



SCS Fall Meeting 2026

August 27-28, 2026,
University of Bern, vonRoll Campus



SCS

The Swiss
Chemists' Network
since 1901

Program Highlights of the first day, Aug 27, 2026

- Helvetica opening session
- Four parallel sessions for early career PI presentations*
- Lectures of our two SCS Honorary Members 2025
- Senior Industrial Science Award lecture 2026
- Commercial exhibition
- SCS Summer Party and 1st part of the poster session*

Program Highlights of the second day, Aug 28, 2026

- Plenary sessions with lectures of SCS Award winners 2026
- Nine parallel sessions with invited lectures and short talks*
- 2nd part of the poster session* during the lunch break
- Famous Fall Meeting Best Oral and Best Poster Presentation Award ceremony
- Commercial exhibition

Topics of the Parallel Sessions

- Analytical Sciences
- Catalysis Science & Engineering
- Computational Chemistry
- Chemistry and the Environment
- Inorganic & Coordination Chemistry
- Materials Chemistry
- Medicinal Chemistry & Chemical Biology
- Organic Chemistry
- Physical Chemistry

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**UNIVERSITÄT
BERN**

WELCOME TO THE 2026 FALL MEETING OF THE SWISS CHEMICAL SOCIETY (SCS)



Eva Hevia



Dmitry Katayev

On behalf of the Organizing Committee, the Members the Boards of all participating SCS Networks, and the Department of Chemistry, Biochemistry and Pharmaceutical Sciences of the University of Bern, we welcome you to the 2026 Fall Meeting!

This is the third time, after 2017, that we will be meeting at the Hochschulzentrum vonRoll, a wonderful venue for an event like ours. It is also the third time, since 2017, that the Fall Meeting is a two-day event. On the first day we will have the Helvetica Session featuring two prominent speakers, followed by lectures of SCS honorary members and award winners. In between this firework of high-level presentations, nine young scientists will be presenting their research projects as part of the “Principal Investigators Session”. Finally, the stage will be open for the youngest participants who would like to present their posters already on day one. At the end of an intense day, we will be enjoying ourselves at the SCS Summer Party.

The structure of the second day corresponds to the traditional Fall Meeting Program: After the Welcome and Opening, we will be enjoying the Award Lectures, followed by the nine thematic parallel sessions, the platforms for students to present their research. During the Lunch Break, the participants will have the opportunity to visit the Poster Session and the Commercial Exhibition.

In the afternoon, there is the second round of parallel sessions and Award Lectures. The two-day meeting ends with the announcement of the winners of the New Helvetica Prize and the Award Ceremony, honoring the best oral and best poster presenters.

The Fall Meeting is the most important platform for the next generation of chemists in Switzerland. For many, it is the first occasion to meet the community and to present their accomplishments outside the walls of their laboratories. More than 400 students submitted an abstract. Overall, the presentations of senior lecturers included, there will be as many as 100 oral presentations. At the Poster Session, 294 posters will be open for discussion, creating this wonderful, sizzling atmosphere of vivid exchange between participants.

We gratefully acknowledge the generous support of our sponsors, many of them going along with us for a long time. We thank all the members of the Organizing Committee for setting up attractive session programs. We invite you to browse through the program and look forward to meeting you at what many of us still call the “vonRoll Areal”.

Prof. Eva Hevia
Co-Chair of the symposium and local host
University of Bern

Prof. Dmitry Katayev
Co-Chair of the symposium and local host
University of Bern

PROGRAM OVERVIEW, THURSDAY, 27TH AUGUST 2026 (DAY ONE)

Interactive program incl. all abstracts of the lectures, talks and posters on <https://fm26.scg.ch>

Time	Program Day One	Location
12.30	Registration, Welcome Coffee	Building 6 (B6)
13.00	Welcome and Opening of the SCS Fall Meeting 2026 <i>Prof. Eva Hevia</i> , University of Bern, Co-Chair of the conference <i>Prof. Dmitry Katayev</i> , University of Bern, Co-Chair of the conference	B6.001
13.05	Helvetica Session <i>Prof. Gilles Gasser</i> , Chimie ParisTech - PSL «Metal Complexes for Medicinal Applications»	B6.001
13.40	<i>Prof. Ala Bunescu</i> , Universität Bonn «Selective Catalytic Strategies for the Valorization of Feedstock Functionalities in Organic Synthesis»	
14.20	Short Break	
14.30	Early Career PI Sessions (3 × 20 min presentations) PI Session 1 PI Session 2 PI Session 3	B6.001 B6.003 B6.004
15.30	Afternoon Break Poster installation in building 8	
16.00	SCS Honorary Member 2025 Lectures <i>Prof. Ernö Pretsch</i> , ETH Zurich «Structure Elucidation, Ion Sensors, and Challenges»	B6.001
16.45	<i>Prof. Antonio Togni</i> , ETH Zurich «Beautiful molecules! When and for whom?»	
17.30	Short Break	
17.45	SCS Senior Industrial Science Award Lecture 2026 <i>Dr. Kurt Püntener</i> , F. Hoffmann-La Roche AG «Catalysis as Key Enabler for the Stereoselective Synthesis of GDC-6599»	B6.001
18.30 – 21.00	SCS Summer Party and Poster Session Analytical Sciences [AS-101] ... [AS-112] Catalysis Science & Engineering [CE-101] ... [CE-141] Computational Chemistry [CC-101] ... [CC-135] Chemistry and the Environment [EV-101] ... [EV-117] Inorganic & Coordination Chemistry [IC-101] ... [IC-122] Materials Chemistry [MAT-101] ... [MAT-129] Medicinal Chemistry & Chemical Biology [MC-101] ... [MC-135] Organic Chemistry [OC-101] ... [OC-165] Physical Chemistry [PC-101] ... [PC-147]	Building 8
	Commercial Exhibition	Building 8
21.00	End of day one	

PROGRAM OVERVIEW, FRIDAY, 28TH AUGUST 2026 (DAY TWO)Interactive program incl. all abstracts of the lectures, talks and posters on <https://fm26.scg.ch>

Time	Program Day Two	Location
08.30	Registration, Welcome Coffee Commercial Exhibition	Building 6 (B6) Building 8 (B8)
09.30	Werner Prize Lecture 2026 <i>Prof. Nina Hartrampf</i> , University of Zurich «New Methods for the Chemical Synthesis of Post-Translationally Modified Peptides and Proteins»	B6.001
10.00	SCS Industrial Science Award Lecture 2026 <i>Dr. Samuele Cazzamalli</i> , Philochem AG «From Encoded Libraries to Anti-Cancer Theranostics»	B6.001
10.30	Short Break	
10.45	Morning Parallel Session (Invited lecture + 5 short talks)	
	Analytical Sciences [AS-011] ... [AS-017]	B8.B101
	Catalysis Science & Engineering [CE-011] ... [CE-017]	B6.004
	Computational Chemistry [CC-011] ... [CC-017]	B6.102
	Chemistry and the Environment [EV-011] ... [EV-017]	B8.B102
	Inorganic & Coordination Chemistry [IC-011] ... [IC-017]	B6.103
	Materials Chemistry [MAT-011] ... [MAT-017]	B6.104
	Medicinal Chemistry & Chemical Biology [MC-011] ... [MC-017]	B6.002
	Organic Chemistry [OC-011] ... [OC-017]	B6.001
	Physical Chemistry [PC-011] ... [PC-017]	B6.003
12.30	Lunch and Poster Session Commercial Exhibition	Building 8 Building 8
14.30	Afternoon Parallel Session	
	Analytical Sciences [AS-021] ... [AS-027]	B8.B101
	Catalysis Science & Engineering [CE-021] ... [CE-027]	B6.004
	Computational Chemistry [CC-021] ... [CC-027]	B6.102
	Chemistry and the Environment [EV-021] ... [EV-027]	B8.B102
	Inorganic & Coordination Chemistry [IC-021] ... [IC-027]	B6.103
	Materials Chemistry [MAT-021] ... [MAT-027]	B6.104
	Medicinal Chemistry & Chemical Biology [MC-021] ... [MC-027]	B6.002
	Organic Chemistry [OC-021] ... [OC-027]	B6.001
	Physical Chemistry [PC-021] ... [PC-027]	B6.003
16.15	Short Break	
16.30	Sandmeyer Award Lecture 2026 <i>Dr. Gabriel Schäfer</i> , Dottikon Exclusive Synthesis (former: Actelion and Idorsia) «From Racemic to Stereoselective - From Small Scale to GMP Production. The Process Chemistry Tale of CXCR7 Antagonist ACT-1004-1239»	B6.001
17.00	Paracelsus Award Lecture 2026 <i>Prof. Detlef Günther</i> , ETH Zurich «New Capabilities in Inductively Coupled Plasma Mass Spectrometry and Laser Ablation»	B6.001
17.45	Information Session and Ceremony of the Helvetica Prize 2026 David Spichiger, Richard Smith, Eva Hevia, Jérôme Waser	B6.001
18.00	Best Oral Presentation Awards (sponsored by Metrohm) Markus Steinke, Marketing Manager at Metrohm International Headquarters	B6.001
18.15	Best Poster Presentation Awards (sponsored by DuPont) Sergio Grunder, Representative of DuPont	B6.001
18.30	End of the conference	
18.45	General Assembly 2026 of the youngSCS	B6.002

GENERAL INFORMATION

Date: August 27, 2026, 12.30 – August 28, 2026, 18.30
 Location: University of Bern,
 vonRoll Areal
 Fabrikstrasse 6/8
 3012 Bern, Switzerland
 Website: <https://fm26.scg.ch>

Chairmen

Prof. Eva Hevia and Prof. Dmitry Katayev
 Departement of Chemistry, Biochemistry and Pharmaceutical
 Sciences, University of Bern
 Freiestrasse 3, 3012 Bern
 E-Mails: eva.hevia@unibe.ch / dmitry.katayev@unibe.ch

vonRoll Facility Services

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 Fabrikstrasse 8, 3012 Bern, Office: EG, A009
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Conference Secretariat

Swiss Chemical Society
 David Spichiger, Céline Wittwer, Sarah Schmitz
 Marktgasasse 32, 3011 Bern
 Tel.: +41 31 506 01 08
 E-Mail: info@scg.ch

Organizing Committee

Core team

- Prof. Eva Hevia, University of Bern (Co-Chairman)
- Prof. Dmitry Katayev, University of Bern (Co-Chairman)
- David Spichiger, Swiss Chemical Society (SCS Head Office)

Analytical Sciences (AS)

- Dr. Ralf Kaegi, Eawag Dübendorf
- Prof. Chan Cao, University of Geneva

Computational Chemistry (CC)

- Prof. Sandra Lubner, University of Zurich
- Dr. Fabrizio Creazzo, University of Zurich
- Prof. Kjell Jorner, ETH Zurich

Catalysis Sciences & Engineering (CE)

- Dr. Vlad Paunovic, Paul Scherrer Institute PSI
- Prof. Florian Seebeck, University of Basel

Chemistry and the Environment (EV)

- Dr. Claudio Screpanti, Syngenta
- Dr. Michael Sander, ETH Zurich

Inorganic & Coordination Chemistry (IC)

- Prof. Ross Milton, University of Geneva
- Prof. Marina Perez Jimenez, University of Geneva
- Prof. Sadig Aghazada, University of Bern

Organic Chemistry (OC)

- Prof. Peter Stacko, University of Zurich
- Prof. Michel Rickhaus, University of Geneva

Materials Chemistry (Mat)

- Dr. Maksym Yarema, ETH Zurich
- Dr. Daniel Görl, ZHAW
- Prof. Fabian von Rohr, University of Geneva

Medicinal Chemistry & Chemical Biology (MC)

- Dr. Fides Benfatti, Syngenta
- Prof. Dennis Gillingham, University of Basel

Physical Chemistry (PC)

- Prof. Enrica Bordignon, University of Geneva
- Prof. Malte Oppermann, University of Basel

Admission and Registration

Fees for presenters (poster or talk)

- SCS Members: free of charge
by convention, the first name in the abstract authors' list
- Non-members: CHF 250

Fees for participants without a presentation

- SCS Members: free of charge
Registration is mandatory
- Non-members: CHF 100

Pre-registered participants will get an invoice in advance to avoid waiting time at the check in desk. Participants who register after July 31 will have to pay the fees by credit card during the registration process.



If attending as a SCS member you have to bring your SCS membership-card with you! To become a member, please apply on <https://scg.ch/membership>

Interactive Program and Abstract Search

The website allows you an easy and interactive planning of your conference day.

Go to the Fall Meeting website and profit from the following functions:

- Interactive program overview with abstract preview
- Quick abstracts displayed as html files
- pdf-file download of single abstracts
- Extensive search functionalities

Coffee Breaks, Lunch and Smoking Areas

Refreshments will be served all day long. The lunch bag with beverage, offered on Friday between 12.30 and 14.00, is included in the conference fee.

The vonRoll mensa in the basement of building 8 offers a great selection of hot meals (not covered by the conference fee).

Smoking is prohibited in all buildings. Special smoking zones are available in front of the buildings at Fabrikstrasse 6 and 8.

Connection to the Internet

A wireless LAN (Wi-Fi) network offers you access to the internet. Members of institutions participating to the Switch-Mobile project (all Swiss universities) will be able to connect by simply using their usual VPN client software. Other users will have to register first through a secured web page. Swisscom also offers a public hotspot.

SCS Fall Meeting 2026
 27-28. August 2026, vonRoll Campus, University of Bern

Home Program Awards Registration Location

Select Topic: Analytical Sciences

28 Aug 2026

1

2

3

4

AS-011

Tailored Compound Specific Carbon Isotope Analysis in Heritage Science

L. Hendricks¹, L. Rümpf², E. Sandström³, C. Jaccot⁴

¹School of Engineering and Architecture of Fribourg (HEIA-FR), Bd de Pérolles 90, 1700 Fribourg

Radiocarbon dating has long been a cornerstone of archaeological science, providing a reliable means to determine the age of organic materials. Yet when applied to cultural heritage objects, traditional bulk analytical approaches often reach their limits due to complex material histories, mixed carbon sources, conservation treatments, and the limited amount of material available for sampling.

Supported by an SNSF Ambizione program, our research seeks to overcome these limitations by shifting the focus from bulk materials to individual molecules. We aim to untangle the mixed carbon sources encountered in heritage materials through compound-specific approaches and further target the carbon of an object, namely natural organic acids and pigments. The implementation of compound-specific radiocarbon analysis (CSRA) and compound-specific isotope analysis (CSIA) in heritage science requires not only high analytical precision, but also rigorous control of exogenous carbon contamination. This presentation will highlight our current efforts toward the development of carbon-specific carbon isotope methodologies, with preliminary results focusing on protocol development, including purification strategies, blank assessment, and contamination modelling.

