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Chemistry

Platform of the Swiss Academy of Sciences

## 2010 SCNAT/SCS Chemistry Travel Award

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At the beginning of the year the «Platform Chemistry» of the Swiss Academy of Sciences (SCNAT) and the Swiss Chemical Society (SCS) jointly announced for the first time the «SCNAT/SCS Chemistry Travel Awards», which supports the active participation of PhD students at international conferences. Almost 80 applications were received and the award committee (Prof. Dr. Karl Gademann, University of Basel; Prof. Dr. Katharina Fromm, University of Fribourg; Prof. Dr. Frédéric Merkt, ETH Zurich; Prof. Dr. Gérald Hopfgartner, University of Geneva) was very impressed by the high scientific level of the applications. The successful applicants were selected mainly based on scientific merit and in a second round based on additional criteria such as advancement of studies, past allocation of grants and distribution of research areas. The winners of the «2010 SCNAT/SCS Chemistry Travel Award» are:

**Flavia Badoud**

Jean-Luc Veuthey / Martial Saugy,  
University of Geneva  
‘Quantification and Profiling of Endogenous Steroids by UHPLC-QTOF/MS’  
HPLC 2010, Boston USA

**Vimalkumar Balasubramanian**

Cornelia Palivan, University of Basel  
‘Polymeric Nanoreactors:  
A New Way to Improve Antioxidant Therapy’  
TNT 2010, Braga P

**Nicolas Barry**

Bruno Therrien, University of Neuchâtel  
‘Arene-Ruthenium Metalla-Prisms:  
New Drug Delivery Vectors’  
ISBOMC’10, Bochum D

**Tobias Bauert**

Karl-Heinz Ernst, Empa Dübendorf / Jay Siegel,  
University of Zurich  
‘Building 2D Crystals from Fivefold-symmetric Molecules’  
DPG-Frühjahrstagung, Regensburg D

**Leonardo Bertone**

Stefan Matile, University of Geneva  
‘Panchromatic Supramolecular n/p-Hetero-junction Photosystems with Antiparallel Redox Gradients: Focus on Zipper Assembly with Oligothiophenes’  
3<sup>rd</sup> EuCheMS Chemistry Congress, Nürnberg D

**Idalia Bilecka**

Markus Niederberger, ETH Zurich  
‘Microwave Chemistry: A Step Toward Predictable Nanoparticles Synthesis’  
MRS Spring Meeting, San Francisco USA

**Jonathan Brand**

Jerome Waser, EPF Lausanne  
‘Gold Catalyzed Direct Alkynylation of Heterocycles’  
FACS XIII, Obernai F

**Fabian Buller**

Dario Neri, ETH Zurich  
‘Small-Molecule Ligand Discovery by High-Throughput Sequencing’  
Keystone Symposium on Small Molecule Drug Discovery, Whistler CAN

**Daniel Can**

Roger Alberto, University of Zurich  
‘[CpTc(CO)<sub>3</sub>] Replacing Phenyl Rings in Bioactive Substances – a General Approach Towards New Radiopharmaceuticals’  
Terachem 2010, Bressanone (Bolzano) I

**Nikola Castillo**

Cesar Pulgarin, EPF Lausanne  
‘BiVO<sub>4</sub>: A Successful Third Generation Photocatalyst or the Weakness of Narrow Bandgap Semiconductors?’  
SP3, Glasgow UK

**Aurélien Crochet**

Katharina Fromm, University of Fribourg  
‘Lithium Metal Aryloxide Cluster: Starting Products for Oxide Materials’  
3<sup>rd</sup> SPSSM, Stuttgart 2010

**Nadiya Danilina**

Jeroen A. van Bokhoven, ETH Zurich  
‘Aluminum-zoning in ZSM-5 Crystals: Its Origin and Characterization’  
IZC-IMMS 2010, Sorrento I

**Marco Furlan**

Massimo Morbidelli, ETH Zurich  
‘Structural Control of Porous Polymeric Materials through Magnetic Gelation’  
Colloids Symposium 2010, Akron USA



**Tobias Hoheisel**  
Holger Frauenrath, EPF Lausanne  
'Carbon-rich Nanostructures from Molecular Precursors'  
MRS Fall Meeting 2010, Boston USA



**Matthias Huber**  
Beat H. Meier, ETH Zurich  
'Proton-Detected Non-Uniformly-Sampled 4D DREAM for Solid-State NMR Protein Structure Determination'  
WWMR2010, Florence I



**Guillaume Journot**  
Reinhard Neier, University of Neuchâtel  
'Catalytic Hydrogenation of Calix[4]pyrrole: Toward a Novel Ligand Featuring Interesting Properties'  
BOSS XII, Namur B



**Ajoy Kapat**  
Philippe Renaud, University of Bern  
'Intramolecular Schmidt Reaction Involving Primary Azidoalcohols under Nonacidic Conditions'  
EUCHEM Conference on Organic Free Radicals, Bologna I



**Marzena Kocik**  
Catherine Housecroft / Edwin Constable, University of Basel  
'Gold(I) Phosphine Derivatives of 4,4'-Dialkynyl Substituted 2,2'-Bipyridine and 4'-Ethynyl-2,2':6',2''-terpyridine'  
ISMSC2010, Nara Prefecture Japan



