

Award Lectures Overview

- 09:55 **Stefan Abele, Jacques-Alexis Funel and Gunther Schmidt** from Actelion Pharmaceuticals Ltd, **Roger Marti**, Hochschule für Technik und Architektur Fribourg, **Christian Mössner, Mischa Schwaninger**, Swissi Process Safety, a member of TÜV SÜD Groupis, are awarded the Sandmeyer Award 2015 for the conception and successful scale-up of Diels–Alder reactions and organocatalysis leading to enantiomerically pure 5-phenylbicyclo[2.2.2]oct-5-en-2-one, a key intermediate for the production of an L/T calcium channel antagonist.



Stefan Abele will give the award lecture with the title «**Daring the Challenge and Thinking Big: the Value of Early Process Research**» [PS-001] ; Lecture hall CE 6.

- 10:25 **Michelangelo Scalone**, F. Hoffmann La Roche, is awarded the KGF-SCS Senior Industrial Science Award 2015 for his outstanding contributions to the design of new, short and cost-efficient syntheses for many development projects by applying asymmetric catalytic reactions, and for his longtime success and expertise in leading the Center of Excellence Catalysis at Roche.



«**The Importance of Catalysis in the Synthesis of Active Pharmaceutical Intermediates**» [PS-002] ; Lecture hall CE 6.

- 11:15 **Prof. Natalie Banerji**, University of Fribourg, is awarded the Grammaticakis-Neumann Award 2015 for her research combining synthesis, photochemistry, photophysics, and molecular photobiology to develop artificial photosynthesis.



«**Unraveling the Photophysical Properties of Organic Semiconductors**» [PC-011]; Lecture hall CE 4.

- 11:30 **Dietmar Hüglin**, BASF Schweiz AG, is awarded the KGF-SCS Industrial Science Award 2015 for his contribution in developing new ingredients for consumer product markets and specifically for the discovery, research & development of cosmetic UV absorbers combining chemistry with nano-technology. These innovations are setting currently the global standards in high performance photo-protection of human skin.



«**New UV Absorbers for the Photo-protection of Human Skin**» [PCI-012] ; Lecture hall BS 160.

- 17:15 **Jürg Zimmermann**, Novartis Pharma AG, is awarded the KGF-SCS Distinguished Industrial Science Award 2015 for the ground breaking discovery of protein kinase inhibitors, which had a tremendous impact on the research and therapy of cancer and other diseases. The discovery and development of Imatinib (Gleevec) has revolutionized the therapy of certain forms of leukemia, and also had a tremendous impact on research projects both in industry and academia.



«**Evolution in Medicinal Chemistry**» [PS-003] ; Lecture hall CE 6.

Plenary Sessions – CE 6



Chair: Prof. E. Peter Kündig

Session Endowment: EPFL, School of Basic Sciences

- 09:55 **Daring the Challenge and Thinking Big: the Value of Early Process Research (Sandmeyer Award Lecture 2015) [PS-001]**
Stefan Abele, Actelion Pharmaceuticals Ltd.
- 10:25 **The Importance of Catalysis in the Synthesis of Active Pharmaceutical Intermediates (KGF-SCS Senior Industrial Science Award Lecture 2015) [PS-002]**
Michelangelo Scalone, F. Hoffmann La Roche AG
- 17:15 **Evolution in Medicinal Chemistry (KGF-SCS Distinguished Industrial Science Award Lecture 2015) [PS-003]**
Jürg Zimmermann, Novartis Pharma AG

Abstract codes

[XY-001]...[XY-009]	Award lectures, plenary sessions
[XY-010]...[XY-019]	Morning session lectures
[XY-020]...[XY-029]	Afternoon session lectures
[XY-101]...[XY-199]	Posters

AS	Analytical Sciences
CC	Computational Chemistry
CE	Catalysis Sciences & Engineering
IC	Inorganic Chemistry
MC	Medicinal Chemistry & Chemical Biology
OC	Organic Chemistry
PC	Physical Chemistry
PCI	Polymers Colloids & Interfaces
PS	Plenary Session

Name (regular font) = Presenting Author

Name (italic font) = Research Leader

PARALLEL SESSIONS

Analytical Sciences [AS]

Morning Session – CE 5

Chair: Hanspeter Andres, METAS

No session endowment:

- 11:15 **MIR Spectroscopy beyond trace levels - environmental and industrial applications [AS-011]**
Lukas Emmenegger, EMPA Dübendorf
- 12:00 **Detection and identification of non-covalent interactions with SPRi-MALDI MS [AS-014]**
Ulrike Anders, *Renato Zenobi*, ETH Zurich
- 12:15 **Quick and easy NMR titration using slice-selective experiments to study concentration gradients in agarose gels [AS-015]**
Yavor Mitrev, *Damien Jeannerat*, University of Geneva
- 12:30 **High-speed, high-resolution, multi-elemental imaging of geological samples [AS-016]**
Marcel Burger, *Detlef Günther*, ETH Zurich

Afternoon Session – CE 5

Chair: Stefan Schürch, University of Bern

- 15:00 **Electromembrane extraction: a new technical development. [AS-021]**
Nicolas Drouin, *Julie Schappler*, University of Geneva
- 15:15 **Drug quantification in blood within microstructures for Point-of-Care Therapeutic Drug Monitoring [AS-022]**
Elena-Diana Burghilea, *Jean-Manuel Segura*, HES-SO Valais
- 15:30 **Thin Layer Ionophore-Based Membranes for Multianalyte Detection [AS-023]**
Maria Cuartero, University of Geneva
- 15:45 **Multistage Transversal Modulation Ion Mobility Spectrometry: Reducing the Voltage Required for High Resolution IMS for pre-existing mass spectrometers. [AS-024]**
Miriam Macia, SEADM S.L., *Guillermo Vidal-de-Miguel*, ETH Zurich
- 16:00 **Fourier optical beam shaping of femtosecond laser pulses for high resolution depth profile analyses by LA-ICPMS [AS-025]**
Debora Käser, *Detlef Günther*, ETH Zurich
- 16:15 **High resolution laser ablation depth-profiling mass spectrometry [AS-026]**
Andreas Riedo, *Peter Wurz*, University of Bern
- 16:30 **Single-walled Carbon Nanotubes (SWCNTs) for Bioanalyte Sensing [AS-027]**
Justyna Kupis-Rozmyslowicz, *Ardemis Anoush Boghossian*, EPF Lausanne
- 16:45 **Variable Q1 windows for MS acquisition and predicted LC retention time ranges for LC-SWATH-MS analysis [AS-028]**
Tobias Bruderer, *Gérard Hopfgartner*, University of Geneva

Computational Chemistry [CC]

Morning Session – CE 105

Chair: Tomasz Wesolowski, University of Geneva

No session endowment:

- 11:15 **Challenges of Electronic Structure Calculations: Hamiltonian Gadgets with Reduced Resource Requirements [CC-011]**
Sabre Kais, Qatar Environment and Energy Research Institute, Doha, Qatar
- 11:45 **Addressing the selection bias: Genetically optimized molecular data sets to train machine learning models of atomization enthalpies [CC-013]**
Nicholas Browning, *Ursula Röthlisberger*, EPF Lausanne
- 12:00 **Tunneling and Parity Violation in Trisulfane (HSSSH): An Almost Ideal Molecule for Detecting Parity Violation in Chiral Molecules [CC-014]**
Csaba Fabri, *Martin Quack*, ETH Zurich
- 12:15 **Molecular Dynamics with inter-system crossing and nonadiabatic effects [CC-015]**
Felipe Franco de Carvalho, EPF Lausanne/CECAM
- 12:30 **Local density fitting within a Gaussian and plane waves approach [CC-016]**
Dorothea Golze, *Jürg Hutter*, University of Zurich

Afternoon Session – CE 105

Chair: Jiri Vanicek, EPF Lausanne

- 15:00 **Interactive Similarity Maps for Visualization of High Dimensional Chemical Spaces [CC-021]**
Mahendra Awale, *Jean-Louis Reymond*, University of Bern
- 15:15 **Addressing the Rare Event Sampling problem with the PINS and SA-MC Methods : studying Structure and Dynamics of the Myoglobin protein [CC-022]**
Florent Hédin, *Markus Meuwly*, University of Basel
- 15:30 **Accelerating Quantum Instanton Calculations of Kinetic Isotope Effects [CC-023]**
Konstantin Karandashev, *Jiri Vanicek*, EPF Lausanne
- 15:45 **First principles based crystal structure prediction from alchemical coupling [CC-024]**
Alisa Solovyeva, University of Basel
- 16:00 **Beyond Static Structures: Putting Forth REMD as a Tool to Solve Problems in Computational Organic Chemistry [CC-025]**
Riccardo Petraglia, *Clemence Corminboeuf*, EPF Lausanne
- 16:15 **Interface effects in the case of dry reforming – CO₂ activation on Ni-supported γ -Al₂O₃ and Ni-nanoparticles vs ideal Ni(111) surface [CC-026]**
Marius-Christian Silaghi, *Christophe Copéret*, ETH Zurich
- 16:30 **Response time of quantum-chemical calculations during real-time reactivity explorations [CC-027]**
Alain C. Vaucher, *Markus Reiher*, ETH Zurich
- 16:45 **Orthogonality of embedded wave functions for different states in Frozen-Density Embedding Theory [CC-028]**
Alexander Zech, *Tomasz Adam Wesolowski*, University of Geneva