More broadly, this work channels how analytical chemistry can contribute to new methodological frameworks in heritage science. By targeting the molecular responsibility for an object's carbon, compound-specific carbon isotope analysis opens new possibilities for investigating not only chronology, but also the provenance, material history, and broader cultural narrative embedded within heritage objects.

Rümpf, L.; Sandström, E.; Jaccot, C.; Sandström, N.; Hendricks, L. *CHIMIA* 2025, 79 (11), 784–791.

CONFERENCE VENUE

How to get to the vonRoll Areal

Fabrikstrasse 6 & 8, 3012 Bern



Public Transportation

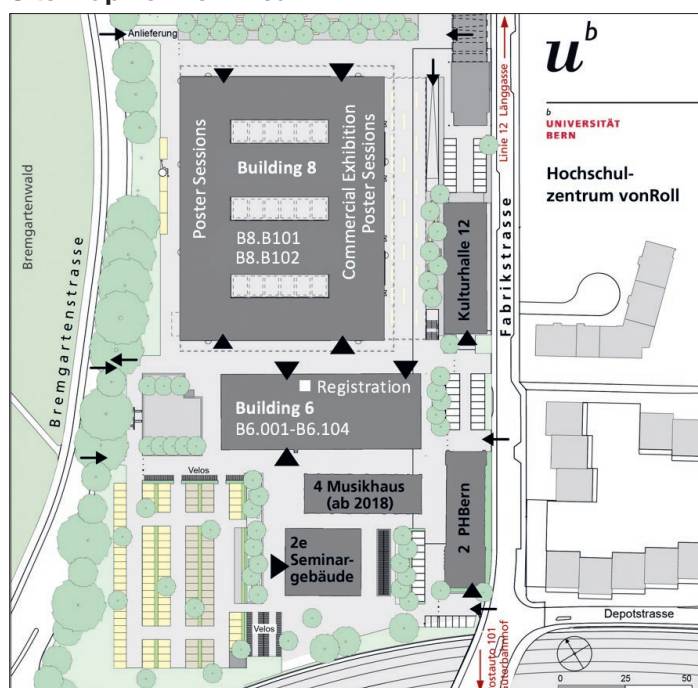
SBB railway schedule on sbb.ch. Take Bern main station, west exit (Ausgang Welle/Länggasse)

- PostBus 101 heading for Schlossmatt – Güterbahnhof stops. Cross the railway bridge and enter the vonRoll Areal;
- BernMobil bus line 20, Länggasse stops. Walk down 400m Fabrikstrasse and you will find the vonRoll Areal on the right-hand side;
- Take a walk through the Länggasse and pass the building of the Department of Chemistry, Biochemistry and Pharmaceutical Sciences at Freiestrasse 3. Continue until you turn into Fabrikstrasse. Turn left for another 200m meters. Total walk time: 15min.

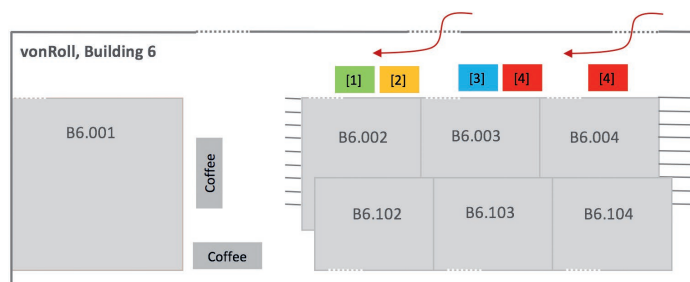
Car

Follow the highway A1 until Bern-Forsthaus. After the exit at the big crossroads turn left for another 50m. A public parking area is available just behind the vonRoll Areal on the right-hand side. Please note that there is no guarantee for free parking slots.

Site map vonRoll Areal

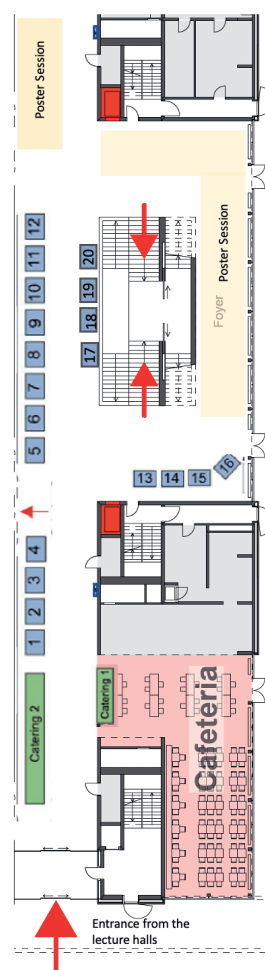


Registration Process



- SCS members with member card
Registered participants with conference badge
- Invited speakers, guests
Session chairs, jury members
- SCS members without member card
- Non-pre-registered participants
Non-SCS members
Onsite registration as SCS member

Commercial Exhibition



Exhibitors

- IGZ Instruments
- Büchi
- Macherey Nagel
- WAB
- Magritek
- Anton Paar
- Metrohm
- Brunschwig
- Comsol
- Mettler Toledo
- Siegfried
- WuxiTides
- Büchiglas
- TCI Europe
- AEMAS GmbH
- Agilent Technologies
- abcr
- Arxada
- Waters
- MDPI

Catering

Coffee Desk in Building 6

Catering Buffets in Building 8, Main corridor

BEST PRESENTATION AWARDS

The organizers are proud of the very attractive presentation award program. More than CHF 42'000 CHF in total are given to the winners in monetary form, travel grants or free publication opportunities in the Junior Laureates issue of *CHIMIA* 4/2027.

We would like to express our appreciation and gratitude to the Metrohm Foundation and DuPont, which jointly sponsor the award programs.



Best Oral Presentation Award

The award is sponsored by Metrohm Stiftung.

The prize is given for the two best short presentations of each parallel session. The main criteria are the scientific quality and originality of the research, plus the quality of the presentation. Ceremony: 28.08.2026, 18.00h in lecture hall 06-001.

Prize for the winner of each of the nine, parallel sessions

- Cash contribution of CHF 500
- Travel voucher of CHF 1000 to attend an international conference.
- Invitation to present the research in the laureates' issue of *CHIMIA*. Value CHF 1'200.

Prize for the Runners-up

- Cash contribution of CHF 400.

The prizes are sponsored by the Metrohm Foundation and will be handed over by Dipl. Ing. Markus Steinke, Executive Vice President Marketing at Metrohm International Headquarters, Herisau



HELVETICA PRIZE OF THE SWISS CHEMICAL SOCIETY 2026

Helvetica and the Swiss Chemical Society are proud to award the 2026 winners of the Helvetica Prize of the Swiss Chemical Society for the best published papers of PhD/Postdocs 2025/26 in Helvetica Chimica Acta. The prize is endowed with CHF 1'000 for the winner and CHF 500 for the runner up. The prize was implemented in 2019 to honor outstanding publications of young researchers in Switzerland.

Richard Smith, Managing Editor of Wiley-VHCA will honor the winners that will then present their papers in a 3min short presentation.

1st Prize: **Dr. Valeriia Hutskalova** (University of Basel, Group of Prof. Christof Sparr)

«Synthesis of Biphenanthrene Natural Products by Atroposelective Aromatic Ring-Opening Metathesis»

DOI: <https://doi.org/10.1002/hlca.202500210>

2nd Prize: **Dr. Charlotte Egger** (University of Geneva, Group of Prof. Claude Piguet)

«Spin-Crossover Modulated Luminescence in Materials and Molecular Complexes»

DOI: <https://doi.org/10.1002/hlca.202500180>

Covers of the 2023-2025 Junior Laureates Issues



Best Poster Presentation Award

The award is sponsored by DuPont

The prizes are given for the best posters of each parallel session. The main criteria are the scientific quality and originality of the research, plus the quality of the presentation.

Ceremony: 28.08.2026, 18.15h in lecture hall 06-001.

Prize for the winner of each of the seven, poster session

- Cash contribution of CHF 200.
- Travel voucher of CHF 750 to attend an international conference.
- Invitation to present the research in the laureates' issue of *CHIMIA*. Value CHF 1'200.

Prizes for the Runners-up

- 1-2x cash contributions of CHF 200.

The prizes are sponsored by DuPont and will be handed over by Dr. Sergio Grunder, Representative of DuPont.

EXHIBITOR CHALLENGE

Visit our exhibition and participate in the exhibitor challenge.



Full cards with stickers from all our partners take part in the lucky draw of 1x100.00 CHF.

Cards with at least one full column or one full row take part in the draw of 2x 50.00 CHF.

The prize draw takes place on August 28, at 18:00h.

SPONSORS AND SUPPORTERS

The SCS and the meeting organizers gratefully acknowledge the generous support of its main sponsors, session sponsors and exhibitors. Without their contributions, it would not be possible to organize this event on an annual basis.

SCS Main Supporters and General Supporters



ENDOWMENTS OF PARALLEL SESSIONS



COMMERCIAL EXHIBITORS



Award Lectures Plenary Sessions

Helvetica Lecture 2026/1

«Selective Catalytic Strategies for the Valorization of Feedstock Functionalities in Organic Synthesis» [PS-001]

August 27, 2026, 13.05–13.40h

Prof. Ala Bunescu, Rheinische Friedrich-Wilhelms-Universität Bonn



Helvetica Lecture 2026/2

«Metal Complexes for Medicinal Applications» [PS-002]

August 27, 2026, 13.40–14.15h

Prof. Gilles Gasser, Chimie ParisTech, PSL University



Honorary Member 2025

«Structure Elucidation, Ion Sensors, and Challenges» [PS-003]

August 27, 2026, 16.00–16.45h

Prof. Ernő Pretsch, ETH Zurich, is honored for his outstanding, scientific achievements and many years of service in the Analytical Science Division (DAS), the SCS Academy as well as the organization of numerous scientific events in Switzerland and abroad.



Honorary Member 2025

«Beautiful molecules! When and for whom?» [PS-004]

August 27, 2026, 16.45–17.30h

Prof. Antonio Togni, ETH Zurich, is honored for his outstanding, scientific achievements and many years of service in the Fundamental Research Division (DFR), the Chemical Education Division (DCE), as well as the organization of numerous scientific events in Switzerland and abroad.



Senior Industrial Science Award 2026

«Catalysis as Key Enabler for the Stereoselective Synthesis of GDC-6599» [PS-005]

August 27, 2026, 17.45–18.30h

Dr. Kurt Püntener, F. Hoffmann-La Roche AG,

is honored in recognition for his outstanding contributions in delivering innovative and breakthrough solutions in route design and process development for accessing highly complex drug substances including peptides and oligonucleotides.



Werner Prize 2026

«New Methods for the Chemical Synthesis of Post-Translationally Modified Peptides and Proteins» [PS-006]

August 28, 2026, 09.30–10.00h

Prof. Nina Hartrampf, University of Zurich, receives the award for her outstanding program in chemical biology, driven by a detailed understanding of chemical reactivity, leveraged by state-of-the-art automation in flow chemistry, with a thorough evaluation in complex biological systems.

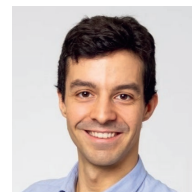


SCS Industrial Science Award 2026

«From Encoded Libraries to Anti-Cancer Theranostics» [PS-007]

August 28, 2026, 10.00–10.30h

Dr. Samuele Cazzamalli, Philogen S.p.A., is awarded for his outstanding contribution in tumor-targeting therapeutics.



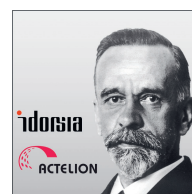
Sandmeyer Award Lecture 2026

«From Racemic to Stereoselective – From Small Scale to GMP Production. The Process Chemistry Tale of CXCR7 Antagonist ACT-1004-1239» [PS-008]

August 28, 2026, 16.30–17.00h

Dr. Gabriel Schäfer, Dottikon ES

The SCS honors Dr. Gabriel Schäfer, Dr. Stefan Abele, Tony Fleischer and Muhamed Ahmetovic from the chemical process development team from Actelion/Idorsia, in recognition of the team's outstanding achievements to developing a scalable and cost-efficient enantioselective route of synthesis for ACT-1004-1239, a potent CXCR7-antagonist.



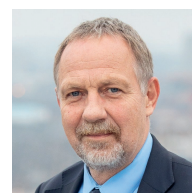
Paracelsus Award Lecture 2026

«New Capabilities in Inductively Coupled Plasma Mass Spectrometry and Laser Ablation» [PS-009]

August 28, 2026, 17.00–17.45h

Prof. Detlef Günther, ETH Zurich,

is awarded for his pioneering contributions to the field of analytical chemistry, particularly in inductively coupled plasma mass spectrometry (ICP-MS).



