

# SCS Fall Meeting 2022

September 8, 2022 – 08.30-18.30h  
Irchel Campus, University of Zurich

## Analytical Sciences – G95



### Morning Session, Chair: Dr. Ksenia Groh

- 10:45 Relevance of solid forms and its implication on the performance of pharmaceutical drug products [AS-011]  
Arnaud Grandeury, Novartis Pharma AG
- 11:15 Aptapaper – An aptamer-based glass fiber paper platform for rapid upconcentration and detection of small molecules [AS-013]  
Sandra Martínez-Jarquín, ETH Zurich
- 11:30 Temperature-Controlled Electrospray: A Window into Solution Thermochemistry of Non-Canonical Nucleic Acid Complexes [AS-014]  
Adam Pruška, ETH Zurich
- 11:45 Advancing Cyclic Ion Mobility Mass Spectrometry Methods for Studying Biomolecules: Towards the Analysis of Mega Dalton Protein Aggregates [AS-015]  
Julian Harrison, ETH Zurich
- 12:00 Quantification of endotoxins in bacterial bioreactor samples and correlation of the endotoxin content to optical density and dry cell weight [AS-016]  
Anika Hoffmann, HES-SO Valais-Wallis
- 12:15 Combining Activity Profiling with Advanced Annotation to Accelerate the Discovery of Natural Products Targeting Oncogenic Signaling in Melanoma [AS-017]  
Eliane Garo, University of Basel

### Afternoon Session, Chair: Dr. Hanspeter Andres

- 14:30 Does digitalization in R&D slow down innovation and take away flexibility? What is the risk of ignoring the benefits of digitalization? [AS-021]  
Christoph Jansen, Mettler Toledo GmbH
- 15:00 Influence of Chlorinating Agents on the Formation of Stable Biomarkers in Hair for the Retrospective Verification of Exposure [AS-023]  
Severin Martz, University of Fribourg
- 15:15 Rapid Spectroscopic Detection of Volatile Organic Compounds With Widely Electrically Tuneable Quantum-Cascade Lasers [AS-024]  
Miloš Selaković, Empa
- 15:30 Visualizing Surface Phase Separation in PS-PMMA Polymer Blends at the Nanoscale using Tip-Enhanced Raman Spectroscopy [AS-025]  
Dušan Mrđenović, ETH Zurich
- 15:45 Pure Isotropic Proton Solid State NMR [AS-026]  
Bruno Simões de Almeida, EPFL Lausanne
- 16:00 Compressed Sensing for Rapid Signal Retrieval in X-ray Absorption Spectroscopy [AS-027]  
Yousuf Hemani, EMPA



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