Catalysis Sciences & Engineering [CE]CLARIANT **Morning Session – CE 2**

Chair: Kevin Sivula, EPF Lausanne

Session Endowment: Clariant International Ltd

- 11:15 **Reversible Electrocatalysis by Enzymes of Relevance to Renewable Energy Conversions [CE-011]**
Fraser Armstrong, University of Oxford
- 11:45 **Earth-abundant Electrocatalysts for Solar Fuels Production [CE-013]**
Carlos G. Morales-Guio, *Xile Hu*, EPF Lausanne
- 12:00 **Halogen chemistry on rutile-type catalysts [CE-014]**
Maximilian Moser, *Javier Pérez-Ramírez*, ETH Zurich
- 12:15 **Intermediates in the Photochemical Dehydrogenation of Borane-Amines [CE-015]**
Muhammad Sohail, Qatar Environment & Energy Research Institute (QEERI)
- 12:30 **Challenges in photocatalytic water reduction with nickel containing polyoxometalates [CE-016]**
René Moré, *Greta Ricarda Patzke*, University of Zurich

Afternoon Session – CE 2

Chair: Javier Pérez-Ramírez, ETH Zurich

- 14:45 **Development of MTPROP[®] catalysts: Basis for the realisation of the Methanol-To-Propylene process [CE-020]**
Markus Tonigold, Clariant AG
- 15:15 **Synthetic Chemistry to Reduce CO₂ Emissions [CE-022]**
Matthew Kanan, Stanford University
- 15:45 **Incorporation of ruthenium catalytic centers in phosphine-functionalized metal-organic frameworks [CE-024]**
Flavien Lucas Morel, ETH Zurich, *Jeroen A. van Bokhoven*, ETH Zurich/PSI Villigen
- 16:00 **NMR Signatures of the Active Sites in Sn-β Zeolite [CE-025]**
Aleix Comas-Vives, *Christophe Copéret*, ETH Zurich
- 16:15 **Active and spectator Ce³⁺ species in a ceria-based platinum catalyst during low-temperature CO oxidation [CE-026]**
René Kopelent, *Olga V. Safonova*, Paul Scherrer Institute, Villigen
- 16:30 **Generation of NH₃-SCR active catalysts from decomposition of supported FeVO₄ [CE-027]**
Adrian Marberger, Paul Scherrer Institut, *Oliver Kröcher*, Paul Scherrer Institute, Villigen and EPF Lausanne
- 16:45 **Direct conversion of cellulose into HMF [CE-028]**
Sviatlana Siankevich, *Paul Dyson*, EPF Lausanne

Inorganic & Coordination Chemistry [IC]**Morning Session – CE 3**

Chair: Kay Severin, EPF Lausanne



Session Endowment: Contact Group for Research Matters (KGF)

- 11:15 **The Magic of Polypnictogen-based Chemistry [IC-011]**
Manfred Scheer, Universität Regensburg
- 12:00 **Chemoselective Alkene Hydrosilylation Catalyzed by Nickel Pincer Complexes [IC-014]**
Ivan Buslov, *Xile Hu*, EPF Lausanne
- 12:15 **Chiral (NH)₂P₂ Macrocyclic Iron(II) Complexes: Design and Application in the Highly Enantioselective Transfer Hydrogenation of Ketones [IC-015]**
Raphael Bigler, *Antonio Mezzetti*, ETH Zurich
- 12:30 **Cobalt Complexes of Tetradentate, Bipyridine-Based Macrocycles for Highly Active Hydrogen Evolution in Aqueous Photocatalysis [IC-016]**
Evelyne Joliat, *Roger Alberto*, University of Zurich