Abstract codes

PS	Plenary Session
AS	Analytical Sciences
CE	Catalysis Sciences & Engineering
CC	Computational Chemistry
EV	Chemistry and the Environment
IC	Inorganic Chemistry
MAT	Materials Chemistry
MC	Medicinal Chemistry & Chemical Biology
OC	Organic Chemistry
PC	Physical Chemistry
PI	PI Session
[XY-001]...[XY-033]	Oral Presentations
[XY-101]...[XY-199]	Poster

EARLY CAREER PI / POSTDOC SESSIONS**27. AUGUST 2026, 14.30–15.30H****PI Session 1
B6.001**

- 14:30 **Size-Tunable Semiconducting 2D Nanorectangles from Conjugated Polyenyne Homopolymer [PI1-011]**
Tae-Lim Choi, ETH Zurich
- 14:50 **Catalysis by Inorganic Materials: Control at the New catalytic pathways to functional and recyclable polymers [PI1-012]**
Suong Nguyen, EPFL Lausanne
- 15:10 **A Streamlined Strategy for the Construction of Oligonucleotide Phosphoramidate Libraries [PI1-013]**
Suman Dana, University of Basel
C. Bon, C. Sparr

**PI Session 2
B6.003**

- 14:30 **General Platform for Divergent Construction of Phosphorus-Modified DNA/RNA Backbones [PI2-011]**
Corentin Bon, University of Basel
A. Budeev, S. Dana, C. Sparr
- 14:50 **Highly defective perovskite-based catalysts for energy and environment: application in methanol synthesis from CO₂ hydrogenation [PI2-012]**
Chiara Pischetola, Paul Scherrer Institute
L. Artiglia, A. Bugaev, F. Talebkeikhah, F. Yao, V. Sushkevich, M. Vanni, F. Krumeich, J. van Bokhoven
- 15:10 **Redox targeting and chelate design for next-generation flow batteries [PI2-013]**
David Reber, Empa

**PI Session 3
B6.004**

- 14:30 **From Small Machines to Complex Assemblies [PI3-011]**
Enzo Olivieri, University of Basel
- 14:50 **Harnessing Transient Anions and Low-Valent Metals: Mechanistic Pathways to Challenging Transformations [PI3-012]**
Andreu Tortajada, University of Fribourg
- 15:10 **Enantioselective Hydrogen Atom Relay via Non-covalent Catalyst Assembly [PI3-013]**
Giuseppe Zuccarello, EPFL Lausanne
N. Yalamanchili, J. Alexandre

THEMATIC PARALLEL SESSIONS**28. AUGUST 2026, 10.45–12.30H AND 14.30–16.15H****Analytical Sciences [AS]
Morning Session – B8.B101
Chair: Ralf Kaegi, Eawag**

Waters™

- 10:45 **Tailored Compound Specific Carbon Isotopes Analysis in Heritage Science [AS-011]**
Laura Hendriks, HEIA Fribourg
L. Rumpf, E. Sandström, C. Iacconi, L. Hendriks*
- 11:15 **Depth-Resolved Investigation of Elemental Fractionation in Zircon and Glass Matrices using Single-Pulse-Resolved LA-ICP-TOFMS [AS-013]**
Sarah Oberholzer, ETH Zurich
T. Van Acker, D. Günther*
- 11:30 **Protein Identification by Nanopore-Based Amino Acid Profiling [AS-014]**
Yun Zhang, University of Geneva
V. Rukes, Z. Chikha, C. Cao*
- 11:45 **Fingerprinting materials oxidation using laser-induced XUV spectroscopy (LIXS) [AS-015]**
Davide Bleiner, Eastern Switzerland University of Applied Sciences (OST)
S. Rameshbabu, J. von Ballmos, D. Bleiner*
- 12:00 **Origin Determination of Sapphire using High-resolution Femtosecond Laser Ablation Ionisation Mass Spectrometry [AS-016]**
Luca Knecht, University of Bern
S. Gruchola, P. Keresztes Schmidt, M. Tulej, A. Riedo, P. Wurz*
- 12:15 **The Bounty Rule: Analytical Dimensionality Outperforms Precision in Non-Target High-Resolution Mass Spectrometry [AS-017]**
Jens Jacobsen, Waters AG; D. Bleiner

**Afternoon Session – B8.B101
Chair: Chan Cao, University of Geneva**

- 14:30 **Broadband Characterization of the α -Relaxation Near the Glass Transition: Limitations of Time-Temperature Superposition and Advantages of CHIRP Rheometry [AS-021]**
Carlos Gracia Fernandez, TA Instruments / Waters
- 15:00 **Compatibility with Media, Accelerated Aging, and Lifetime Estimation in the Polymer Lifecycle [AS-023]**
Roudabeh Valiollahi, Eastern Switzerland University of Applied Sciences (OST)
M. Bruderer, M. Canal, G. Dörig, A. Maurer, J. Ulmer, R. Valiollahi*
- 15:15 **On-line Elemental Analysis using Nitrogen for LA-ICPMS [AS-024]**
Dylan Käser, ETH Zurich; J. Koch, D. Günther*
- 15:30 **Researching Backwards: Root-Cause Reconstruction in Industrial Failure Analysis [AS-025]**
Debra Cortes Gomez, Eastern Switzerland University of Applied Sciences (OST)
- 15:45 **Identification of glycosaminoglycans with different sulfation degrees through magnesium-mediated interaction with a biological nanopore [AS-026]**
Xueqing Ma, University of Geneva
V. Rukes, L. W. Perrin, A. Camazzola, I. Iacovache, B. Zuber, R. R. Vivès, C. Cao*
- 16:00 **Technetium-99 – A new tracer for nuclear forensics [AS-027]**
Michael Hofstetter, ETH Zurich
D. Buckingham, K. Iten, C. Pomaro, S. Röllin, P. Steinegger*

**Computational Chemistry [CC]
Morning Session – B6.102**
Chair: Sandra Lubner, University of Zurich



- 10:45 **Towards Reliable Materials Discovery with Foundation Models** [CC-011]
Johannes Margraf, University of Bayreuth
- 11:15 **Non-Perturbative Vibrational Excitation by Explicit Pulses from Classical Phase-Space Dynamics** [CC-013]
Sameernandan Upadhyayula, EPFL Lausanne
J. Vanicek*
- 11:30 **Exact Tunneling Splittings from Rotationally Projected Path-Integral Sampling** [CC-014]
Yu Wang, ETH Zurich
L. Zupan, J. O. Richardson*
- 11:45 **A State-Space-View of Atom-Diatom Reactions Relevant to Rarefied Gas Flow** [CC-015]
Abhirami Vijayakumar, University of Basel
R. M. Barrios, M. Meuwly*
- 12:00 **Data-driven reactivity design through generative modeling with quantum chemistry validation** [CC-016]
Zarko Ivkovic, ETH Zurich
K. Jorner*
- 12:15 **Computational Insights into PFAS Recognition by Metabolite Receptors: A Data-Driven Approach** [CC-017]
Miroslava Nedyalkova, University of Fribourg
M. Lattuada

Afternoon Session – B6.102
Chair: Fabrizio Creazzo, University of Zurich

- 14:30 **Beyond the Hype: The Realities of End-to-End Data-Driven Chemistry in Agrochemical R&D** [CC-021]
Federico Dapiaggi, Syngenta Crop Protection AG
N. Lopanitsyna
- 15:00 **Perovskite-Chalcogenide Epitaxial Heterostructures: A Computational Study** [CC-023]
Alice Piantavigna, EPFL Lausanne
V. Carnevali, A. Vezzosi, S. Meloni, U. Roethlisberger*
- 15:15 **Understanding the reaction mechanism of fluoroacetate dehalogenase for the design of enzymes that degrade “forever chemicals”** [CC-024]
Salomé Guilbert, EPFL Lausanne
U. Rothlisberger, P. Schwaller*
- 15:30 **Graph Theory Meets Shape Descriptors: Mining the Cambridge Structural Database for Monolayer-Protected Ag, Au, and Ag–Au Clusters** [CC-025]
Elena Zerbato, University of Geneva
K. A. Ethmane, C. Besnard, A. F. Perez Mellor, T. Bürgi*
- 15:45 **Charge- and Spin-Aware Graph Neural Network with the Spin-polarized Charge Equilibration Method** [CC-026]
Deqi Tang, University of Zurich
S. Lubner*
- 16:00 **Machine-Learning in NMR Crystallography: From Fast Predictions to Incorporation of Nuclear Quantum Effects** [CC-027]
Ruben Rodriguez-Madrid, EPFL Lausanne
M. Kellner, J. B. Holmes, V. P. Principe, M. Ceriotti*, L. Emsley*

**Catalysis Sciences & Engineering [CE]
Morning Session – B6.004**
Chair: Florian Seebeck, University of Basel



- 10:45 **Birth, Life, and Death in Palladium Catalysis: Innovations Toward Sustainable Pharmaceutical Synthesis** [CE-011]
Sachin Handa, University of Missouri
- 11:15 **Media-Programmed Electrochemical Divergence: Selective Access to Z-Allylic Alcohols or Allenes through Engineered Micellar Nanoreactors and Surface-Confined Acidic Microenvironments** [CE-013]
Karanjeet Kaur, University of Missouri
D. Leahy, S. Handa*
- 11:30 **Sodium Zincate Mediated Dihydrogen Activation and Catalytic Imine Hydrogenation** [CE-014]
Talia Mathers, University of Bern; E. Hevia*
- 11:45 **Electrophile Selection: the Key for the Optimization of Tryptophan derivatives synthesis** [CE-015]
Evelyn Sgroi, University of Bern; F. Paradisi*
- 12:00 **Molybdoenzyme Mediates Carbon-Sulfur Bond Making and Breaking in Ergothioneine Biosynthesis** [CE-016]
Gladwin Alim, University of Basel
R. P. Jakob, S. B. Bolotova, J. Yang, M. L. Kirk, F. P. Seebeck*
- 12:15 **The role of synthesis in tuning Fe speciation in Fe-ZSM-5 toward NO-assisted N₂O decomposition** [CE-017]
Gabriela-Teodora Dutca, Paul Scherrer Institute / EPFL
D. C. Cano-Blanco, M. Ameres, K. Raue, M. Agrachev, G. Jeschke, D. Ferri*, O. Kröcher*

Afternoon Session – B6.004
Chair: Vladimir Paunovic, Paul Scherrer Institute

- 14:30 **Sustainability by Process Design – Development of a 3-Step Domino-Sequence en route to buprenorphine** [CE-021]
Thomas Debnar*, Siegfried AG; D. Petzold
- 15:00 **Simultaneous contactless operando conductivity and operando EPR measurements in catalysis** [CE-023]
Katja Raue, ETH Zurich
M. Agrachev, G. Jeschke*
- 15:15 **Single atoms of indium on hafnia enable superior CO₂-based methanol synthesis** [CE-024]
Yung Tai Chiang, ETH Zurich
M. Ritopecki, P. O. Willi, K. Raue, J. Morales-Vidal, T. Zou, M. Agrachev, H. Eliasson, J. Wang, R. Erni, W. J. Stark, G. Jeschke, R. N. Grass, N. López, S. Mitchell, J. Pérez-Ramírez*
- 15:30 **Pressure-Invariant Formate Intermediacy in CO₂ Hydrogenation over Cu/ZnO/Al₂O₃** [CE-025]
Ioana Popa, Paul Scherrer Institute
A. Brenig, M. Zabitsky, J. Lee, J. A. van Bokhoven*, V. L. Sushkevich*
- 15:45 **Li-Promotion in Rh-based CO₂ Hydrogenation Catalysts to Ethanol: Enabling Carbon-Carbon Bond Formation at the Interface** [CE-026]
Colin Hansen, ETH Zurich
N. Tavernier, M. Wiedmaier, P. M. Abdala, C. Müller, M. Iannuzzi*, C. Copéret*
- 16:00 **Enhanced alkene productivity in methanol-to-hydrocarbons conversion using a second catalyst component and hydrogen co-feeds** [CE-027]
Matteo Vanni, Paul Scherrer Institute
A. Brenig, A. H. Clark, J. A. van Bokhoven*, V. Paunović*

**Chemistry and the Environment [EV]
Morning Session – B8.B102**


Chair: Michael Sander, ETH Zurich

- 10:45 **Unravelling the Fate and Transport of Micro and Nanoplastics in Water Treatment Plants** [EV-011]
Serge Stoll, University of Geneva
- 11:15 **Towards Safe and Sustainable by Design: The Potential of Read-Across Microbiomes Approaches to Assess Soil Biodegradability of Chemicals** [EV-013]
Natalie Wichmann, Syngenta Crop Protection AG
S. Partanen, C. Kaal, K. Fenner*, C. Screpanti*
- 11:30 **Interactive Generative Modelling for Safe and Sustainable by Design Chemicals: A Case Study on Antioxidants** [EV-014]
Franziska Weissbach, ETH Zurich
C. Humer, C. Robinson, K. Fenner, K. Jorner*
- 11:45 **Environmental Hazard Screening of Phenolic Antioxidants: From Persistence to *In Vitro* Toxicity Assessment for Safe-by-Design Chemical Development** [EV-015]
Cleo Soldini, University of Zurich
B. Mederer, Y. Seol, J. Anthamatten, K. Fenner*, B. Escher*
- 12:00 **18O-informed metabolomics reveals phosphorylation changes in microbial metabolic responses to environmental stress** [EV-016]
Cheng Shi, Eawag Dübendorf
E. Evertz, F. Tamburini, T. Hofstetter
- 12:15 **Revisiting Deposition of Ammunition in Swiss Lakes: from Monitoring Organic Munition Constituents to Assessing their Release and Fate** [EV-017]
Chloé Udressy, Eawag Dübendorf
J. Bolotin, J. Hollender, R. Kägi, T. B. Hofstetter*

Afternoon Session – B8.B102

Chair: Claudio Screpanti, Syngenta Crop Protection AG

- 14:30 **Turning Net-Zero Into Reality – Arxada's chemical network as key to unlock sustainable chemistry** [EV-021]
Ulrich Mayerhöffer*, Arxada AG; P. Kohler
- 15:00 **A Moment of Heat, a Lifetime Exposure? The Interplay of Temperature and Contaminants increases Pressure on Aquatic Invertebrates** [EV-023]
Johannes Rath, Eawag Dübendorf
M. Hermann, C. von Au, J. Hollender
- 15:15 **Bioaccumulation of organic pesticides in fish cells for chemical risk assessment** [EV-024]
Kehinde Olajide, Eawag Dübendorf
R. Schönenberger, M. E. Franco, K. Groh, K. Schirmer*
- 15:30 **A molecular mechanism for stress volatile perception in plants** [EV-025]
Tristan Cofer, University of Bern
L. Wang, M. Erb*
- 15:45 **Harnessing actinomyces-derived metabolites for late blight disease biocontrol** [EV-026]
Ola Abdelrahman, University of Fribourg
A. Gillon, E. Jaccard, F. L'Haridon, L. Weisskopf*
- 16:00 **Cropping context and prior conspecific oviposition alter rape stem weevil behaviour: metabolomic insights into plant-insect interactions.** [EV-027]
Léa Bolis, Agroscope / University of Neuchâtel
G. Glauser, M. Bueche, S. Rasmann*, I. Hiltbold*

**Inorganic & Coordination
Chemistry [IC]**

Morning Session – B6.003

Chair: Sadig Aghazada, University of Bern

- 10:45 **Reticular Design of Quantum Materials: Emergent Properties in Metal–Organic Nets** [IC-011]
Kasper Pedersen, Technical University of Denmark
- 11:15 **Highly Reduced Alkali-Metal Nickelates: Synthesis, Structure, and Catalytic Applications** [IC-013]
Luca Vedani, University of Bern
E. Hevia*
- 11:30 **Synthesis, Isolation, and Reactivity of Gold(III) Phosphaketene Complexes** [IC-014]
Gabriel Dunes, University of Zurich
M. Locate, C. Nevado*
- 11:45 **Nitrile Activation in Platinum-Based Ligand Backbone Manipulation** [IC-015]
Lars Burri, University of Bern
M. Albrecht*
- 12:00 **Cp*M Complexes with the N-Heterocyclic Vinylidene Ligand IPrC** [IC-016]
Tak Hin Wong, EPFL Lausanne
K. Severin*
- 12:15 **Bimetallic Silylation Reagents: Structural Investigation and Reactivity of Caesium Silylzincates** [IC-017]
Jelena Krizic, University of Bern
E. Hevia*

