemical Society National Meeting & Exposition  
Title: Toward mechanochromic materials based on non-covalent interactions



**David Dailler**  
 Group: Prof. Dr. Olivier Baudoin  
 Conference: 18<sup>th</sup> Tetrahedron Symposium  
 Title: Development and applications of C(sp<sup>3</sup>)-H alkenylation



**Giacomo Marco Lari**  
 Group: Prof. Dr. Javier Pérez-Ramírez  
 Conference: 13<sup>th</sup> European Congress on Catalysis (EUROPACAT 2017)  
 Title: Hybrid palladium nanoparticles for direct H<sub>2</sub>O<sub>2</sub> synthesis: the key role of the ligand



**Jing Dou**  
 Group: Prof. Dr. Ulrich Krieger  
 Conference: 254<sup>th</sup> American Chemical Society National Meeting & Exposition  
 Title: Feedbacks between microphysics and photochemical aging in viscous aerosols



**Timothée Lathion**  
 Group: Prof. Dr. Claude Piguet  
 Conference: International Symposium on Macrocyclic and Supramolecular Chemistry (ISMSC)  
 Title: Iron(II) spin crossover in heterodinuclear helicates: a comparison with their mononuclear analogues



**Christian Fischer**  
 Group: Prof. Dr. Christof Sparr  
 Conference: GRC – Artificial Molecular Switches & Motors  
 Title: Direct transformation of esters into heterocyclic compounds: synthesis of fluorescent dyes



**Giuseppe Licari**  
 Group: Prof. Dr. Eric Vauthey  
 Conference: Gordon Research Conference - Dynamics at Surfaces  
 Title: Fluorescent dyes as surface second harmonic generation probes of biomimetic interfaces



**Paul Gratia**  
 Group: Prof. Dr. Mohammad Khaja Nazeeruddin  
 Conference: Perovskite Solar Cells and Optoelectronics (PSCO-2017)  
 Title: Evolution of the chemical composition and structure of double/triple cation lead halide perovskites upon crystallization



**Tzu-En Lin**  
 Group: Prof. Dr. Hubert Girault  
 Conference: 231<sup>st</sup> ECS MEETING  
 Title: Soft probe scanning electrochemical microscopy with spider array for visualizing biomarkers and redox active proteins in animal tissues



**Sophie Haberland**  
 Group: Prof. Dr. François Diederich  
 Conference: International Symposium on Novel Aromatic Compounds  
 Title: Enhancement of push-pull properties of Pentafulvene and -fulvalene derivatives by protonation at carbon



**Achim Link**  
 Group: Prof. Dr. Christof Sparr  
 Conference: International Symposium on Novel Aromatic Compounds  
 Title: Direct ester to arene transformation with 1,5-bifunctional organomagnesium reagents



**Marc Heitz**  
 Group: Prof. Dr. Jean-Louis Reymond  
 Conference: The 14th US-Japan Symposium on Drug Delivery Systems Conference  
 Title: Peptide dendrimer as SiRNA transfection reagent



**Dominik Lotter**  
 Group: Prof. Dr. Christof Sparr  
 Conference: 20<sup>th</sup> European Symposium on Organic Chemistry (ESOC 2017)  
 Title: Stereoselective arene-forming aldol condensation: synthesis of configurationally stable oligo-1,2-naphthylenes



**Deborah Huber**  
 Group: Prof. Dr. Govind Kaigala  
 Conference: International Conference on Micro & Nano Engineering  
 Title: Rapid micro fluorescence *in situ* hybridization for chromosomal interrogation of tissues

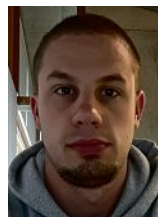


**Martin Magg**  
 Group: Prof. Dr. Thomas Bürgi  
 Conference: NT17  
 Title: Characterization of single walled carbon nanotube enantiomers by Raman optical activity



**Anaïs Mairena**

Group: Prof. Dr. Karl-Heinz Ernst  
 Conference: cd 2017: 16<sup>th</sup> International Conference on Chiroptical Spectroscopy 2017  
 Title: Chiral recognition among helical non-planar aromatic hydrocarbons on metal surfaces



**Cyril Piemontesi**

Group: Prof. Dr. Jieping Zhu  
 Conference: 18<sup>th</sup> Tetrahedron Symposium: New Developments in Organic Chemistry  
 Title: Enantioselective total synthesis of (+)-peganumine A



**Tigran Margossian**

Group: Prof. Dr. Christophe Copéret  
 Conference: NAM 25 Catalysis  
 Title: Nickel(II) formate: a practical precursor for the synthesis of supported Ni nanoparticles with improved catalytic dry reforming performances



**Jonny Proppe**

Group: Prof. Dr. Markus Reiher  
 Conference: 11<sup>th</sup> Triennial Congress of the World Association of Theoretical and Computational Chemists  
 Title: Statistical calibration of parametric property models



**Alex Müller**

Group: Prof. Dr. Gisbert Schneider  
 Conference: 254<sup>th</sup> ACS National Meeting Washington DC  
 Title: Morphing of antimicrobial peptides towards selective antibiotic agents