Afternoon Session – CE 3

Chair: Marinella Mazzanti, EPF Lausanne

- 15:00 **Two Synthetic Approaches for one target: Single Molecule Magnet Behaviour [IC-021]**
Pierre Emmanuel Car, University of Zurich
- 15:15 **Self-assembly of 3d-5f Molecular Magnets from Pentavalent Uranyl [IC-022]**
Lucile Chatelain, *Marinella Mazzanti*, EPF Lausanne
- 15:30 **On the Synthesis, Biological Evaluation and Use of Metallocenyl Derivatives [IC-023]**
Jeannine Hess, *Gilles Gasser*, University of Zurich
- 15:45 **Vibrational spectroscopy on functionalized and chiral monolayer protected gold clusters [IC-024]**
Birte Varnholt, *Thomas Bürgi*, University of Geneva
- 16:00 **Carbene insertion into a P–H bond: Parent phosphinidene-carbene adducts from PH₃ [IC-025]**
Mark Bispinghoff, *Hansjörg Grützmacher*, ETH Zurich
- 16:15 **Design and Synthesis of Perfluorous Ionic Liquids [IC-026]**
Valentin Michael Manzanares, *Paul Joseph Dyson*, EPF Lausanne
- 16:30 **Going to Extremes: From Fluorine-Free Blue to Stable Red Emitting Iridium Complexes for LEECs [IC-027]**
Cathrin D. Ertl, *Edwin C. Constable*, University of Basel
- 16:45 **Application of ferrocene derivatives for stimuli-responsive polymers and for biosensor [IC-028]**
Michela Di Giannantonio, *Katharina Fromm*, University of Fribourg

Medicinal Chemistry & Chemical Biology [MC]**Morning Session – CE 6**

Chair: Yves Auberson, Novartis



Session Endowment: Actelion Ltd

- 11:15 **SCS Division of Medicinal Chemistry: What does the DMCCB do?** [MC-011]
Yves Auberson, Novartis Pharma AG
- 11:30 **Discovery and optimisation of a CREBBP Bromodomain ligand.** [MC-012]
Michael Brand, *Robert S. Paton*, University of Oxford
- 11:45 **LC-MS/MS for determination of brain uptake and target mediated differential PK of PDE10A PET tracer candidates** [MC-013]
Gobbi Luca, F. Hoffmann-La Roche AG
- 12:00 **Synthetic Nucleotides Reduce Human DNA Polymerase η -mediated Synthesis Over a Cisplatin DNA Cross-link Adduct** [MC-014]
Arman Nilforoushan, *Shana Sturla*, ETH Zurich
- 12:15 **Discovery of G Protein-Coupled Bile Acid Receptor 1 (GPBAR1, TGR5) Agonists as Antiinflammatory Agents** [MC-015]
Klemens Hoegenauer, Novartis Pharma AG
- 12:30 **From pre-miRNA labeling to the identification of small molecule modulators of microRNA biogenesis: application to the cancer associated pre-let-7/lin28 interaction.** [MC-016]
Ugo Pradere, *Jonathan Hall*, ETH Zurich

Afternoon Session – CE 6

Chair: Jean-Louis Reymond, University of Bern

- 15:00 **Fluoroquinolone containing inhibitors of bacterial topoisomerases with a novel mode of action** [MC-021]
Cornelia Zumbunn, Actelion Pharmaceuticals Ltd.
- 15:15 **Siglec-8 – A Novel target For Asthma.** [MC-022]
Blijke Suzanne Kroezen, *Beat Ernst*, University of Basel
- 15:30 **SMN2 splicing modifier for the treatment of Spinal Muscular Atrophy (SMA)** [MC-023]
Hasane Ratni, F. Hoffmann-La Roche AG
- 15:45 **From bulk to single molecule - Point mutations reveal specific intra domain interactions essential for group II intron ribozyme folding** [MC-024]
Erica Fiorini, *Roland K.O. Sigel*, University of Zurich
- 16:00 **Photoaffinity labeling in Chemoproteomic: Cyanopindolol and a small molecule mediated reprogramming of mESCs as successful case study.** [MC-025]
Maude Patoor, *Laure C. Bouchez*, Novartis Pharma AG
- 16:15 **Refining the understanding of the catalytic mechanism of DNazymes** [MC-026]
Michael Heinrich R az, ETH Z urich, *Marcel Hollenstein*, University of Bern
- 16:30 **Strigolactones and their potential role in modern agriculture** [MC-027]
Mathilde Lachia, Syngenta Crop Protection AG
- 16:45 **Guineensine as a Novel Inhibitor of Endocannabinoid Reuptake** [MC-028]
Ruben Bartholom us, ETH Zurich, *J urg Gertsch*, University of Bern