Afternoon Session – B6.003

Chair: Marina Perez Jimenez, University Geneva

- 14:30 **Beyond Steady-State in Catalysis: from Unconventional Operations to Unconventional Reactors** [IC-021]
Pierdomenico Biasi*, Casale SA
L. Villantieri, R. Castiglione, M. Bialkowski
- 15:00 **Introducing a Redox-Rich Heterometallic {Re,Fe} Cluster with Accessible Fe Center and Catalytic Small Olefin Production** [IC-023]
Xinyan Zhou, University of Bern
S. Hausammann, S. Aghazada*
- 15:15 **Mechanism-Guided Precision Hydrolysis of Early Transition Metals to Access (Mixed-Metal) Oxo Clusters** [IC-024]
Muhammed Jibin Parammal, University of Basel
J. Pulparayil Mathew, A. Prescimone, A. Unniram Parambil, H. Wilson, J. De Roo*
- 15:30 **Tri-coordinated Ga Alkoxide: Surface Model of Lewis Acidic Ga Sites** [IC-025]
Kazutaka Sakamoto, ETH Zurich
C. Copéret*
- 15:45 **Production of no-carrier-added ¹⁶⁶Ho for targeted radioligand therapy via neutron irradiation of enriched ¹⁶⁴Dy₂O₃** [IC-026]
Edoardo Renaldin, Paul Scherrer Institute
C. Hillhouse, U. Köster, N. P. van der Meulen, R. Eichler, Z. Talip*
- 16:00 **A Photochemical Nitrate-to-NO Assay Enabled by Light-Driven Oxygen Vacancy Formation in Poly-oxovanadates** [IC-027]
Jan Reger, ETH Zurich
N. Chettata, M. J. Bezdek*

Materials Chemistry [MAT]**Morning Session – B6.104**

Chair: Daniel Görl, ZHAW



- 10:45 **Phase Separation: A Versatile Tool for Designing Dynamic Polymer Networks** [Mat-011]
Renaud Nicolay, ESPCI Paris
- 11:15 **Optimizing Copolymer Microgels for Tunable Structural Color Formation** [Mat-013]
Manuel Kraus, University of Basel
M. Malekovic, I. A. Dinu, C. Palivan*
- 11:30 **Toward Chemical Processors: Programmable Reaction-Diffusion Networks in Silicon Micro-reactors** [Mat-014]
Sandro Agostini, IBM Research Europe – Zurich
V. Zarth, M. Fasching, P. Schwaller, J. Pérez-Mercader, A. W. Knoll*, H. Wolf*
- 11:45 **Unlocking Aromatic Monomers by Living Cascade Ring-Opening Polymerization** [Mat-015]
Eunsong Jung, ETH Zurich
J. Kweon, S. Kuhn, D. Ong, H. Kim, B. Morandi, C. Sparr*, T. Choi*
- 12:00 **Molecular Dynamics Simulation of the Passivation Process of Hydroxylated Tin Oxide for Solar Cell Devices** [Mat-016]
Auguste TETENOIRE, EPFL Lausanne
A. Vezzosi, V. Carnevali, U. Röthlisberger*
- 12:15 **Project HEOCat: Engineering Porous High-Entropy Oxides for Sustainable Energy and Environmental Applications** [Mat-017]
Amy Knorpp, Empa

Afternoon Session – B6.104

Chair: Maksym Yarema, ETH Zurich

- 14:30 **Accelerated Transformation in Chemistry and Energy** [Mat-021]
Ahmed Mahmoud, Chemspeed Technologies AG
- 15:00 **Controlled Dual Doping of Transition Metal Phosphide Surfaces** [Mat-023]
Gregor Wasser, University of Basel
M. F. Delley*
- 15:15 **Chirality-Controlled Supramolecular Modification of High-Molar-Mass Polyester for Improved Processing and Performance** [Mat-024]
Filip Koldzic, EPFL Lausanne
S. Thiele, H. Frauenrath*
- 15:30 **Polar Polymers as Electrolytes in Lithium Metal Batteries** [Mat-025]
Can Zimmerli, Empa
F. Okur, Y. Sheima, K. Kravchyk, D. Opris*
- 15:45 **Exploration of Asymmetric Paracyclophanes Functionalized with Azulene and NDI or PMDI** [Mat-026]
Gino Graf, University of Bern
M. Mukherjee, E. Zyaee, C. Negrete-Vergara, V. Slama, H. Frey, T. Feurer, U. Röthlisberger*, S. Liu*
- 16:00 **Surface Organometallic Chemistry on a MEMS Chip: Operando TEM Study of Dynamics of Alloyed PtGa Nanoparticles during Propane Dehydrogenation** [Mat-027]
Mattia Ciuoli, ETH Zurich
E. Brack, J. Landis, M. Plodinec, C. Copéret*

Medicinal Chemistry & Chemical Biology [MC]**Morning Session – B6.002**

Chair: Fides Benfatti, Syngenta Crop Protection AG

Johnson & Johnson
Innovative Medicine

- 10:45 **Pharmacophore profiling highlights diverging binding modes of nemtabrutinib and ibrutinib across kinases** [MC-011]
Charly Empereur-mot, SUPSI Lugano
G. Sartori, L. Pesce, D. Polino, F. Bertoni
- 11:00 **Discovery and Complex Dose-Dependent Pharmacology of a Potent SARM1 Base-Exchange Inhibitor in a Mouse Model of Neuropathy** [MC-012]
Maude Giroud, F. Hoffmann-La Roche Ltd
B. Kuhn, J. Benz, M. B. Wittwer, A. Haider, A. Brigo, J. Keaney
- 11:15 **From structure-activity relationship study to solubility enhancement and development of photoswitchable TRPM4 inhibitors** [MC-013]
Christian Gerber, University of Bern
B. S. Augustynek, P. Grossenbacher, B. Hauert, S. A. Singer, C. Peinelt, M. Lochner*
- 11:30 **Matched Molecular Pair Analysis and Chameleonic Effects in the Discovery of an Allosteric WRN Helicase Inhibitor** [MC-014]
Joseph Schoepfer, Novartis Pharma AG
- 11:45 **Discovery of de novo peptidic binders for undruggable proteins** [MC-015]
Yuji Kamei, EPFL Lausanne
M. Pacesa, G. Grammbitter, G. Menoud, L. Nickel, P. Franz, C. Heinis, B. Correia, J. Waser*, B. Fierz*
- 12:00 **Toward a Protein-Based Sensor for S-Nitrosylated Coenzyme A** [MC-016]
Henriette Lämmermann, University of Zurich
P. Rivera Fuentes*
- 12:15 **Arrayed Protein Libraries from DECoDR Mutagenesis** [MC-017]
Anton Natter Perdiguerro, University of Zurich
A. Deliz Liang*

Afternoon Session – B6.002

Chair: Dennis Gillingham, University of Basel

- 14:30 **PAMs of GluN2B-containing NMDARs as enhancers of synaptic plasticity for the treatment of Alzheimer's disease** [MC-021]
Carlos Martínez Vitorro, J&J Innovative Medicine
- 15:00 **Locking RNA in motion: Dynamic Mechanism of Group II Intron Inhibition** [MC-023]
Abdul Rahman Sadiq, University of Zurich
M. Lisibach, R. K.O. Sigel*, S. Zelger-Paulus*
- 15:15 **Discovery and optimization of imidazole carboxamides, a new class of NLRP3 inflammasome inhibitors** [MC-024]
Tim Schuhmann, Novartis AG
- 15:30 **Protein conjugates in a flash: light-activated ortho-nitrobenzyl alcohols for the production of antibodies against cancer** [MC-025]
James Southwell, University of Zurich
C. Berton, S. Kichou, T. Chetot, J. Holland*
- 15:45 **Can Molecular Dynamics Serve as a PostDocking Pose Filter?** [MC-026]
Thomas Steinbrecher, F. Hoffmann-La Roche Ltd
- 16:00 **Construction of DNA-Encoded Peptide Libraries with SPPS-Synthesized Building Blocks** [MC-027]
Valerie Waser, EPFL Lausanne
L. Massaad, C. Heinis*

**Organic Chemistry [OC]
Morning Session – B6.001**

Chair: Peter Stacko, University of Zurich

Givaudan

- 10:45 **Bacterial RNA targeting** [OC-011]
Wim Velema, Radboud University Nijmegen
- 11:15 **A ratiometric pH sensor for Gram-positive and Gram-negative bacteria.** [OC-013]
Dorothea Kossmann, University of Zurich
A. Iizuka, N. Khanna, P. Rivera-Fuentes*
- 11:30 **From Supramolecular stacking to Self-assemblies of curved molecules on surfaces** [OC-014]
Orane Domecq-cazaux, University of Geneva
K. Zhang, T. Weiß, M. Rickhaus*
- 11:45 **Oxidative Amination Through Nitrogen Atom Insertion into Unactivated Alkenes** [OC-015]
Yannick Brägger, ETH Zurich
A. K. Paschke, E. Tufano, B. B. Botlik, P. Gärtner, N. Nasiri, F. Felician, M. C. Amberg, L. Sorrentino, D. T. Egger, B. Morandi*
- 12:00 **Stereoselective total synthesis of skew-tetramantane, diamond's chiral core** [OC-016]
Xiao-Yu Li, University of Basel
C. Sparr*
- 12:15 **Sodium-Mediated C-H Functionalization: Direct and Selective (Multi)Silylation of (Hetero) Arenes** [OC-017]
David Sanchez Roa, University of Bern
E. Hevia*

Afternoon Session – B6.001

Chair: Michel Rickhaus, University of Geneva

- 14:30 **Decoding the Scent of Ambra: Chemoenzymatic Synthesis of 15 Ambrox Stereoisomers and their GC-Olfactometric Analysis and *in vitro* hOR-Activation** [OC-021]
Felix Flachsmann, Givaudan Schweiz AG
E. Eichhorn, R. Emter, A. Natsch, L. Hortencio, S. Dossenbach
- 15:00 **Rational Design of Photocleavable Tags for Quantum Interferometry of Biomolecules** [OC-023]
Amal Kumar, University of Basel
O. Rybakova, J. Reisinger, A. Mulaj, P. Geyer, L. Kim, M. Arndt, M. Mayor*, V. Köhler*
- 15:15 **Escaping the excimers: Bending peropyrene for singlet fission** [OC-024]
Paula Widmer, University of Zurich
D. Čavlović, T. Matic, O. Blacque, M. Juriček*
- 15:30 **Electric Field Catalysis** [OC-025]
Miguel Paraja, University of Geneva
S. Matile*
- 15:45 **Functional Self-Assembled Systems from Oligo-proline-Chromophore Conjugates** [OC-026]
Joseph Woods, ETH Zurich
T. Da Silva-Ferreira, A. Herdlitschka, H. Wennemers*
- 16:00 **Diastereoselective Synthesis of Housanes via the Carbocupration of Cyclopropenes** [OC-027]
Clement Tanguy, EPFL Lausanne
V. Smyrnov, M. Wodrich, J. Waser*

**Physical Chemistry [PC]
Morning Session – B6.003**

Chair: Enrica Bordignon, University of Geneva



- 10:45 **Handedness in Space: Photons, Molecules, and Life's Chiral Signature** [PC-011]
Cornelia Meinert, Université Côte d'Azur
- 11:15 **Enhanced sensitivity and reduced spectral overlap in ENDOR spectroscopy with chirped pulses** [PC-013]
Julian Stropp, ETH Zurich
N. Wili*, D. Klose*
- 11:30 **Resistance to Overdoping Allows Over 2000 S cm⁻¹ Conductivity in P(g₃BTBT) With Anion-Exchange Doping** [PC-014]
Basil Hunger, University of Bern
M. Horn, E. Röck, L. Bynes, S. Gobeil, C. Kousseff, I. McCulloch, W. Maes, D. Tsokkou*, N. Banerji*
- 11:45 **Ligand-Dependent Lipid Bilayer Disruption by Atomically Precise Metal Clusters** [PC-015]
Merve Örer, University of Geneva
T. Bürgi*
- 12:00 **Progress on photo-CIDNP as a General Tool for Dye Sensitized Hyperpolarization in Solid-state NMR** [PC-016]
Máté Visegrádi, EPFL Lausanne
M. Levien, F. De Biasi, G. Karthikeyan, J. W. Whipham, O. Ouari, L. Emsley*
- 12:15 **A Molecular Movie of Photoinduced Structural Dynamics in Diazocine Captured by Small-Molecule Time-Resolved Serial Femtosecond Crystallography** [PC-017]
Samuel Perrett, Paul Scherrer Institute
C. Bacellar Cases da Silveira, J. van Thor

Afternoon Session – B6.003

Chair: Malte Oppermann, University of Basel

- 14:30 **Evolution of interference control in ICP-MS: From correction models to MS/MS** [PC-021]
Gernot Hudin, Agilent Technologies (Schweiz) AG
A. Kapaklis
- 15:00 **Breaking Kasha's Rule in Gold Nanoclusters: Unconventional Photophysics of [Au₂₅(PET)₁₈]⁰** [PC-023]
Luis Llanes Montesino, University of Geneva
G. Angulo, T. Bürgi*, A. Rosspeintner*
- 15:15 **Time-resolved photoelectron imaging of photochemistry at aqueous droplet surfaces** [PC-024]
Naglis Kriūnas, ETH Zurich
J. Heitland, J. C. Lee, M. Wyrsh, B. L. Yoder, R. Signorell*
- 15:30 **Two molecular pathways for ion-driven «structure making / braking» in water revealed by Correlated Vibrational Spectroscopy** [PC-025]
Viktor Vorobev, EPFL Lausanne
M. Flor, S. Roke*
- 15:45 **Cold chemistry of single trapped H₂O⁺ ions with neutral HD molecules in a cryogenic ion trap** [PC-026]
Nanditha Sunil Kumar, University of Basel
P. Paliwal, M. Popov, A. Li, H. Guo, S. Willitsch*
- 16:00 **Competition between photoionization and predissociation in electronically excited states of He₂ studied by simultaneous detection of metastable He fragments and He₂⁺ ions.** [PC-027]
Maxime Holdener, ETH Zurich
J. Agner, H. Schmutz, F. Merkt*

SCS Fall Conference — a must-attend event on the SCS members' calendars, but also visually diverse and appealing

Several articles and editorials have been written in recent years about the scientific value of the SCS Fall Meeting, and there is no question that hardly any other annual conference enjoys such high popularity within the scientific community. But there's more to it than just the scientific content ;-).

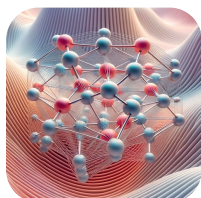
The Key Visuals

Every SCS Fall Meeting is accompanied by a promotional campaign, and designing the visuals for flyers, posters, and the websites presents a bit of a headache every year — but it's also a challenge and a pleasure at the same time. Together with the staff at the head office, the local organizing committee selects an image or designs a graphic that builds the basis for all communication measures.