**Ydna Questell-Santiago**

Group: Prof. Dr. Jeremy Luterbacher  
 Conference: 2017 AIChE Annual Meeting  
 Title: Stabilization of carbohydrates with formaldehyde during integrated biomass depolymerization



**Olga Nazarenko**

Group: Prof. Dr. Maksym Kovalenko  
 Conference: PSCO2017 (Perovskite Solar Cells and Optoelectronics)  
 Title: Single crystals of caesium formamidinium lead halide perovskites: solution growth and gamma dosimetry



**Omar Rifaie Graham**

Group: Prof. Dr. Nico Bruns  
 Conference: 254<sup>th</sup> American Chemical Society National Meeting & Exposition  
 Title: Marine glow biomimicry by nucleobase-containing shear responsive polymersome nanoreactors



**Laura Neumann**

Group: Prof. Dr. Christoph Weder  
 Conference: 254<sup>th</sup> American Chemical Society National Meeting & Exposition  
 Title: Mechanically unravelling metallosupramolecular polymers



**Simon Rössler**

Group: Prof. Dr. Erick Carreira  
 Conference: 18<sup>th</sup> Tetrahedron Symposium  
 Title: Mechanistic insight into iridium-(phosphoramidite,olefin)-catalyzed enantioselective allylic substitution



**David Laurent Niquille**

Group: Prof. Dr. Donald Hilvert  
 Conference: Benzon Symposium 63: New paradigms of protein engineering - application in modern medicine  
 Title: Nonribosomal biosynthesis of backbone-modified peptides



**Lena Schinkel**

Group: Prof. Dr. Christian Bogdal  
 Conference: DIOXIN 2017  
 Title: The CP/CO problem: Three methods to resolve severe mass interferences of chlorinated paraffins (CPs) and chlorinated olefins (COs)



**Alberto Osuna Galvez**

Group: Prof. Dr. Jeffrey W. Bode  
 Conference: 21<sup>st</sup> Annual Green Chemistry and Engineering Conference  
 Title: Acylation of primary amines and amides with potassium acyl trifluoroborates (KATs)

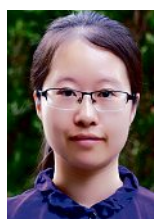


**Feng Shao**

Group: Prof. Dr. Renato Zenobi  
 Conference: 9<sup>th</sup> International Conference on Advanced Vibrational Spectroscopy  
 Title: Nanoscale chemical imaging of interfacial monolayers by tip-enhanced Raman spectroscopy



**Manish Sharma**  
Group: Prof. Dr. Hans Hagemann  
Conference: EMN Meeting on Energy Storage  
Title: Theoretical study of halogenated  $B_{12}H_{12}^{2-}$



**Jingying Zhai**  
Group: Prof. Dr. Eric Bakker  
Conference: Mátrafüred 2017 International Conference on Electrochemical Sensors  
Title: Paper based flow titration for low concentration of lead ions



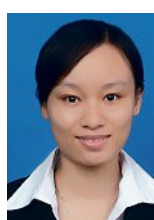
**Maria Tsemperouli**  
Group: Prof. Dr. Kaori Sugihara  
Conference: Biophysical Society 62<sup>nd</sup> Annual Meeting  
Title: Optical and electrical characterization of voltage sensitive dyes in lipid bilayers



**Ke-Feng Zhang**  
Group: Prof. Dr. Olivier Baudoin  
Conference: 18<sup>th</sup> Tetrahedron Symposium  
Title: Terminal-selective functionalization of alkyl chains by regioconvergent cross-coupling



**Nadia Vertti Quintero**  
Group: Prof. Dr. Andrew deMello  
Conference: Flow17  
Title: Microfluidic platform for the study and characterization of dynamic and stochastic expression of heat shock proteins on *C. elegans*



**Liqing Zheng**  
Group: Prof. Dr. Renato Zenobi  
Conference: The sixth International Conference on Tip-Enhanced Raman Spectroscopy (TERS-6)  
Title: Study of photoisomerization of an azobenzene-thiol self-assembled monolayer by tip-enhanced Raman spectroscopy



**Yuliia Vyborna**  
Group: Prof. Dr. Robert Häner  
Conference: GRC: Self-Assembly and Supramolecular Chemistry  
Title: Introducing supramolecular polymers to DNA nanotechnology



**Guido Zichittella**  
Group: Prof. Dr. Javier Pérez-Ramírez  
Conference: EUROPACAT 2017  
Title: Catalyst design for selective natural gas functionalization via oxyhalogenation chemistry



**Jörn Werdecker**  
Group: Prof. Dr. Rainer Beck  
Conference: International Symposium on Molecular Beams 2017  
Title: Observation of vibrational energy redistribution in a gas-surface encounter: state-to-state scattering of  $CH_4$  from Ni(111)

Additional information about the «Platform Chemistry» and its activities may be found at [chemistry.scnat.ch](http://chemistry.scnat.ch)  
Do not miss the «2018 Chemistry Travel Award», which will be announced early in 2018 on [chemistry.scnat.ch/travel\\_award](http://chemistry.scnat.ch/travel_award) and in *Chimia*.

