

sc | nat Chemistry  
Platform of the Swiss Academy of Sciences**2016 Chemistry Travel Award by SCNAT, SCS and SSFC**

Leo Merz\*

\*Correspondence: Dr. L. Merz, Swiss Academy of Sciences (SCNAT), Platform Chemistry, Laupenstrasse 7, CH-3008 Bern, E-mail: chemistry@scnat.ch

The «Platform Chemistry» of the Swiss Academy of Sciences (SCNAT) together with the Swiss Chemical Society (SCS), and the Swiss Society for Food Chemistry (SSFC) announced the «2016 Chemistry Travel Award». This program aims to support excellent PhD students in chemical sciences through 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 representatives of the three organisers and who are working in diverse fields of chemistry: Prof. Dr. Christian Bochet (SCS, University of Fribourg), Dr. Thomas Gude (SSFC, 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 their own students'), based primarily on the submitted conference abstract and the scientific achievements.

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

We proudly present the winners of the «2016 Chemistry Travel Award»:

**Davide Albani**

Group: Prof. Dr. Javier Pérez-Ramírez  
Conference: 11<sup>th</sup> International Congress on Catalysis and Fine Chemicals (CAFC-11)  
Title: 'Structuring hybrid Pd-HHDMA catalyst for superior selective hydrogenation performance'

**Lucille Babel**

Group: Prof. Dr. Claude Piguet  
Conference: 42<sup>nd</sup> International Conference on Coordination Chemistry  
Title: 'A deeper insight into allosteric cooperativity factors'

**Ani Baghdasaryan**

Group: Prof. Dr. Thomas Bürgi  
Conference: ISSPIC XVIII – International Symposium on Small Particles and Inorganic Clusters  
Title: 'Fast synthesis and characterization of subnanometer-sized thiolated copper clusters'

**Karine Baudet**

Group: Prof. Dr. Claude Piguet  
Conference: 42<sup>nd</sup> edition of the International Conference on Coordination Chemistry (ICCC42)  
Title: 'A Novel Thermodynamic Analysis of Intermolecular Association Processes'

**Sebastian Benz**

Group: Prof. Dr. Stefan Matile  
Conference: 27<sup>th</sup> International Symposium on Organic Chemistry of Sulfur  
Title: 'From Sulfur Redox Switches for Anion- $\pi$  Catalysis to Chalcogen Bonds'

**Vasco Bolis**

Group: Prof. Dr. Konrad Hungerbühler  
Conference: 26<sup>th</sup> European Symposium on Computer Aided Process Engineering (ESCAPE 26)  
Title: 'Optimal Design of Industrial Waste-to-Energy Networks'

**Alexander Bork**

Group: Prof. Dr. Jennifer Rupp  
Conference: Nonstoichiometric Compounds VI  
Title: 'Two-step thermochemical solar-to-fuel efficiency computation of strontium and chromium doped lanthanum manganite perovskite oxides using CALPHAD'

**Lukas Bregy**

Group: Prof. Dr. Renato Zenobi  
Conference: 21<sup>th</sup> International Mass Spectrometry Conference (IMSC 2016)  
Title: 'Real time SESI-MS analysis of exhaled breath identifies altered metabolic signature in chronic obstructive pulmonary disease'



**Elena-Diana Burghilea**

Group: Prof. Dr. Carlotta Guiducci  
Conference: The 20<sup>th</sup> International Conference on Miniaturized Systems for Chemistry and Life Sciences

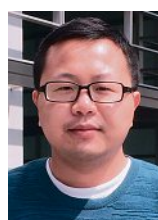
Title: 'Small-drug quantification from whole-blood within paper-based microstructures for Point-of-Care Therapeutic Drug Monitoring'



**Teresa Delgado Pérez**

Group: Prof. Dr. Andreas Hauser and Dr. Céline Besnard  
Conference: Applied Nanotechnology and Nanoscience International Conference

Title: 'Structural Investigation of the HSto LS Relaxation Dynamics on the Porous Coordination Network [Fe(pz)Pt(CN)<sub>4</sub>]



**Yun Ding**

Group: Prof. Dr. Andrew deMello  
Conference: 2016 International Conference of Microfluidics, Nanofluidics and Lab-on-a-Chip

Title: 'A highly efficient droplet-based microfluidic strategy for next-generation sequencing in single cell level'



**Adriana Edenharter**

Group: Prof. Dr. Karl-Heinz Altmann  
Conference: 21<sup>st</sup> International Conference on Organic Synthesis (ICOS-21)

Title: 'Total synthesis of leiodolide A'



**Lucas Foppa**

Group: Dr. Aleix Comas-Vives and Prof. Dr. Christophe Copéret  
Conference: Gordon Research Conference 'Catalysis – From Theory to Commercialization'

Title: 'Dry reforming and competitive reactions on Ni, Pd and Pt metal surfaces from DFT calculations and microkinetic modeling simulations'



**Angelo Frei**

Group: Prof. Dr. Roger Alberto  
Conference: 8<sup>th</sup> Asian Biological Inorganic Chemistry Conference