**Jean-Baptiste Langlois**  
Alexandre Alexakis, University of Geneva  
'Dynamic Kinetic Asymmetric Transformation in Copper-catalyzed Allylic Alkylation'  
BOSS XII, Namur B



**Marco Lista**  
Stefan Matile, University of Geneva  
'Tuning the Surface-Initiated Polymerization of Artificial Photosystems at the Molecular Level'  
3<sup>rd</sup> EuCheMS Chemistry Congress, Nürnberg D



**Stefanie Mädler**  
Renato Zenobi, ETH Zurich  
'Investigations on the Application Range of Chemical Cross-linking with NHS Esters for the Analysis of Noncovalent Complexes with MALDI-MS'  
58<sup>th</sup> ASMS, Salt Lake City USA



**Redouan Mahou**  
Christine Wandrey, EPF Lausanne  
'Novel Alginate-poly(ethylene glycol) Hybrid Microspheres'  
PACIFICHEM 2010, Honolulu USA



**Audrey Mercier**  
E. Peter Kündig, University of Geneva  
'Efficient Catalytic Asymmetric Entry to Planar Chiral Complexes'  
3<sup>rd</sup> EuCheMS Chemistry Congress, Nürnberg D



**René Oetterli**  
Felix Zelder, University of Zurich  
'One-pot Synthesis of the Metal-free AD and BC Fragments of Vitamin B12'  
3<sup>rd</sup> EuCheMS Chemistry Congress, Nürnberg D



**Guillaume Povie**  
Philippe Renaud, University of Bern  
'Catechols as Reducing Agents in Radical Chain Reactions: The Reduction of Alkyl Iodides'  
EUCHEM Conference on Organic Free Radicals, Bologna I



**Raphael Reuter**  
Hermann Wegner, University of Basel  
'Switching in 3D-Cyclotrisazobenzenes'  
9<sup>th</sup> International Symposium on Functional  $\pi$ -Electron Systems, Atlanta USA



**Sébastien Rochat**  
Kay Severin, EPF Lausanne  
'Fluorescence Sensors for Lithium Ions in Water and Serum'  
3<sup>rd</sup> EuCheMS Chemistry Congress, Nürnberg D



**Joachim Schnabl**  
Roland Sigel, University of Zurich  
'A Supramolecular Iron(II) Helicate Induces an RNA Three-way Junction'  
10<sup>th</sup> European Biological Inorganic Chemistry Conference, Thessaloniki GR



**Catherine Schütz**  
Christine Wandrey, EPF Lausanne  
'Chitosan-based Nanogel Delivery Systems: Characterization and Toxicological Evaluation'  
MACRO2010, Glasgow UK



**Sergey Semenov**  
Heinz Berke, University of Zurich  
'Electron Transfer in Tungsten Acetylides, Cumulenes and Carbynes'  
GRC EDAI, Newport USA



**Ankit Sharma**  
Jérôme Lacour, University of Geneva  
'Tröger Base: New Approaches towards Novel Configurationally Stable Derivatives'  
BOSS XII, Namur B



**Jagdeep Singh**  
 Jeroen van Bokhoven, ETH Zurich  
 'Dynamic Structure of Supported Platinum Catalysts during Oxidation of CO: Kinetic Oscillations and Structural Changes within a Single Reactor'  
 Gordon Research Conferences Catalysis, New London USA



**Johannes Stadler**  
 Renato Zenobi, ETH Zurich  
 'Full Spectroscopic Mapping by Tip-Enhanced Raman Scattering in a Gap-Mode Configuration'  
 Near-Field Optics Conference 2010, Beijing China



**Stephan Steinmann**  
 Clemence Corminboeuf, EPF Lausanne  
 'A System-Dependent Density-Based Empirical Dispersion Correction'  
 IX Girona Seminar, Girona E



**Nicolas Uhlich**  
 Jean-Louis Reymond, University of Bern  
 'Convergent Synthesis of Peptide Dendrimers by Chloroacetyl Ligation'  
 31<sup>st</sup> European Peptide Symposium, Copenhagen DK



**Kitty van Gruijthuijsen**  
 Anna Stradner / Peter Schurtenberger, University of Fribourg  
 'Depletion Interactions in Charged, Aqueous Colloid/Polymer Mixtures'  
 International Soft Matter Conference (ISMC), Granada ES



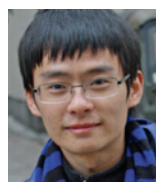
**Michel Wagner**  
 Gérard Hopfgartner, University of Geneva  
 'On-line SPE-LC-MS/MS Method Development and Validation for the Quantitation of Oxycodone and its Metabolites in Human Plasma'  
 57<sup>th</sup> ASMS, Philadelphia USA



**Rui Wang**  
 Renato Zenobi, ETH Zurich  
 'On the Ionization Mechanism of Extractive Electrospray Ionization (EESI)'  
 58<sup>th</sup> ASMS, Salt Lake City USA



**Alex Wiederkehr**  
 Frédéric Merkt, ETH Zurich  
 'A Molecular Zeeman Decelerator for the Generation of Cold Atomic and Molecular Samples'  
 ECAMP X, Salamanca E



**Ying Zhou**  
 Greta Patzke, University of Zurich  
 'In Situ Study of the Hydrothermal Formation Mechanism of Oxide Nanomaterials'  
 ICCG16 / ICVGE14, Beijing China

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