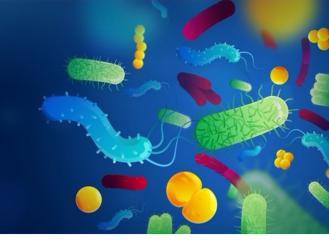


SCS Fall Meeting 2022

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



Chemistry and the Einvironmental – F32



Morning	Session.	Chair: Dr.	Isabelle	Worms
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- 10:45 Oxidation processes for micropollutant abatement: An Eldorado for environmental chemists [EV-011] Urs von Gunten, Eawag, Dübendorf
- 11:15 Combination of advanced analytical tools with toxicological assays promote the understanding of transformation reactions occurring during wastewater ozonation [EV-013]

 Tarek Manasfi, Eawag, Dübendorf
- 11:30 Laboratory validation of a laser absorption spectrometer for balloon-borne measurements of upper air water vapor [EV-014]
 Simone Brunamonti, Empa, Dübendorf
- 11:45 In situ quantification of Cobalt and Nickel in natural waters using innovative chemical sensors [EV-015]
 Nicolas Layglon, University of Geneva
- 12:00 Acidity of expiratory aerosols controls the infectivity of airborne influenza virus and SARS-CoV-2 [EV-016]
 Aline Schaub, EPFL Lausanne
- 12:15 Adsorption and transport of water-soluble, biodegradable polymers in soils: Process elucidation using experimental model systems [EV-017]
 Kevin Kleemann, ETH Zurich

Afternoon Session, Chair: Dr. Thomas Bucheli

- 14:30 Green Processes of the Future Sustainability along the value chain [EV-021] Christian Schäfer, DSM Nutritional Products Ltd.
- 15:00 Investigating the Applicability of Laboratory derived Toxicokinetics to the Field [EV-023] Benedikt Lauper, Eawag
- 15:15 Organ-specific biotransformation in salmonids: insight into enzyme kinetics and micro-pollutant clearance [EV-024]

 Marco Franco, Eawag
- 15:30 enviRule: An End-to-end System for Automatic Extraction of Reaction Patterns from Environmental Contaminant Biotransformation Pathways [EV-025]
 Kunyang Zhang, University of Zurich
- 15:45 Development and scale-up of bio-based solvents by carbohydrate functionalization [EV-026] Anastasiia Komarova, EPFL Lausanne
- 16:00 Decentralized solar ammonia: performance targets for environmental and economic benefits [EV-027]
 Sebastiano D'Angelo, ETH Zurich