Organic Chemistry [OC]**Morning Session – CE 1**

Chair: Nicolas Winssinger, University of Geneva

Session Endowment: Syngenta Crop Protection AG

- 11:15 **Total Synthesis of Mandelalide A** [OC-011]
Tobias Br utsch, *Karl-Heinz Altmann*, ETH Zurich
- 11:30 **First Enantioselective Total Synthesis of Terengganensine A** [OC-012]
Cyril Piemontesi, *Jieping Zhu*, EPF Lausanne
- 11:45 **Synthesis of Cyclopentenones by an Asymmetric Nickel-Catalyzed [3+2] Reductive Cycloaddition of Enoates with Alkynes** [OC-013]
Joachim Ahlin, *Nicolai Cramer*, EPF Lausanne
- 12:00 **Catalytic One-Step Synthesis of Unprotected Piperazines, Morpholines and Thiomorpholines using SnAP Reagents** [OC-014]
Michael U. Luescher, *Jeffrey W. Bode*, ETH Zurich
- 12:15 **Organocatalytic Atroposelective Aldol Condensation** [OC-015]
Achim Link, *Christof Sparr*, University of Basel
- 12:30 **Lewis Acid Catalyzed Electrophilic Trifluoromethylation of Silyl Ketene Acetals: Access to Quaternary α -Trifluoromethylated Esters and Lactones** [OC-016]
Dmitry Katayev, *Antonio Togni*, ETH Zurich

Afternoon Session – CE 1

Chair: Philippe Renaud, University of Bern

- 15:00 **DAST-mediated Cyclization of α,α -Disubstituted- α -acylaminoketones: Efficient and Divergent Synthesis of Unprecedented Heterocycles** [OC-021]
Aurelien Bigot, Syngenta Crop Protection AG
- 15:15 **Design, synthesis and properties of 'Photochromic Torsional Switches' (PTS)** [OC-022]
Giuseppe Sforazzini, EPF Lausanne
- 15:30 **Dancing Ladders - Inducing and Distorting Helical Chirality in Achiral Polycyclic Systems** [OC-023]
Michel Rickhaus, *Marcel Mayor*, University of Basel
- 15:45 **Access to dihydrofurans with a fully substituted C2 stereocenter by Pd-catalyzed intermolecular asymmetric Heck reaction** [OC-024]
Gustavo Manuel Borrajo-Calleja, *Clement Mazet*, University of Geneva
- 16:00 **Domino Reaction to Functionalize Heterocycles: A Complementary Method to C-H Functionalization** [OC-025]
Yifan Li, *J r me Waser*, EPF Lausanne
- 16:15 **Pyridylidene-Mediated Dihydrogen Activation Coupled with Catalytic Imine Reduction** [OC-026]
Johanna Auth, *Andreas Pfaltz*, University of Basel
- 16:30 **Disclosing a Novel Way for Poly(disulfide)s to Enter Cells** [OC-027]
Giulio Gasparini, *Stefan Matile*, University of Geneva
- 16:45 **Halogen Bonding Supramolecular Capsules** [OC-028]
Oliver Dumele, *Franois Diederich*, ETH Zurich

Physical Chemistry [PC]**Morning Session – CE 4**

Chair: Frédéric Merkt, ETH Zurich

Session Sponsoring: Bruker Physik GmbH

- 11:15 **Unraveling the Photophysical Properties of Organic Semiconductors (Grammaticakis-Neumann Award Lecture 2015) [PC-011]**
Natalie Banerji, University of Fribourg
- 11:45 **Kinetic Isotope Effects on Exchange Rates of H^N and D^N in Tryptophan [PC-013]**
Estel Canet, *Geoffrey Bodenhausen*, EPF Lausanne
- 12:00 **Photoinduced Stark effect in colloidal systems: a case study with MAPbBr₃ and AQU/nC₆₀ [PC-014]**
Marine Eva Fedora Bouduban, *Jacques-E. Moser*, EPF Lausanne
- 12:15 **High resolution infrared spectroscopy and theory of parity violation and tunneling for dithiine as a candidate for measuring the parity violating energy difference between enantiomers of chiral molecules [PC-015]**
Sieghard Albert, *Martin Quack*, ETH Zurich
- 12:30 **Symmetry-Breaking Phenomena Detected with Ultrafast Time-Resolved Infrared Spectroscopy [PC-016]**
Bogdan Dereka, *Eric Vauthey*, University of Geneva

