

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

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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: 11th 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: 42nd 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: 42nd 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: 27th International Symposium on Organic Chemistry of Sulfur
Title: 'From Sulfur Redox Switches for Anion- π Catalysis to Chalcogen Bonds'

**Vasco Bolis**

Group: Prof. Dr. Konrad Hungerbühler
Conference: 26th 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: 21th International Mass Spectrometry Conference (IMSC 2016)
Title: 'Real time SESI-MS analysis of exhaled breath identifies altered metabolic signature in chronic obstructive pulmonary disease'



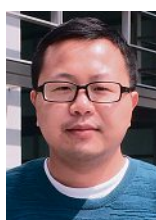
Elena-Diana Burghilea

Group: Prof. Dr. Carlotta Guiducci
 Conference: The 20th 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)₄]



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: 21st 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: 8th 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: 21st 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: 11th 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: 67th 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: 253rd 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: 99th 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 16th 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: 15th 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: 8th 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: 8th 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 15th 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: 11th 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: 16th 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: 67th 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: 16th 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: 67th 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: 64th 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'



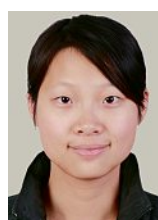
Alexander Zech
 Group: Prof. Dr. Tomasz A. Wesolowski
 Conference: The Ninth Congress of the International Society for Theoretical Chemical Physics (ISTCP IX)
 Title: FDE-ADC: Multiscale density embedding with an accurate wavefunction method.



Guido Zeegers
 Group: Prof. Dr. Renato Zenobi
 Conference: 21st 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: 18th International Symposium on Small Particles and Inorganic Clusters (ISSPIC XVIII)
 Title: 'Ag doped Au₃₈(SC₂H₄Ph)₂₄ nanocluster: metal migration and chiroptical properties'



Vitalijs Zubkova
 Group: Prof. Dr. Ardemis Boghossian
 Conference: 229th 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

Do not miss the «2017 Chemistry Travel Award», which will be announced early in 2017 on chemistry.scnat.ch/travel_award and in CHIMIA.

