

# SCS Fall Meeting 2022

September 8, 2022 – 08.30-18.30h

Irchel Campus, University of Zurich

## Physical Chemistry – G40



### Morning Session, Chair: Prof. Thomas Bürgi

- 10:45 UV photoelectron spectroscopy of aqueous solutions [PC-011]  
Helen H. Fielding, University College London
- 11:15 Conformationally-selected ions for Reactions with Conformationally-selected Molecules [PC-013]  
Jutta Toscano, University of Basel
- 11:30 Low-frequency anharmonic Couplings in Bromoform revealed from 2D Raman-THz spectroscopy: From the liquid to the crystalline Phase [PC-014]  
Seyyed Jabbar Mousavi, University of Zurich
- 11:45 Chiral Control of Spin-Crossover Dynamics in Fe(II) Complexes [PC-015]  
Malte Oppermann, EPFL Lausanne
- 12:00 Source Suppression and Spin Dynamics in hyperpolarized Liquid state NMR Spectroscopy by optically polarized Crystals [PC-016]  
Federico De Biasi, EPFL Lausanne
- 12:15 Paramagnetic Properties of Neutral Sodium Doped Solvent Clusters [PC-017]  
Dominique Borgeaud, ETH Zurich

### Afternoon Session, Chair: Prof. Cornelia Palivan

- 14:30 Climeworks – from ETH start up to the world's leading direct air capture company [PC-021]  
Cornelius Gropp, Climeworks
- 15:00 Solid-State Synthesis of cyclo Leu-Leu: The role of Packing [PC-023]  
Ariel Francis Perez Mellor, University of Geneva
- 15:15 The Travels of Hydrogen over the Catalyst Surface [PC-024]  
Arik Beck, ETH Zurich
- 15:30 Flash heating Water through no Man's Land — Structural Evolution and Crystallization Kinetics [PC-025]  
Constantin Richard Krüger, EPFL
- 15:45 EPR Investigation of Metal oxide Catalysts: Ferromagnetic Behaviour induced by Oxygen Vacancies [PC-026]  
Mikhail Agrachev, ETH Zurich
- 16:00 At the Cutting Edge – NMR Studies Reveal Distinct Reactivities of Specific Edge Sites on Needle-Shaped  $\gamma$ -Al<sub>2</sub>O<sub>3</sub> Nanocrystals Toward Pt(II) Precursors [PC-027]  
Laura Alicia Völker, ETH Zurich



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