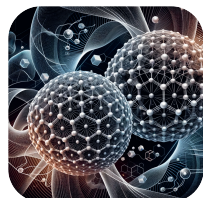
We would like to take this opportunity to extend our heartfelt thanks to everyone who, over the past 20 years, has helped shape the visual identity of the SCS Fall Meeting and has worked to ensure that the diversity of its content is reflected in its visual appearance.



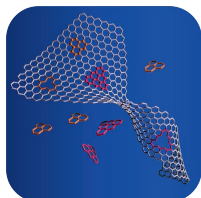
SCS Fall Meeting 2026
27.–28. Aug 2026
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04. Sep 2025
University of Zurich



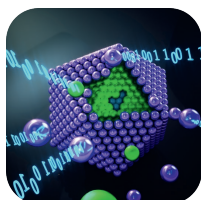
SCS Fall Meeting 2024
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University of Fribourg



SCS Fall Meeting 2023
24.–25. Aug 2023
Universität Bern



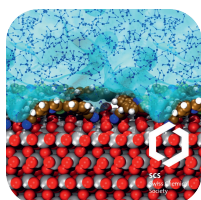
SCS Fall Meeting 2022
08. Sep 2022
University of Zurich



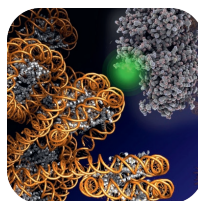
SCS Fall Meeting 2021
10. Sep 2021
Online Conference



SCS Fall Meeting 2020
25. Aug 2020
Online Conference



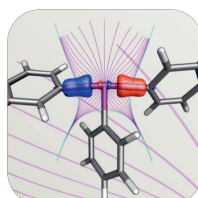
SCS Fall Meeting 2019
06. Sep 2019
University of Zurich



SCS Fall Meeting 2018
07. Sep 2018
EPFL Lausanne



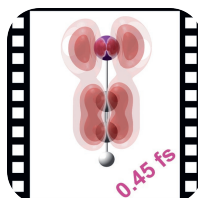
SCS Fall Meeting 2017
21./22. Aug 2017
Universität Bern



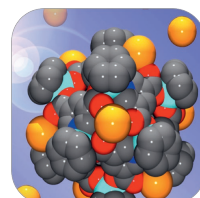
SCS Fall Meeting 2016
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University of Zurich



SCS Fall Meeting 2015
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EPFL Lausanne



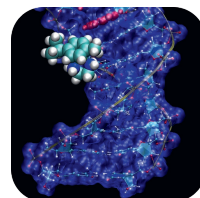
SCS Fall Meeting 2014
11. Sep 2014
University of Zurich



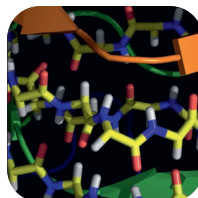
SCS Fall Meeting 2013
06. Sep 2013
EPFL Lausanne



SCS Fall Meeting 2012
13. Sep 2012
ETH Zürich



SCS Fall Meeting 2011
09. Sep 2011
EPFL Lausanne



SCS Fall Meeting 2010
16. Sep 2010
ETH Zürich



SCS Fall Meeting 2009
04. Sep 2009
EPFL Lausanne

SCS FALL MEETING 2026, POSTER SESSIONS**Poster Presentation Title [Code]**

First line = Presenting Author

Second line = Co-authors

**Analytical Sciences [AS]
Poster Session****Multiple-Quantum-Edited Heteronuclear Single-Quantum Correlation Experiments [AS-101]**

Ciarán Baumann, University of Bern

J. Furrer*

Towards Protein Sequencing: Single Amino Acid Discrimination and Quantification by Aerolysin Nanopore. [AS-102]

Zakaria Chikha, University of Geneva

Y. Zhang, C. Cao*

Cracking the sugar code: Towards nanopore-based glycan sequencing [AS-103]

Prathamesh Datar, University of Geneva

G. Rosca, R. R. Vivès, C. Cao*

Development of a Py-GC/MS Method to Quantify Tire and Road Wear Particles in Aquatic and Terrestrial Organisms [AS-104]

Anaïs Denigot, EPFL Lausanne

T. Masset, B. J. Ferrari, K. Schirmer, A. Toso, S. Gonçalves,

E. Vermeirssen, A. Bergmann, F. Breider*

Assessment of Laser-based Infrared – Imaging for Microplastic Analysis [AS-105]

Julia Friedli, Empa

M. Philipp, G. Crosset-Perrotin, A. Moraz, T. Bucheli,

C. Hueglin, R. Kaegi*

The secrets of the ink behind the iconic “Basel Dove” stamp [AS-106]

Clémence Iaconi, HEIA Fribourg

L. Rumpf, P. Fankhauser, C. Portmann, N. Kessler,

N. Haldemann, L. Hendriks

Optimization of Lipophilic Organic Electrolytes for Reference Electrode Development [AS-108]

Supakorn Kittikomoldej, University of Geneva

N. Y. Tiuftiakov, E. Bakker*

Classifying Quantum Dot Systems in a Commercial Quantum Dot Enhancement Film by LA-ICP-TOFMS Imaging and PCA [AS-109]

Tobias Schöberl, ETH Zurich

D. Käser, N. Lüchinger, Y. Kominko, S. Sabisch, M. Klimpel,

A. Kanak, S. Yakunin, D. Dirin, D. Günther*, M. Kovalenko*

Anodic Electrodeposition for the Separation of Co-60 for Background Suppression in γ -Spectrometric Analysis [AS-110]

Sebastian Siegrist, Paul Scherrer Institut / ETH Zurich

F. Würfel, M. Heule, P. Steinegger

Minimally invasive elemental fingerprinting of historical colored sheet glass by open ablation LA-ICP-MS [AS-111]

Barbara Umfaher, ETH Zurich

F. Fankhauser, S. Wolf, R. Gugelmann, F. Giese, D. Günther*

Forensic Trace Element Analysis of Bullets [AS-112]

Felix Weigand, ETH Zurich

C. Saxer, D. Günther*

**Computational Chemistry [CC]
Poster Session****High-performance polarizable embedding QM/MM implementation in the MiMiC framework [CC-101]**

Andrej Antalík, EPFL Lausanne

A. Levy, S. Kvedaravičiūtė, U. Röthlisberger*, J. M. Olsen*

Tripeptide-Dynamics from Empirical and Machine-Learned Energy Functions [CC-102]

Sena Aydin, University of Basel

V. Andreichev, P. Maragkoudakis, M. Meuwly*

Smart Labs: Enhancing Experimental Documentation through AI-driven Video Monitoring [CC-103]

Carlo Baldassari, EPFL Lausanne

F. Zipoli, T. Laino*, J. Waser*

Nonzero-temperature vibronic spectra of polyatomic molecules from a zero-temperature classical trajectory [CC-104]

Davide Barbiero, EPFL Lausanne

J. Vaníček*

Machine Learning in Heterogeneous Catalysis: A Data-First Approach in Scarce Regimes [CC-105]

Victor Felix Øyvinn Böttcher, ETH Zurich

N. Iwanojko, C. Copéret*

An Explicit Machine-Learned Two-Body Potential Energy Surface for Molecular Dynamics Simulations of Molecular Clusters. [CC-106]

kham Lek Chaton, University of Basel

E. D. Boittier, M. Devereux, M. Meuwly*

Polypharmacology Browser PPB4: A Web-based Deep Learning Tool for Target Prediction Using Active and Inactive ChEMBL Data [CC-107]

Maedeh Darsaraee, University of Bern

J.-L. Reymond*

Pushing Δ SCF to New Frontiers: Spin-Orbit Coupling in Gas and Extended Condensed Phase Systems [CC-108]

Tjeerd de Jong, University of Zurich

M. Mališ, S. Luber*

Identification of potential natural analgesic compounds through molecular docking-virtual screening, molecular dynamics simulation, MM/GBSA, DFT, and ADMET computations [CC-109]

Ali Dehshahri, Shiraz University of Medical Sciences

S. Hossaini Alhashemi, A. Dehshahri*

Incorporating rotational symmetry and quantisation into instanton theory [CC-110]

Jindra Dušek, ETH Zurich
J. E. Lawrence, J. O. Richardson*

Atomistic insight into structural transformations in Fe-rich smectites [CC-111]

Michelle Ernst, University of Bern
S. Churakov

From Proteins and Molecules to Cats and Dogs: Visualization as Scalable Minimum Spanning Trees [CC-112]

Alejandro Flores, University of Bern
J.-L. Reymond*

Photodissociation of molecules using semiclassical nonadiabatic molecular dynamic methods [CC-113]

Daniele Furlanetto, ETH Zurich
J. O. Richardson*

Evaluating vibronic spectra beyond the Herzberg-Teller approximation with Hagedorn wavepackets [CC-114]

Michele Gandolfi, EPFL Lausanne
J. Vaníček*

Deciphering the Mechanism Behind the Fe/I₂ Catalyzed Ortoleva–King Type Reaction: A DFT Study [CC-115]

C Gopika, CMS College Kottayam, Kerala, India
J. B. Kottooran, . S. Mampallil, C. Rajalakshmi, J. Jacob,
G. Anilkumar, V. I. Thomas*

RXNMapperv2: updated validation and evaluation on expanded chemical space [CC-116]

Yves Grandjean, University of Bern
S. Raffaud, A. M. Westerlund, P. Schwaller, S. Genheden*,
J.-L. Reymond*

Flow Matching for Ligated Nanoclusters via Approximated Optimal Transport [CC-118]

Aline Hartgers, ETH Zurich
L. Schaufelberger, R. Schlama, M. Franke, A. Soni, L. Mismetti,
M. Alberts, A. Krause, P. Schwaller*, K. Jorner*

On-the-fly Machine Learning-Enhanced Multiple Time-Step Propagation for QM/MM Dynamics [CC-119]

Thibault Kläy, EPFL Lausanne
F. L. Mouvet, U. Rothlisberger*

Multiscale Modeling of Complex Biomolecular Systems: From Classical Force Fields to Polarizable QM/MM [CC-120]

Andrea Levy, EPFL Lausanne
U. Rothlisberger

A Computational Investigation into the Molecular Mechanism of Fe catalyzed Sonogashira Cross-Coupling Reaction [CC-121]

Shilpa Mathew, Mahatma Gandhi University
C. Rajalakshmi, L. Roy, J. B. Kottooran, P. Santhoshkumar,
V. I. Thomas*, G. Anilkumar*

Semiclassical Spin Exchange via Temperature-Dependent Transition States [CC-122]

Debaarjun Mukherjee, ETH Zurich
J. O. Richardson*

Beyond Just Reactions: The Strategic and Mechanistic Elements of AI-Driven Total Synthesis [CC-123]

Xuan-Vu Nguyen, EPFL Lausanne
D. P. Armstrong, O. Susany, M. Wehrbach, A. M. Bran,
Z. Jonecv

Modelling Quantum-Controlled Molecular Collisions of N₂⁺ ions with He atoms [CC-124]

Shimoni Patel, University of Basel
O. Roncero, M. Meuwly*, S. Willitsch*

Atomistic modelling of formaldehyde formation in zeolites: intrinsic kinetics and the role of extra-framework aluminium Lewis acid sites [CC-125]

Luca Pesce, SUPSI Lugano
D. Polino*

Assessing Chemical Product Design: From Autonomous Quantum Reaction Discovery to Cheminformatics Applications [CC-126]

Enric Petrus, Enric
D. G. Ruiz, T. Weymuth, M. Reiher, T. B. Hofstetter*

Machine Learning-Guided Scope Selection to Balance Performance and Substrate Similarity [CC-127]

Sven Roediger, University of California, Los Angeles
M. S. Sigman*, A. G. Doyle*

Drift-React: One-step Generation of Reaction Pathways via SE(3) Drifting Fields [CC-128]

Rémi Schlama, EPFL Lausanne
P. Schwaller*

A Framework for Predictive ML Modelling of Cross-Linked Polymers at Industrial Scale: Learning With Incomplete Chemical Representations [CC-129]

Ghali Sekkat, ETH Zurich / Huntsman Advanced Materials
E. Farmand-Ashtiani, F. Klunker, C. Tekin, O. Honisch,
K. Jorner*

Understanding the boundaries of universal machine learning potentials for organic photochemistry [CC-130]

Henrik Seng, ETH Zurich
H. Zhang, K. Jorner*

Quantum-Accurate Enhanced Sampling and Mini-Protein Folding through Replica Exchange for Multiscale Neural Network Potentials [CC-131]

Riccardo Solazzo, ETH Zurich
I. Gordiy, S. Riniker*

Rooted fingerprints as a robust baseline for site-selectivity prediction [CC-132]

Giustino Sulpizio, ETH Zurich
K. Jorner

Li-Promotion in Rh-based CO₂ Hydrogenation Catalysts to Ethanol [CC-133]

Nicolas Tavernier, University of Zurich

C. Hansen, M. Wiedmaier, P. M. Abdala, C. Müller, M. Iannuzzi*, C. Copéret*

From an AI-Generated NaV1.8 Inhibitor to Commercially Accessible Molecules: Bridging Generative Design and Ultra-Large Chemical Spaces [CC-134]

Modest von Korff, Alipheron AG

C. Loeffeld, T. Sander

Ab Initio Surface-Hopping Dynamics with Real-Time Propagation TDDFT Trajectories [CC-135]

Ruiyi Zhou, ETH Zurich

J. Richardson

Catalysis Sciences and Engineering [CE] Poster Session**Data-Driven Design of High-Entropy Oxides as Multi-component Catalysts for CO₂ Hydrogenation [CE-101]**

Fausto Aldegheri, ETH Zurich / Empa

Y. Hou, M. A. Newton, J. A. van Bokhoven*, A. J. Knorpp*

Conversion of CO₂ to Light Hydrocarbons over Alkali Metal-Promoted Ruthenium Nanoparticles Supported on Silica [CE-102]

Julian Bechtel, ETH Zurich

C. Copéret*

Unlocking Fe(I) Catalysis: Efficient Hydrosilylation of Terminal Olefins [CE-104]

Claire Benedict, University of Bern

M. Albrecht*

Gold-modified rare earth oxides with tunable lattice oxygen reactivity for N₂O synthesis [CE-105]

Gian Marco Beshara, ETH Zurich

T. Heinrich, A. Pitzer, K. Engel, K. Raue, F. Krumeich,

W. J. Stark, D. Teschner, J. Pérez-Ramírez*

Role of oxidative pulse parameters in long-term CO₂ electroreduction on silver [CE-106]