Title: 'Multifunctional Cp-Ligands, a New Versatile Toolbox for the Development of Theranostic Agents'



**Agni Gavriilidou**

Group: Prof. Dr. Zenobi Renato  
Conference: 21<sup>st</sup> International Mass Spectrometry Conference

Title: 'Studying non-covalent interactions with nano ESI-MS: An insight into the allosteric mechanism of M2 pyruvate kinase isoform (PKM2)'



**Christoph Geers**

Group: Prof. Dr. Alke Fink  
Conference: 11<sup>th</sup> International Conference on the Scientific and Clinical Applications of Magnetic Carriers

Title: 'An abstract approach to quantify the heating power of magnetic nanoparticles'



**Minglong He**

Group: Prof. Dr. Petr Novák  
Conference: 67<sup>th</sup> Annual Meeting of the International Society of Electrochemistry

Title: 'Ageing Phenomena in High-voltage Aqueous Supercapacitors Investigated by In Situ Gas Analysis'



**Tamara Husch**

Group: Prof. Dr. Markus Reiher  
Conference: Molecular Quantum Mechanics

Title: 'Assessment of semiempirical methods for transition metal complexes'



**Patrick Isenegger**

Group: Prof. Dr. Andreas Pfaltz  
Conference: Gordon Research Conference on Stereochemistry

Title: 'Asymmetric Morita-Baylis-Hillman Reaction: Catalyst Development and Mechanistic Insights'



**Ugo Jacovella**

Group: Prof. Dr. Frédéric Merkt  
Conference: International Symposium on Molecular Spectroscopy

Title: 'Infrared spectroscopy of ions in selected rotational and spin-orbit states'



**Xavier Jeanbourquin**

Group: Prof. Dr. Kevin Sivula  
Conference: 253<sup>rd</sup> ACS National Meeting & Exposition

Title: 'Aliphatically-linked conjugated small molecules for crystal structure engineering and stability enhancement in organic solar cells'



**Evelyne Joliat**

Group: Prof. Dr. Roger Alberto  
Conference: International Conference on Coordination Chemistry (ICCC) 2016

Title: 'Cobalt Complexes Based on Bipyridine Macrocycles: Properties and Photocatalytic Proton Reduction'



**Sarah Keller**

Group: Prof. Dr. C. E. Housecroft and Prof. Dr. E. C. Constable  
 Conference: 99<sup>th</sup> Canadian Chemistry Conference and Exhibition  
 Title: 'Heteroleptic light-emitting copper(I) complexes with applications in light-emitting electrochemical cells (LECs)'



**Laura Piveteau**

Group: Prof. Dr. Maksym V. Kovalenko  
 Conference: Gordon Research Conference on Colloidal Semiconductor Nanocrystals  
 Title: 'Atomistic Description of Colloidal Semiconductor Nanocrystals using Dynamic Nuclear Polarization NMR Spectroscopy'



**Rajesh Koirala**

Group: Prof. Dr. Sotiris E. Pratsinis  
 Conference: The 16<sup>th</sup> International Congress on Catalysis (ICC-16)  
 Title: 'Flame-made Single and Mixed Oxides Supported Cobalt Catalysts for Oxidative Dehydrogenation of Ethane'



**Robert Pollice**

Group: Prof. Dr. Peter Chen  
 Conference: 15<sup>th</sup> Belgian Organic Synthesis Symposium (BOSS XV)  
 Title: 'Expansion of the Concept of Nonlinear Effects in Catalytic Reactions beyond Asymmetric Catalysis'



**Mario Francesco Mirabelli**

Group: Prof. Dr. Renato Zenobi  
 Conference: International Mass Spectrometry Conference (IMSC 2016)  
 Title: 'Observing proton transfer reactions inside the MALDI plume: experimental and theoretical insight into MALDI gas-phase processes'



**Lucas Prieto Gonzalez-Posada**

Group: PD. Dr. Felix Zelder  
 Conference: 8<sup>th</sup> Asian Biological Inorganic Chemistry Conference (AsBIC8)  
 Title: 'A Reversible Route for the Selective Scission and Full Repair of the Corrin Macrocycle in Vitamin B12'



**Laëtitia Misson**

Group: Prof. Dr. Florian P. Seebeck  
 Conference: 8<sup>th</sup> International Congress on Biocatalysis (biocat2016)  
 Title: 'Identification of a new family of aromatic amino acid betaine synthases'



**Peter Ribar**

Group: Dr. Michal Juríček and Prof. Dr. Marcel Mayor  
 Conference: The 15<sup>th</sup> International Conference on Molecule-Based Magnets (ICMM 2016) and Workshop for Young Investigators on Functional Molecular Materials and Molecular Related Magnetism (Rising Star Preconference)  
 Title: 'Synthesis of persistent derivative of open-shell graphene fragment triangulene'