Afternoon Session – CE 4

Chair: Natalie Banerji, University of Fribourg

- 15:00 **Vibrational Optical Activity (VOA) of Chiral Ionic Liquids (CILs) [PC-021]**
Patric Oulevey, *Thomas Bürgi*, University of Geneva
- 15:15 **Characterization of Gd(III) chelators and combination of paramagnetic NMR with Gd(III)-nitroxide DEER in studies of biomacromolecules [PC-022]**
Luca Garbuio, *Maxim Yulikov*, ETH Zurich
- 15:30 **Experimental study of the ion-molecule reaction H₂⁺ + H₂ → H₃⁺ + H at low collision energies [PC-023]**
Pitt Allmendinger, *Frédéric Merkt*, ETH Zurich
- 15:45 **ClHO₃S as a prototype system for studying photo-dissociation induced by OH stretching overtone excitation [PC-024]**
Sebastian Brickel, *Markus Meuwly*, University of Basel
- 16:00 **Cold Chemistry on a multi-functional ion trap chip [PC-025]**
Arezoo Mokheri, *Stefan Willitsch*, University of Basel
- 16:15 **(Benzonitrile)₂ and (meta-Cyanophenol)₂: Influence of a Hydroxy Group on the Excitonic Splitting [PC-026]**
Franziska Balmer, *Samuel Leutwyler*, University of Bern
- 16:30 **Aqueous Catholyte for Rechargeable Li-O₂ and Li-Water Batteries [PC-027]**
Nam Hee Kwon, *Katharina M. Fromm*, University of Fribourg
- 16:45 **Quantifying Equilibrium Binding Affinity using 2D IR Spectroscopy and Non-native Amino Acids [PC-028]**
Klemens Lucas Koziol, *Peter Hamm*, University of Zurich

Polymers, Colloids & Interfaces [PI]**Morning Session – BS 160**

Chair: Holger Frauenrath, EPF Lausanne

Session Endowment: Dow Europe GmbH

- 11:00 **Dynamic bonds in fracture of soft materials [PCI-010]**
Costantino Creton, *ESPCI ParisTech*
- 11:30 **New UV Absorbers for the Photo-protection of Human Skin (Industrial Science Award Lecture 2015) [PCI-012]**
Dietmar Hüglin, *BASF AG*
- 12:00 **High dielectric permittivity elastomers for artificial muscles [PCI-014]**
Dorina Opris, *EMPA Dübendorf*
- 12:15 **Surface-initiated controlled radical polymerization from cellulose nanomaterials [PCI-015]**
Justin Zoppe, *Harm-Anton Klok*, EPF Lausanne
- 12:30 **High molecular weight poly(m,p-phenylene)s derived by Suzuki polycondensation: synthesis, processing and testing [PCI-016]**
Bernd Deffner, *A. Dieter Schlüter*, ETH Zurich
- 12:45 **Functionalized polymersomes inhibit malaria parasite invasion into host red blood cells [PCI-017]**
Adrian Najer, *University of Basel*

Afternoon Session – BS 160

Chair: Markus Niederberger, ETH Zurich

- 15:00 **Polyalkylene glycols and their role as components of modern industrial and automotive lubricants [PCI-021]**
Martin Greaves *Dow Europe GmbH, Dow Europe GmbH*
- 15:15 **Droplet-Based Microfluidics: High-Throughput Experimentation One Drop at a Time [PCI-022]**
Andrew deMello, *ETH Zürich*
- 15:45 **Photo-Sensitive Cationic Nanocarriers for Non-Toxic Delivery of Small Molecules [PCI-024]**
Ionel Adrian Dinu, *Wolfgang Meier*, University of Basel
- 16:00 **From supramolecular sheets to fibers and back: establishing the critical parameters that govern the morphology of pyrene-based self-assembled materials [PCI-025]**
Mykhailo Vybornyi, *Robert Häner*, University of Bern
- 16:15 **Electron transfer through peptide assemblies [PCI-026]**
Sonja Kracht, *Katharina Fromm*, University of Fribourg
- 16:30 **Self-assembled 2-D WSe₂ Thin Films for Photo-electrochemical Hydrogen production [PCI-027]**
Xiaoyun Yu, *Kevin Sivula*, EPF Lausanne
- 16:45 **Self-Recovering Gold Nanoparticle Films and Applications [PCI-028]**
Evgeny Smirnov, *Hubert Girault*, EPF Lausanne