Claudia Bissattini Alessi, Empa

A. Senocrate, C. Battaglia

Atomic Ni/Al₂O₃ clusters for enhanced H₂ production from low-temperature dry methane reforming [CE-107]

Elisabetta Bonaglia, EPFL Lausanne

S. Jin, J. S. Luterbacher*

Determining the electroenzymatic behavior of diverse [FeFe]-hydrogenases on mesoporous electrodes for hydrogen production [CE-108]

Andrea Do Nascimento Henriques, University of Geneva

R. Milton*

Interfacial W–O–Zr ensembles in tungstated zirconia catalysts enable efficient hydrogen-free recycling of polypropylene waste [CE-109]

Yuzhen Ge, ETH Zurich

S. Zou, P. O. Willi, J. Fernández-González, R. N. Grass,

W. J. Stark, G. Guillén-Gosálbez, A. J. Martín, J. Pérez-Ramírez*

Decoupling Catalytic Reactivity from Basicity in Organocatalytic Ring-Opening Polymerization [CE-110]

Yuchen Hu, EPFL Lausanne

S. Ballal, S. Nguyen*

Efficient Chemical Space Exploration in Fischer-Tropsch Synthesis from CO₂ via Mathematically Optimized High Throughput Experimentation [CE-111]

Nestor Iwanjko, ETH Zurich

E. Lam, C. Copéret*

Cu₂O-Based Photoelectrodes for Photoelectrochemical Valorization of Biomass-Derived Chemicals [CE-112]

Nayeong Kim, University of Zurich

D. Tilley*

Biocatalytic Reduction of Six-Membered Ring Heterocyclic Imines in Continuous Flow [CE-113]

David Lim, University of Bern

F. Paradisi

CO₂ Hydrogenation to MeOH over the Cu-containing UiO-66 Metal-Organic Framework Studied by in situ XAS, XRD, and DRIFTS [CE-114]

Anna Liutkova, Paul Scherrer Institute

E. Destefano, M. Lopez Romero, M. Mirolo, A. Molokova,

M. Ranocchiari*

Optimizing aldol reactions via mechanochemistry: Study of potential Dyno®-Mill technology [CE-115]

Rémy Mariaux, HEIA Fribourg

L. Gremaud*

Cooperativity in Nitrogenases [CE-116]

Anindya Menon, University of Geneva

R. D. Milton*

Steam and oxygen effect in MTO catalyst regeneration [CE-117]

Monika Mielniczuk, Paul Scherrer Institut / ETH Zurich

L. Benariac-Doumal, S. Lee, M. Guo, Z. Pan, P. Rzepka,

J. A. van Bokhoven*, V. Paunovic*

From Inhibition to Integration: Immobilized IrPYA Complexes as Biocompatible NAD(P)H Regeneration Catalysts [CE-118]

Laura Monte, University of Bern

R. Keller, F. Paradisi*, M. Albrecht*

The emissions circularity degree as a shared compass for a circular chemical industry [CE-119]

Abhinandan Nabera, ETH Zurich

L. F. Santos, A. J. Martín, D. Vázquez, J. Pérez-Ramírez*,

G. Guillén-Gosálbez*

Pd–Cu Single-Atom Catalysts in Covalent Organic Frameworks for Sonogashira Cross-Coupling Reaction [CE-120]

Murad Najafov, University of Fribourg

D. Bonavia, F. Gándara, M. Nachtegaal, M. Mensi, A. Coskun*

Sustainability-guided catalyst optimization for CO₂ hydrogenation [CE-121]

Iris Noguerols-Langa, ETH Zurich

Y. Ge, J. Fernández-González, A. J. Martín, G. Guillén-

Gosálbez*, J. Pérez-Ramírez*

Direct C–H Arylation with Regenerable Heterogeneous Palladium Single-Atom Catalysts [CE-122]

Valentas Olikauskas, EPFL Lausanne

M. Usteri, A. Bugaev, M. Plodinec, S. Mitchell, J. Pérez-

Ramírez*, J. Waser*

Low-Potential Viologen-Based Electron Donors for Enzymatic H₂ Production with [FeFe]-Hydrogenases [CE-123]

Nils Ostermann, University of Geneva

S. Webb, A. Do Nascimento Henriques, R. Milton*

Agentic AI for Homogeneous Catalyst Design [CE-124]

Miquel Perez Puigdomenech, EPFL Lausanne

S. Kopf, P. Schwaller*

Surface-enhanced infrared absorption spectroscopic elucidation of the electrochemical promotion of the thermocatalytic hydrogenation of 3-nitrostyrene [CE-125]

Martina Pogany, University of Basel

Y. Jiao, M. F. Delley*

β-PdH_x as selective CO₂ reduction catalysts to formate via palladium membrane reactor [CE-126]

Lok Nga Poon, ETH Zurich

V. Mougel*

Combined SSITKA-FTIR studies on Cu/ZnO/oxide materials for CO₂ hydrogenation reaction reveal different formate species impacting the catalytic activity [CE-127]

Ioana Popa, Paul Scherrer Institute

C. A. Pischetola, L. A. Artiglia, J. A. van Bokhoven*,

V. M. Sushkevich*

Assessing the Cooperative Role of Brønsted-Lewis Acid Synergy in Ferrierite Zeolites for Methanol-to-Hydrocarbons Process [CE-128]

Archana Ramakrishnan, Paul Scherrer Institute

J. A. van Bokhoven*, V. Paunović*

Ligand flexibility as a concept to unlock catalytic activity: acyclic carbenes for base-free transfer ruthenium hydrogenation catalysis [CE-129]

Gianluca Righetti, University of Bern

G. Koidan, S. L. Filimonchuk, S. Shishkina, A. Kostyuk*,

M. Albrecht*

Reinventing Amide Bond Formation: Semi- and Fully Continuous Mechanochemistry at Scale [CE-130]

Philippe Roth, WAB-GROUP®

K. Banderob

Co/Ni POM–cubane hybrids as reconstructive precursors: comparing HER behaviour and OER activity [CE-131]

Aaron Schultz, University of Zurich

Versatile Functionalization Platform Using Iodonium Salts for Cobalt Phosphide Enables Enhanced Hydrogenation Selectivity [CE-132]

Yu-Chun Shen, University of Basel

V. Wyss, A. Shabnam, M. F. Delley*

Making Carbon–Carbon Bonds from CO₂: The Effect of Alkali Metals on Cobalt-Based Catalysts [CE-133]

Yannik Stiefel, ETH Zurich

W. Zhou, C. Copéret*

Influence of support material on the structural evolution of Ni-oxide support catalysts in dry methane reforming [CE-134]

Swathilakshmi Swathilakshmi, Paul Scherrer Institute

M. Sajad, J. E. Olszowska, S. Vajda, J. A. van Bokhoven*,

A. Kleibert*

Selective Shuttle Hydrochlorination of Alkynes over Carbon-Supported Gold Single Atoms [CE-135]

Marc-Eduard Usteri, ETH Zurich

E. J. Meeus, C. Zachau, S. Choi, A. Bugaev, M. Plodinec,

S. Mitchell, B. Morandi*, J. Pérez-Ramírez*

Overcoming ATP hydrolysis-driven conformational changes in nitrogenase [CE-136]

Nadiia Vorontsova, University of Geneva

R. D. Milton*

Ligand-Engineered Ni–Mo Oxides for Ethylene-Glycol Electrooxidation [CE-137]

Yu Wang, University of Zurich

Purification-Free Electroenzymatic Hydrogen Production with [FeFe]-Hydrogenase [CE-138]

Sophie Webb, University of Geneva

P. Maroni, U. Apfel, R. D. Milton*

Tuning Acidity in CuZn-Based Catalysts for Direct CO₂ Hydrogenation to Dimethyl Ether [CE-139]

Tong Wu, Paul Scherrer Institute

I. M. Popa, C. Pischetola, L. Artiglia, M. Iannuzzi, J. A. van

Bokhoven*, V. L. Sushkevich*

Substrate Scope and Structural Basis of Ergothione-Like Lyases in S-Alkyl Ergothione Catabolism [CE-140]

Amine Yucekul, University of Basel

A. Kneubühler, S. B. Bolotova, C. M. Vasseur, F. P. Seebeck*

Bayesian Optimization–Guided Development of P450_{BM3}-Catalyzed Metal–Hydride Hydrogen Atom Transfer [CE-141]

Kailin Zhang, University of Basel

X. Zhang, D. Chen, T. R. Ward*

Environmental Chemistry [EV] Poster Session

Elucidating the Role of Floral and Herbivore-Induced Volatiles in *Maruca vitrata* Oviposition Behavior and Natural Enemy Attraction: Implications for Semiochemical-Based Pest Management [EV-101]

Akwasi Addai, Koforidua Technical University
P. Owusu Ansah, M. Opoku*

Removal of Activated Corrosion Products in NPP Wastewater [EV-102]

Elizaveta Artiushova, Paul Scherrer Institute
Z. Talip, R. Eichler, E. A. Maugeri

Development of a Near-Infrared Spectroscopy Workflow for Carbon and Nitrogen Prediction in Soil and Plant Samples [EV-103]

Letizia Bavera, Swiss Federal Institute for Forest, Snow and Landscape Research WSL
M. Oettli, S. Kramer, U. Graf, S. Baur*

Occurrence, Dietary Exposure, and Gastrointestinal Fate of Benzoxazinoids [EV-104]

Madeleine Clough, University of Bern
J. L. Visconti, R. Ricci, M. N. Dias, C. A. Robert*, P. Mateo*

Opportunities and Limitations of Combustion Ion Chromatography (CIC) for PFAS Determination in Environmental Samples [EV-105]

Michael Edelmann, ZHAW Wädenswil
S. Ehmann, S. Kern*, C. Adlhart*

Spatiotemporal dynamics of herbivore-induced plant volatiles in maize [EV-106]

Marina Garcia-Alonso, University of Bern
T. M. Cofer, M. Erb*

Plant Protection Products (PPPs) in Glacier Ice, Snow, and Meltwater Samples from Stein Glacier, Switzerland – Investigating the Occurrence and Spatial Distribution of Plant Protection Products in Remote Areas [EV-107]

Serafina Heiter, University of Bern
A. C. Chiaia-Hernández*

Biodegradation Testing of Constituents of Natural Complex Substances [EV-108]

Georg Kreutzer, Givaudan International SA
A. Mendoza, T. Dutriez

Investigating Regional Halocarbon Emissions: The Seoul Tracer Release Experiment [EV-109]

Michelle Müller, ETH Zurich
M. K. Vollmer, S. Henne, J. Yun, H. Choi, S. Park, L. Emmenegger, S. Reimann*

Systemic defense induction by volatiles renders plants susceptible to manipulation by insect herbivores [EV-110]

Clémence Nicollérat, University of Bern
T. M. Cofer, M. Erb*

Sediments in lake systems; sinks or secondary sources of organic micropollutants? [EV-111]

Emmanuel Schaad, University of Bern
N. Estoppey, E. Eck*, A. Chiaia-Hernández*

In vitro reconstitution of bacterial degradation of plant toxins [EV-112]

Andrei Shaplin, University of Basel
G. Suryatin Alim, R. Crefcoeur, F. P. Seebeck*

Real-Time EI-TOF-MS Monitoring of Byproducts during ICP Etching of GeSn- and Ge-on-Si [EV-113]

Ira Villinger, ETH Zurich
R. Mandavkar, S. Iadanza, C. de Koning, K. Moselund*, S. Pfister*

Identifying biocontrol traits and boosting them through amino acid adjuvants [EV-114]

Laure Weisskopf, University of Fribourg
M. Cereghetti, L. Jerjen, L. Weisskopf*

Effect of *Bacillus velezensis* K-165 volatiles on *Botrytis cinerea* and *Arabidopsis* protection [EV-115]

Laure Weisskopf, University of Fribourg
A. Deschamps, N. Mosquera, E. Abou-Mansour, N. Mariethoz, S. Tjamos, F. L'Haridon, L. Weisskopf*

Uptake via the leaf surface allows plants to perceive volatiles with closed stomata [EV-116]

Hao Yu, University of Bern
T. M. Cofer, H. Lindner, M. Erb*

E-NICHE: A European Network In CHEMical Ecology: Translating the language of life into sustainability [EV-117]

Christelle Robert, E-NICHE Core Group

Inorganic and Coordination Chemistry [IC] Poster Session

Unconventional Reactivity of BAC Carbene and PCP Carbene Ligands on Fe(II) Complexes [IC-101]

Barnabe Berger, ETH Zurich
C. Copéret

Nickel Catalysed Silylation of Aryl-Ethers: a Mechanistic Study [IC-102]

Roel Bienenmann, University of Bern
E. Hevia*

Synthesis and Catalytic Activity of an Anionic Zinc Dihydride Complex [IC-103]

Zippora Brüllhardt, University of Bern
R. Bienenmann, E. Hevia*

Synthesis of Triazolyldene-Metal Complexes via an Unprecedented Free NHC Oxidative Addition Mechanism [IC-104]

Fabienne Bühler, University of Bern
G. Rigoni, M. Albrecht*

Site-Specific Speciation of Vanadium Sites on γ -Al₂O₃ Facets and Edges from ⁵¹V SSNMR Spectroscopy [IC-105]

Weicheng Cao, ETH Zurich
C. Copéret*

Synthesis and diastereomers separation of chiral bromo-pinene-bipyridine Re(I) tricarbonyl complexes for biological studies [IC-106]

Guillaume Chapuis, HEIA Fribourg
A. Crochet, C. Spack, F. Back, D. Hoogewijs, O. Mamula Steiner*

A Metallosupramolecular Receptor for Squaraine Dyes Enabling Ultrafast Dark Resonance Energy Transfer [IC-107]

Damien Chen, EPFL Lausanne
T. Deshpande, S. Collignon, F. Fadaei-Tirani, S. Feldmann, K. Severin*

Synthesis and Characterisation of Enantiopure Tricarbonyl Re(I) Anticancer Complexes for Stereocontrolled HIF Targeting [IC-108]

Himani Chourasia, HEIA Fribourg
A. B. Solea, A. Crochet, C. Spack, B. Chapuis, F. Zobi, D. Hoogewijs, O. Mamula Steiner*

Designing Low-Valent Cobalt Complexes for Catalytic Applications [IC-109]

david dejoj, University of Fribourg
A. Tortajada Navaro*

Xanthene-Based Iron(II) Complexes: Synthesis and Reactivity Studies [IC-110]

Rafaela Feuz, University of Bern
J. Kuziola, E. Hevia*

Metal-Organic Frameworks meet Highschool: Synthesis and Properties of Copper(II) Pyrazolate [IC-111]