**Christophe Monnier**

Group: Prof. Dr. Alke Petri-Fink  
 Conference: 11<sup>th</sup> International Conference on the Scientific and Clinical Applications of Magnetic Carriers  
 Title: 'Lock-in thermography: Using heat as an indicator for stability, quantity and distribution of magnetic nanoparticles in biological systems'



**Laura Rodriguez Garcia**

Group: Prof. Dr. Konrad Hungerbühler  
 Conference: 16<sup>th</sup> International Congress on Catalysis  
 Title: 'Discrimination of active species in liquid-phase hydrogenation on supported noble metal catalyst by operando spectroscopy'



**Julia Nomrowski**

Group: Prof. Dr. Oliver S. Wenger  
 Conference: 25. Lecture Conference on Photochemistry  
 Title: 'Photoinduced electron accumulation in a molecular triad'



**Sebastian Schmidt**

Group: Prof. Dr. Sébastien Sallard  
 Conference: 67<sup>th</sup> Annual Meeting of the International Society of Electrochemistry  
 Title: 'Lithium Iron Methylene Diphosphonate, an Organic-Inorganic Hybrid Material for Positive and Negative Li-ion Battery Electrodes'



**Vladimir Paunović**

Group: Prof. Dr. Javier Pérez-Ramírez  
 Conference: 16<sup>th</sup> International Congress on Catalysis  
 Title: 'Catalyst design for HBr-mediated natural gas upgrading via combined heterogeneous-homogeneous pathways'



**Elia Schneider**

Group: Prof. Dr. Wendelin J. Stark  
 Conference: AIChE 2016  
 Title: 'Click and release: fluoride cleavable linker for mild bioorthogonal separation on magnetic nanoparticles'



**Evgeny Smirnov**  
 Group: Prof. Dr. Hubert Girault  
 Conference: 67<sup>th</sup> Annual Meeting of the International Society of Electrochemistry  
 Title: 'Electron Transfer Reaction at Liquid-Liquid Interfaces: What is the Correct Mechanism?'



**Michael Sokolov**  
 Group: Prof. Dr. Massimo Morbidelli  
 Conference: European Symposium on Biochemical Engineering Sciences  
 Title: 1) 'Robust factor selection in biosimilar mAb process development using high throughput experiments and multivariate data analysis'  
 2) 'Dynamic product quality prediction at multiple scales in the process development for mAbs'



**Alessia Stornetta**  
 Group: Prof. Dr. Shana J. Sturla  
 Conference: 64<sup>th</sup> ASMS Conference on Mass Spectrometry and Allied Topics  
 Title: 'High-Resolution/Accurate-Mass LC-MS3 Screening and SRM Relative Quantitation of DNA Adducts as Biomarkers of Drug Susceptibility'



**Peter Tiefenböck**  
 Group: Prof. Dr. Jean-Christophe Leroux  
 Conference: Globalization of Pharmaceuticals Education Network (GPEN 2016)  
 Title: 'A novel cell engineering platform based on microinjection of enzyme-loaded liposomes'



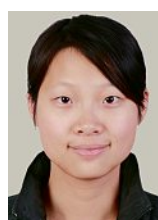
**Alexander Zech**  
 Group: Prof. Dr. Tomasz A. Wesolowski  
 Conference: The Ninth Congress of the International Society for Theoretical Chemical Physics (ISTCP IX)  
 Title: FDE-ADC: Multiscale density embedding with an accurate wavefunction method.



**Guido Zeegers**  
 Group: Prof. Dr. Renato Zenobi  
 Conference: 21<sup>st</sup> International Mass Spectrometry Conference (IMSC 2016)  
 Title: 'Evidence for laser-induced redox-reactions between added trifluoroacetate salts and substrate material during polystyrene/DCTB matrix-assisted laser desorption/ionization'



**Susann Zelger-Paulus**  
 Group: Prof. Dr. Roland Sigel  
 Conference: RNA structure meets function, EMBO workshop  
 Title: 'Single-molecule FRET study of an encapsulated group II intron'



**Bei Zhang**  
 Group: Prof. Dr. Thomas Bürgi  
 Conference: 18<sup>th</sup> International Symposium on Small Particles and Inorganic Clusters (ISSPIC XVIII)  
 Title: 'Ag doped Au<sub>38</sub>(SC<sub>2</sub>H<sub>4</sub>Ph)<sub>24</sub> nanocluster: metal migration and chiroptical properties'



**Vitalijs Zubkovs**  
 Group: Prof. Dr. Ardemis Boghossian  
 Conference: 229<sup>th</sup> Electrochemical Society Meeting  
 Title: 'Engineering Smart Wrappings for Next Generation Single-Walled Carbon Nanotube (SWCNT) Sensors'



**Michael Zumstein**  
 Group: Dr. Michael Sander  
 Conference: GRC: Environmental Sciences: Water  
 Title: 'Enzymatic and Microbial Degradation of Polyesters in Soils'

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

Do not miss the «2017 Chemistry Travel Award», which will be announced early in 2017 on [chemistry.scnat.ch/travel\\_award](http://chemistry.scnat.ch/travel_award) and in CHIMIA.

