

## CHanalysis

The Division Analytical Sciences of the Swiss Chemical Society (SCG/DAS) is organizing CHanalysis, a meeting of Swiss analytical scientists. You are cordially invited to participate in the next meeting on 10-12 April 2024.

The goal of this two-day conference series is to stimulate a stronger interaction among persons working in different areas of analytical sciences. Scientists from applied and fundamental research, from industry, education, and regulation are welcome.

## Topics

- Analytical Instrumentation
- Micro/Nano Sampling
- Environmental Methods
- On-line Processes for QA/QC
- Data and Digitalization
- Omics
- Isotopic Fingerprint
- METAS Award

## Deadlines and Dates

|                            |                      |
|----------------------------|----------------------|
| Submission of abstracts    | by March 10, 2024    |
| Notification of acceptance | March 18, 2024       |
| Registration               | until March 18, 2024 |
| Meeting                    | April 10-12, 2024    |

## Supporters and Sponsors



Please contact Céline Wittwer (wittwer@scg.ch) if you are interested in a collaboration as supporter or sponsor.

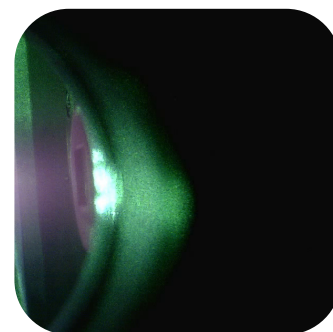
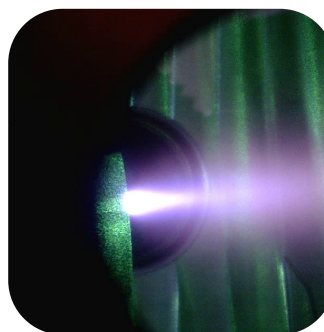
[www.cha24.scg.ch](http://www.cha24.scg.ch)

8<sup>th</sup> Meeting of Swiss Analytical Scientists

# CHanalysis 2024

April 10-12, 2024  
Dorint Hotel Beatenberg

Organized by the Division Analytical Sciences  
of the Swiss Chemical Society



© Picture: S. Rameshbabu, Empa

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**SCS**  
Swiss Chemical  
Society  
**Division of  
Analytical Sciences**

## Participation Fees and Registration

|                                   |         |
|-----------------------------------|---------|
| Regular participants, single room | CHF 500 |
| Regular participants, double room | CHF 250 |

The registration fee covers the cost of accommodation and meals, including a social dinner. Room reservations are handled by the conference office.

## Poster Session and Contributed Talks

Please register and submit your abstract via the website. Posters covering any topics in analytical sciences are welcome. The organizers will select abstracts for contributed oral presentations.

## Conference Location

Dorint Hotel, Hubel 114, 3803 Beatenberg  
[hotel-interlaken.dorint.com](http://hotel-interlaken.dorint.com)

## Organizing Committee

- Dr. Davide Bleiner, Empa, Dübendorf
- Dr. Hanspeter Andres, METAS

## Conference Office

Swiss Chemical Society (SCS), 3008 Bern  
Email: [info@scg.ch](mailto:info@scg.ch)

## Scientific Program

### Wednesday, April 10, 2024

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- 18.00 Welcome Aperó
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- 18.45 Welcome & Opening by the DAS President  
*Davide Bleiner*, President DAS
- 19.00 *Jacob Shelley*, Rensselaer Polytechnic Institute  
«Use of Acoustic Fields to Gate, Focus, and Separate Ions at Atmospheric Pressure»
- 19.45 Dinner & Get-together
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### Thursday, April 11, 2024

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- 09.00 *Christoph Meyer*, Lonza  
«The Commercialization of Cell and Gene Therapies – a Perspective from the Analytical Quality Control function»

- 09.25 *Christoph Jansen*, Metrohm  
«Evolving Vibrational Spectroscopy  
From scientific curiosity to outstanding routine analysis applications»
- 
- 09.50 Contributed Lectures  
*Chan Cao*, University of Geneva  
«Single-molecule discrimination of different types of glycosaminoglycans by nanopore sensing»  
*Mihai-Ovidiu Degeratu*, Eawag  
«Proteomics profiling questions morphological classification of zebrafish cell line»
- 
- 10.30 Coffee Break
- 
- 11.00 *Hanspeter Andres*, METAS  
«Chemical and biological references at the Federal Institute of Metrology METAS»
- 
- 11.30 *Andrea Rösch*, Agroscope  
«A multi-residue method for trace analysis of pesticides in soil with special emphasis on rigorous quality control»
- 12.00 Contributed Lectures  
*Naresh Kumar*, ETZ Zurich  
«Mechanistic Insights in Oxygen Activation on Bulk Au(111) Surface Using Tip-Enhanced»  
*Sharath Rameshbabu*, Empa  
«Strategies for the characterization of epitaxial thin films as Röntgen Materials»
- 12.40 Lunch Break
- 14.00 *Jens Jacobsen*, Waters  
«Markers and Methods for the Identification of Recycled Polymeric Materials»
- 
- 14.30 Contributed Lectures  
*Gabriel Jungetti*, University of Geneva  
«Integrated electrochemical systems for enzyme-linked immunoassays»  
*Nikolai Tiuftiakov*, University of Geneva  
«Exploring the Limits of Ionic Liquid Reference Electrodes»  
*Robin Nussbaum*, University of Geneva  
«Improving the Sensitivity of pH Glass Electrodes with an Alternative Readout»
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- 15.30 Coffee Break
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- 16.00 Poster pitches
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- 17.30 Poster Session
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- 19.00 Dinner & Get-together
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**Friday, April 12, 2024**

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- 09.00 *Götz Schlotterbeck*, Institute of Legal Medicine Basel  
«Analytical Chemistry in Forensic Chemistry and Toxicology at the Institute of Legal Medicine Basel (IRM Basel)»
- 09.30 Contributed Lectures  
*Andres Kordikowski*, Novartis  
«To Humidity and Beyond»  
*Fabian Weyand*, Empa  
«Electrochemical Sensing coupled to Liquid-Liquid Phase Extraction using Hydrophobic Deep Eutectic Solvents»  
*Jawad Alzeer*, University of Zurich  
«Exploring the Complexity of Entropy: Harmonizing Disorder and Energy Dynamics»
- 
- 10.30 Coffee Break
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- 11.00 *Rok Roskar*, Swiss Data Science Center  
«Collaborative Data Science at the Swiss Data Science Center»
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- 11.50 Contributed Lectures  
*Oscar Mendo Diaz*, Empa  
«Levels of Short-Chain Chlorinated Paraffins in Consumer Products of the Swiss Market: From a Semi-Quantitative Approach to Specific C- and Cl-Homologue Quantification»  
*Diana Roos*, METAS  
«METAS: the new WMO-GAW Central Calibration Laboratory for halogenated VOCs»
- 12.30 Lunch Break
- 13.45 Panel Discussion “Analytical Reliability”
- 14.30 Awards and Closing Remarks
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- 15.00 End of Meeting
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