Lars Gnägi, Gymnasium Thun
A. Lanza

Lithium-mediated Cobaltation of Arenes and Heteroarenes [IC-112]

Na Jin, University of Bern
E. Hevia*

C–H Ferration of Arenes by Iron(II) Alkyl/Potassium Alkoxide Synergism [IC-113]

Simon Karnbrock, University of Bern
M. D. Misteli, E. Hevia*

Iron-based metallacyclobuta-2,3-diene complexes and their transformations [IC-114]

Manish Kumar, University of Bern
S. Aghazada*

Tailoring Sodium Ferrate Complexes to Promote Poly-Metalations [IC-115]

Jennifer Kuziola, University of Bern
E. Hevia

Gold(III) Phosphaketene Complexes: Synthesis and Reactivity [IC-116]

Matias Locate, University of Zurich
G. Dunes, C. Nevado*

Photodynamic antimicrobial chemotherapy, using porphyrinoids metalated to a ruthenium (II) complex for the treatment of antimicrobial resistant bacterial strains [IC-117]

Sabina Malete, University of Fribourg
F. Zobi

Synthetic Investigations of Metal-Oxo Cubane Complexes [IC-118]

Walker Marks, University of Zurich
K. Wuerzer, G. Patzke*

Nitroxide Radicals as NMR Probes for Paramagnetic Metal Sites [IC-119]

Charalampos Papapanagis, ETH Zurich
A. Yakimov, G. Casano, O. Ouari, C. Copéret*

Comparison of different complexing agents for the separation of neighboring radiolanthanides [IC-120]

Anita Piccoli, Paul Scherrer Institute
R. Eichler, Z. Talip

Structural and synthetic insights on alkali-metal amido nickelates [IC-121]

Ioannis Vagiakos, University of Bern
E. Hevia

F430-Inspired Nickel Chemistry: A Platform for Radical C–H Bond Activation [IC-122]

Kaifeng Wang, University of Zurich
S. Amini, F. Zelder*

**Materials Chemistry [Mat]
Poster Session****Multimetallic High-Entropy Spinel Oxides as Tunable Catalysts for CO₂ Hydrogenation [Mat-101]**

Fausto Aldegheri, ETH Zurich / Empa
M. A. Newton, F. Kiefer, J. A. van Bokhoven*, A. J. Knorpp*

Linking Thermal Aging–Induced Structural Changes to Ammonia Speciation in VO_x–WO_x/TiO₂ Catalysts [Mat-102]

Marie-Gabrielle Ameres, Paul Scherrer Institute / EPFL Lausanne
O. Kröcher*, D. Ferri*

Energy Transfer in Lanthanide-doped core/shell/shell Zirconia Nanocrystals [Mat-103]

Anju Bindu Modan, University of Basel
N. Reichholf, J. De Roo*

Development of Microgram-Scale ²²⁶Ra Targets for Precision Muonic Atom Spectroscopy [Mat-104]

Arda Burçak, Paul Scherrer Institute
Z. Talip, R. Eichler, E. A. Maugeri*

Transphosphonate Exchange-Enabled Recyclable Flame-Retardant Epoxy Thermosets [Mat-105]

Fabrizio Crisci, Empa
S. Gaan

Hydroxy-Functionalized Near-Infrared Squaraine Dyes for Advanced Organic Conjugates and Hybrid Materials [Mat-106]

Elodie Didier, Empa
J. Bannwart, M. Bauer, J. P. Ferreira Assuncao, D. Rentsch, F. Nüesch*, R. Hany*

Towards Highly Specific Theranostics via Engineered Nanoparticles Mimicking Extracellular Vesicles: Focus on Envelope Dynamics [Mat-107]

Charly Empereur-mot, SUPSI Lugano
C. Perego, G. Rosso, S. Van Veen, L. Albertazzi, G. Pavan, V. Cauda

Investigating Facet-Dependent Surface Site Populations on γ -Alumina Morphologies and Their Influence on Transition Metal Immobilisation [Mat-108]

Andri Florin, ETH Zurich
D. Gioffré, P. Florian*, C. Copéret*

Highly Selective Solar Driven Biomass Reforming Coupled with Hydrogen Evolution on Cu_2O Artificial Leaf [Mat-109]

Yongping Gan, University of Zurich
D. Tilley*

Emerging Industrially Ready Bifunctional Imide Monomers for Sustainable High-Performance Materials: Beyond Bisphenols and PFAS [Mat-110]

Sara Greco, Valsynthese
M. Guggisberg, M. Falcone

Polymer Brushes via Controlled Surface-initiated Polymerization [Mat-111]

Suqiu Jiang, EPFL Lausanne
H. Klok*

Cutting-Edge XRD Approaches for Battery Materials Characterization [Mat-112]

Thessa Kehler, Rigaku
M. Grzywa

Earth-Abundant Metal Oxide Cocatalysts on BiVO_4 for Value-Added Photoelectrocatalytic Oxidation of Biomass-Derived Platform Chemicals [Mat-115]

Huong Le, University of Zurich
P. Adams, T. Moehl, J. Bühler, D. Tilley*

Understanding the role of Zr source in the mechanism of UiO-66 MOF nucleation and growth [Mat-116]

Ilia Likhachev, Paul Scherrer Institute
A. H. Clark, M. Nachtegaal, J. A. van Bokhoven, V. L. Sushkevich*

Greener Depolymerization of ATRP Polymethacrylates Using Reducing Agents [Mat-117]

Victoria Lohmann, ETH Zurich
M. Röser, D. Gartmann, A. Anastasaki*

Neutral Ligands, Distinct Zeta Potentials: Consequences for Hafnium Oxide Nanoparticles Biodistribution [Mat-118]

Elizaveta Maksimova, University of Basel
D. Wang, M. Stierli, N. Veljancic, O. Tagit, J. Huwyler, J. De Roo*

SchrapsTM: Circular Bioplastics from Rapeseed Presscake [Mat-119]

Guido Panzarasa, NeoChemurgy GmbH

PhyterTM: Bio-based Fire-Retardants from Rapeseed Presscake [Mat-120]

Guido Panzarasa, NeoChemurgy GmbH

Towards a Controlled Introduction of Oxygen Vacancy to Metal Oxides [Mat-121]

Anies Rösch, University of Basel
V. Wyss, A. I. Dinu, G. P. Wasser, C. G. Palivan*, M. F. Delley*

Challenging the Inertness of P–C Bonds: Reversible Phospha–Michael Chemistry in Dynamic Thermosets [Mat-122]

Arvinth Sekar, Empa
D. Fomasi, R. Reis, S. Dul, F. Al-Fayez, E. Perret, K. Groh*, S. Gaan*

Cs as a Probe to Elucidate the Nature of Specific Anchoring Sites on the Surface of Alumina Polymorph [Mat-123]

Charles Sidhoum, ETH Zurich
W. Cao, J. Lin, C. Copéret*

Thioimide-Based Polymers for Bridging Durability and Degradability [Mat-124]

Carolina Söll, ETH Zurich
M. W. Tibbitt*, S. Mommer*

Drug-carrier interactions in local antibiotic therapy with calcium sulphate: in situ timeresolved X-ray diffraction study [Mat-125]

Dan Stefanita, Empa
D. Terebenec, K. Tajbakhsh, R. Zboray, A. Dommann, P. Wahl, E. Gautier, A. Neels*

Synthesis of Stimuli-Responsive ABA Triblock Copolymer Hydrogels Utilizing Metal-Coordination [Mat-127]

Adam Woodhouse, EPFL Lausanne
H. Klok*

Elegant Strategies for Isolating Cis- and Trans-Isomers of Large π -Annulated N-Embedded Polycyclic Aromatics and Their Photocatalytic RAFT Applications [Mat-128]

Jian Zhang, University of Bern
H. Wang, V. Slama, S. Decurtins, U. Rothlisberger, Z. Cai*, S. Liu*

Interfacial Electric Field Regulation by 2D Au Mesh Interphase for Stable Zn Metal Anodes [Mat-129]
Yirong Zhao, University of Chemistry and Technology, Prague

**Medicinal Chemistry & Chemical Biology [MC]
Poster Session**

Stereochemical Control of Self-Assembly in EAK16 Peptides [MC-101]
Yasien Amer, University of Bern
J.-L. Reymond

Synthesis of GDB Derived Bicyclic Diamines as Scaffolds for Medicinal Chemistry [MC-102]
Giulia Baldoni, University of Bern
J.-L. Reymond*

What is a small self-cleaving ribozyme doing next to a DNA polymerase gene? [MC-103]
Antonia Bangnowski, University of Zurich
K. Dahlby-Kienbeck, S. Johannsen, R. K. O. Sigel*, S. Zelger-Paulus*

General Platform for Divergent Construction of Phosphorus-Modified DNA/RNA Backbones [MC-105]
Corentin Bon, University of Basel
A. Budeev, S. Dana, C. Spaar*

Antibacterial Activity of Novel Oncocin-Peptoid Hybrids [MC-106]
Jacopo Bucchioni, University of Bern
R. Rauscher

Molecular Mechanisms Underlying GPER Activation and Deactivation [MC-107]
samaneh davoudi, EPFL Lausanne
U. Rothlisberger, S. Davoudi*

Enzyme-Catalyzed Oxidative Degradation of Ergothioneine [MC-108]
Yasaman Fathali, University of Basel
E. Y. Nalivaiko, C. M. Vasseur, F. P. Seebeck*

Development of novel orthosteric-allosteric bitopic ligands to study adenosine A₁ receptors [MC-109]
Maren Flaßhoff, University of Bern
T. Sarvanathan, A. Pearce, U. Umunnakwe, G. Ladds, M. Lochner*

Synthesis of fluorescent ligands to study the adenosine A₁ receptors [MC-110]
Joël Gäggeler, University of Bern
M. Flaßhoff, A. Pearce, U. Umunnakwe, G. Ladds, M. Lochner*

Synthesis of PEG decorated amine functionalized Zn-CP and investigation of its capability for doxorubicin loading and controlled release [MC-111]
Samira Hossaini Alhashemi, Shiraz University of Medical Sciences
Z. Bakhoda, A. Dehshahri*

Democratizing collagen research: a cost-effective concept for the synthesis and biophysical studies of collagen model peptides [MC-112]
Michal Jaros, Masaryk University
T. Fiala*

Using Repurposed Metalloenzymes to Address Challenges in Organic Synthesis [MC-113]
Xinyuan Ji, University of Basel
D. Chen, X. Liu, X. Zhang*, T. R. Ward*

Towards a Modular Platform for Tissue/ Cell-specific Transfection: mRNA Transfection using Branched Peptides [MC-114]
Robin Knüsel, University of Bern
S. O. Yasmin, J.-L. Reymond*

Solid-Phase Peptide Macrocyclization based on Cycloaddition Reactions [MC-115]
Anastassia Kraimps, University of Zurich
F. Hartrampf, E. Jung, K. Gademann*

Stabilization or Refolding? – Identifying the role of an RNA-binding protein in ribozyme activity [MC-116]
Lennart Lindner, University of Zurich
R. K. O. Sigel*, S. Zelger-Paulus*

Combine and shine: Modular enzymatic and chemical approaches to generate site-specific labeled RNA for smFRET [MC-117]
Matteo Lisibach, University of Zurich
R. K. O. Sigel*, S. Zelger-Paulus *

Application of Peptide-Encoded Libraries of Small Molecules for the Discovery of Chemical Inducers of Proximity [MC-118]
Magoti Masota, ETH Zurich
N. Grob*

Harnessing PROTAC-mediated degradation to trigger cytosolic uncoating of an engineered nucleocapsid [MC-119]
Andrea Melgar Aguilar, EPFL Lausanne
Y. Touati, A. Steinauer*

Chemically Programmable Bacterial Probes for the Recognition of Cell Surface Proteins [MC-120]
Leila Motiei, Weizmann Institute of Science
D. Margulies

Rhodamine based biosensor for the investigation of labile iron [MC-121]
Agnese Nicoli, ETH Zurich
M. S. Frei*

High-Efficiency Photochemical Bioconjugation: Optimising Benzophenone and Introducing Novel Furan Architectures for Stable Radioimmunoconjugates [MC-122]
Eda Nisli, University of Zurich
J. P. Holland*

Charge-driven expansion of the RNA packaging of an engineered protein cage [MC-123]

Paula Oeser, EPFL Lausanne

G. Barnikol, A. E. Melgar Aguilar, S. Chafle, T. Jamolli, J. Huber, Z. D. Luleci, A. Steinauer*, R. Twarock*

Site-Selective β -Catenin Modification Using Peptides Bearing a Hypervalent Iodine Group as a Covalent Warhead [MC-124]

Lucie Orain, EPFL Lausanne

C. Marty, A. Haim, J. Waser*, T. Grossmann*

Coumarin-Based Fluorogenic Assay for Evaluating VAP-1 Activity *In Vitro* and *Ex Vivo* [MC-125]

Laura Poller, ETH Zurich

H. Wennemers*

Synthesis of Novel Polycyclic Diamine Scaffolds Derived from Tropinone [MC-126]

Austia Puckett, University of Bern

J.-L. Reymond*

Investigation on Nitrogenase Cooperativity Mechanism [MC-127]

Daniel Ratcliff, University of Geneva

W. Gu, R. D. Milton*

Addressing Long QT Syndrome with Ranolazine Analogs [MC-128]

Leon Rebhan, University of Bern

J.-L. Reymond*

Polymer-supported 2-aminobiphenyl as efficient NO_x Scavenger: Mechanistic Insights and Application in *N*-Nitrosamine mitigation via benzocinnoline formation [MC-129]

Esaïe Reusser, HEIA Fribourg

F. Marchetti, F. Gallou, R. Marti*

Design of a high-throughput screening system for the evolution of an artificial metathase [MC-131]

Elias Salvisberg, University of Basel

Z. Zou, T. R. Ward*

Integrating Synthetic Chemistry and AI-Guided Protein Design to Engineer Fluorogenic Probes [MC-132]

Craig Steven, University of Zurich

P. Rivera Fuentes*

Monitoring Tissue Remodeling via a Lysyl Oxidase-activatable Green Fluorescent Probe [MC-133]

Maša Stopinšek, ETH Zurich

H. Wennemers*

ESIPT Nano-Emitter to Probe Lysosome Biogenesis in Live Cells [MC-134]

Mishika Virmani, IISER Pune

M. Jayakannan*

Azomethine Imines and Isonitriles in Chemical Biology – Bioorthogonal Chemistry and the Controlled Synthesis of Heterocycles [MC-135]

Ian Warm, ETH Zurich

M. Biedermann, A. Markos, H. Wennemers*

**Organic Chemistry [OC]
Poster Session****Cobalt(III)-Catalyzed Synthesis of Chiral 1,2-Amino Alcohols by C–H Carboamidation [OC-101]**

Wilfrido Almaraz-Ortiz, EPFL Lausanne

N. Cramer*

Investigating Solvation Dynamics in Organic Reactions Using Machine Learning [OC-102]

Valerii Andreichev, University of Basel

M. Meuwly*

Asymmetric Ring-Expansion of Cyclopropyl Aldehydes via Peptide and Photoredox Catalysis [OC-103]

Nina Aregger, EPFL Lausanne

A. Faraone, A. Delgado, J. Waser*

Towards Sustainable Nickel-Catalysed Cross-Couplings Employing Organosodium Reagents [OC-104]

Andres Arribas, University of Bern, E. Hevia*

Photoreductive N–H aziridination of olefins with N-amino-acridinium salt: Synthesis and Mechanistic studies [OC-105]

Pownthurai Balasubramaniam, University of Geneva

A. Wallbregue, P. M. Lorenta, N. Saleh, J. Wegu, S. Kucher,

C. Elsner, C. Besnard, E. Bordignon, E. Vauthey, J. Lacour*

3,3-Biarylpropylamines: A Strain-Release Strategy for Direct Synthesis from Aryl cyclopropanes [OC-106]

Carlo Baldassari, EPFL Lausanne

J. Waser*

Enantioselective Alkene Difunctionalization with Group 14 Hydrides via Ni/Photoredox Catalysis [OC-107]

Debora Belmonte, University of Zurich

X. Du, O. Vyhivskyi, C. Nevado*

Supramolecular stabilization of π -radicals [OC-108]

Georg Berger, University of Zurich

H. C. Thiers, H. P. Peeters, M. Juríček*

Modular Synthesis of Rare *N*-Heterocycles by Nitrogen Atom Insertion into Allylic Nucleophiles [OC-111]

Yannick Brägger, ETH Zurich

E. Tufano, P. Gärtner, A. K. Paschke, M. C. Amberg,

L. Sorrentino, B. Morandi*

Pillar[5]arenes as platforms to access macrocycle-based ligands for selective transition-metal catalysis [OC-112]

Michele Buccio, University of Geneva, A. Konter, L. Vidal, C. Mazet*

Harnessing Micellar Stabilization to Access Air-Stable Palladium Hydrides: Unlocking Hydrogen-Driven Reactivity in Aqueous Buchwald–Hartwig Amination [OC-113]

Ramesh Choudhary, University of Missouri

K. Kaur, T. N. Ansari, A. H. Clark, A. Bugaev, M. Nachtegaal, F. Gallou, S. Handa*

Enantiospecific Synthesis of Planar Chiral Rhodium and Iridium Indenyl Complexes [OC-115]

Jason Denizot, EPFL Lausanne

N. Cramer*

Self-immolative and traceless linker for amino acids [OC-116]

Maël Djaïd, University of Fribourg

C. G. Bochet*

Electrochemical Degradation and Valorization of Persistent Organic Pollutants Enabled by Alternating Polarity [OC-117]

Patrick Domke, ETH Zurich

A. F. Garrido-Castro, B. Morandi*

Exploring the Chemoselectivity of Radicals [OC-118]

Anthony Fernandes, University of Bern

K. N. Houk, D. Katayev

The Fiala Lab: towards new proximity-driven reactions and self-assembling systems [OC-119]

Tomas Fiala, Masaryk University

Oxidative Dimerization of Diaza[4]helicenes [OC-120]

Wei Fu, University of Geneva

K. Ramakrishna, I. Hernández Delgado, R. Mucci, T. Funaioli, G. Bresciani, F. Zinna, G. Pescitelli, L. Di Bari, G. Hopfgartner, J. Lacour*

Macrocyclic Polymer Networks for Environmentally Friendly Separation of Lignocellulosic Biomass Derived Chemicals [OC-121]

Marc Gherardi, University of Fribourg

A. Coskun*, M. Studer*

C–H Functionalization-Enabled Total Synthesis of Cervinomycins C₁–C₄ [OC-122]

Pierre Gilbert, University of Basel

R. Lombardi, O. Baudoin*

Amide hydrogen exchange in oxytocin, measured by NMR spectroscopy [OC-123]

Lucija Glazer, ETH Zurich

F. Fankhauser, S. Riniker*, M. O. Ebert*

Mechanochemical Trifluoromethylation of Anilines and Amides: Synthesis of CF₃-Arenes [OC-124]

Viktor Iaroshenko, Matej Bel University

S. Mkrtchyan

Supramolecular Assembly of Bridged Triarylamine Derivatives [OC-125]

Weng Jeong, University of Geneva

M. Rickhaus*

Towards the Total Synthesis of Diseco Pregnane Steroids [OC-126]

Sven Jänner, University of Zurich

K. Gademann*

Chirality in Shape-assisted Self-Assemblies [OC-127]

Nils Jansen, University of Geneva

R. Jamagne, M. Rickhaus*

Exploring pi-pi communication through a metal centre in different organic systems [OC-128]

Owen Kanisius, University of Geneva

O. Domecq-Cazaux, M. Rickhaus*

The Control of Effective Concentration of Oxonium Ylide and Regioselectivity in [3+n+3+n] Macrocyclizations [OC-129]

Aleksandr Kazantsev, University of Geneva

J. Lacour*

Generative machine learning for catalyst design [OC-130]

Sarina Kopf, EPFL Lausanne

O. Vyhivskiy, A. Rodriguez Pedrouzo, L. Rabaud, J. Martin,

J. Schörgenhumer, C. Nevado*, P. Schwaller*

Electrophilic Bicyclo[1.1.0]butane Transfer [OC-131]

Najung Lee, EPFL Lausanne

W. Wu, P. Schoch, D. K. Brownsey, J. Kristek, M. D. Wodrich, J. Waser*

Non-oxidant photochemical fusion of Azulene-incorporated 1,3,6,8-Tetraazapyrene derivatives [OC-132]

Xinyi Liu, University of Bern

S. Majani, S. Decurtins, S. Liu*, U. Aschauer*

Alkali Metal Amides for Pyridine Amination [OC-133]

Leon Liu, University of Bern

S. Karnbrock, E. Hevia*

A Convergent Synthesis of Azabicyclo[4.1.1]octanes through the Formal Cycloaddition of Bicyclobutanes with 2-Azadienes. [OC-134]

Daphne Lucidarme, EPFL Lausanne

S. Nicolai, J. Waser*

From Rigid Molecular Crosses to “Molecular Chains”: Synthetic Strategy Towards Mechanically Interlocked [n] Catenane Polymers [OC-135]

Joelle Martin, University of Basel

M. Mayor*

Engineering Spin Systems with Fluorescent Phenalenyl Radicals [OC-138]

Marvin Metzelaars, University of Zurich

T. Tran Ngoc, T. Kohzuma, T. Kubo, M. Juríček*

Utilization of nanocellulose as a green reaction media for organic mechano-synthesis [OC-139]

Satenik Mkrtchyan, Matej Bel University
V. O. Iaroshenko

Multidimensional Tunneling in Organic Synthesis at Room Temperatures [OC-140]

Debaarjun Mukherjee, ETH Zurich
K. D. Petryczkiewicz, J. O. Richardson*

Tailoring the Electronic Properties of 1,6,7,12-Tetraazaperylene Through Cascade Halogenation [OC-141]

Camila Negrete Vergara, University of Bern
N. Leuthold, S. Langenegger, S. Decurtins, S. X. Liu*

From Small Machines to Complex Assemblies [OC-142]

Enzo Olivieri, University of Basel

Total synthesis of a jatropha diterpenoid [OC-143]

Steve Park, ETH Zurich
E. M. Carreira*

Photochromic molecular cages switchable with red light in water [OC-144]

Zbigniew Pianowski, KIT Karlsruhe
V. Schäfer, A. Seliwjorstow, O. Fuhr, Z. L. Pianowski*

Electrochemical synthesis of isoxazole derivatives [OC-145]

Giulia Pompilio, University of Bern
J. Dey, D. Katayev*

Access to 1,5-dienes through Pd-catalyzed regio- and enantioselective allylation of cyclic allylboronates [OC-146]

Roman Popov, University of Geneva
C. Zhang, B. Leforestier*, C. Mazet*

A Traceless Tag for proteins delivery through TMU [OC-147]

Xudong Ren, University of Geneva
S. Matile*

Photocatalytic Cleavage and Enantioselective Arylation of Lignin β -O-4 models via Ni/Photoredox Catalysis [OC-148]

Loélie Ribadeau-Dumas, University of Zurich
X. Hu, C. Nevado*

6,6'-Dihalogenoindigos – A Maturarbeit growing bigger and bigger [OC-149]

Nathalie Rosser, University of Zurich
R. M. Oetterli*

Phenalenyl π -Radical Cascades for Oligomerization [OC-151]

Noah Rychener, University of Zurich
M. Juriček*

Tunable water-soluble TADF probes for oxygen sensing [OC-152]

Greta Sandri, University of Fribourg
A. Ruggi*

Towards the Total Synthesis of Sporalactam B [OC-153]

Marco Schellenberg, University of Zurich
K. Gademann*

Electric-Field Catalysis of Diels-Alder Reactions [OC-154]

Bingru Shao, University of Geneva
S. Guo, M. Paraja, Q. Zhang, N. Sakai*, S. Matile*

Design of Chiral Frustrated Lewis Pair Catalysts for Metal-Free Asymmetric Hydrogenation of Ketones [OC-155]

Nikolai Shcherbakov, ETH Zurich
J. Mas-Roselló*

Dynamic Atropisomerism and chiroptical properties of halogenated hemicyanines made of dioxo[6]helicene enamine conjugates [OC-156]

Sheetal Sheetal, University of Geneva
C. Besnard, G. Pescitelli, J. Lacour*

Facile Synthesis of Peropyrene and Perylene Architectures [OC-157]

Eric Sidler, University of Zurich
J. Borstelmann, P. Mathey, M. Juriček*

Diverse Library of Chiral Buchwald-Type Biaryl Monophosphine Ligands, Accessed via Ir-catalysed Atroposelective C–H Arylation: Synthesis and Applications in Asymmetric Catalysis [OC-158]

Vitalii Smal, EPFL Lausanne
A. Vorobei, N. Cramer*

Alcohol-Directed Carboamination of Conjugated Enynes [OC-159]

Helena Solé-Àvila, EPFL Lausanne
D. K. Brownsey, H. Senelle, J. Waser*

Chiral Imidazo[1,5-*a*]pyridine-Based Ligands for the Au-Catalyzed Enantioselective Intramolecular Hydrocarboxylation of Allenes [OC-160]

Chloé Stoll, University of Geneva
C. Besnard, C. Mazet*

Towards the Total Synthesis of Psiguajadial B [OC-161]

David Sutherland, University of Zurich
G. A. Chesnokov, K. Gademann*

Sodium-mediated C–H polyborylation of non-activated arenes and metallocenes [OC-162]

Clarence Tan, University of Bern
E. Hevia*

Reductively Triggered Diels-Alder Reaction Catalyzed by 1,3,2-Diazaphospholenes [OC-163]

Anastasiia Vorobei, EPFL Lausanne
N. Cramer*

Electrophilic Bicyclobutane Transfer [OC-164]

Wei Wu, EPFL Lausanne
N. Lee, P. Schoch, D. K. Brownsey, J. Kristek, M. D. Wodrich, J. Waser*

Triplet Energy Transfer-Mediated Intermolecular Paternò–Büchi Reaction for the Synthesis of Trifluoromethylated Oxetanes [OC-165]

Yining Zhu, University of Bern

A. J. Fernandes, E. Zhilin, D. Katayev*

Physical Chemistry [PC] Poster Session

From Atomic Precision to Neuromorphic Computing: Ag_{11} and Ag_{12} Cluster-Based 2D Frameworks [PC-101]

Noohul Alam, University of Geneva

T. Rahaman, C. Besnard, A. Rosspeintner, S. J. Ray, N. Alam*, T. Bürgi*

Nonadiabatic effects in spectroscopy [PC-102]

Kasra Asnaashari, ETH Zurich

J. O. Richardson

Elucidation of volatile Po species formed in liquid-metal-cooled nuclear reactors [PC-103]

Marius Balizs, ETH Zurich

J. Neuhausen, D. Herrmann, P. Steinegger*

Cyclotron production of ^{44}Ti and gas-phase separation from bulk Sc in the context of $^{44}\text{Ti}/^{44}\text{Sc}$ generator system [PC-104]

Francesco Barattini, Paul Scherrer Institute

H. Zhang, R. Eichler, Z. Talip

Mind the spectral gap: Extending ultrafast spectroscopy to the deep ultraviolet with stretched hollow-core fiber technology [PC-105]

Kyle Barlow, University of Basel

P. J. Brongers, D. Satpathy, C. Brahms, M. Oppermann*

Controlling Fe(II) spin-crossover dynamics through stereoselective ion pairing [PC-106]

Tania Beringer, University of Basel

P. J. Brongers, J. Lacour, M. Oppermann*

Deciphering the Structure of H_2 Evolution Cobaloxime Photocatalysts with Multiconfiguration Calculations of Pre-Edge XAS [PC-107]

Abhimanyu Bharade, Paul Scherrer Institut

V. Artero, A. Guda, M. Delcey, M. Nachttegaal, G. Smolentsev*

A Rydberg-Stark single-beam approach to study the $\text{H}_2^+ + \text{H}_2 \rightarrow \text{H}_3^+ + \text{H}$ reaction [PC-108]

Jakob Braun, ETH Zurich

R. Hahn, E. W. Wassmer, J. A. Agner, H. Schmutz, F. Merkt*

Photo-induced dynamics in liquid crystal chromophores investigated by UV-Vis femtosecond spectroscopy [PC-109]

Prantic Debnath, University of Bern

M. Murillo-Sanchez, N. Natalia, S. Sobolev, G. Prampolini, L. Cattaneo, A. Cannizzo

Vibrationally Nonadiabatic Dynamics of (Floppy) Molecules in Liquid Environments [PC-110]

Hannes Hoppe, ETH Zurich

J. O. Richardson, U. Manthe

Accumulated Styrene Oligomers Suppress Divalent Cation Transport across Lipid Membranes Probed by Label-Free Second Harmonic Imaging [PC-111]

Md Muhaiminul Islam, EPFL Lausanne

Z. Li, S. Roke*

Isotopic chirality, parity violation and structure of dichloro-fluorophosphane from the analysis of high-resolution spectra and *ab initio* theory [PC-112]

Karen Keppler, ETH Zurich

G. Wichmann, V. Horká-Zelenková, M. Perrino, S. Albert,

A. Sieben, J. Stohner, M. Quack*

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