4th ETH Zurich – The University of Tokyo Strategic Partnership Symposium: Innovations in Chemical Biology

17 February 2020
ETH Zurich Campus Hönggerberg
Zurich, Switzerland
HCI Building, Room J 498

Program
Directions to room HCI J 498:
Enter the HCI building at the door marked below, take the elevator to floor J and locate room 498 on the map besides the elevator.
Symposium Program

08:45-09:00 Opening Remarks (Room HCI J 498)

Jörn Piel (ETH Zurich, Department of Biology)
Hiroaki Suga (UTokyo, Department of Chemistry)

Session 1: Chemical and Biological Synthesis

9:00-9:25 Alexander Vinogradov (Suga group)
FIT-Laz: a platform for thiopeptide engineering

9:25-9:50 Kevin Neuman (Bode group)
Cyanoylides for Chemical Biology

09:50-10:15 Cathleen Zeymer (Hilvert group)
Engineering Lanthanide-Dependent Artificial Metalloenzymes

10:15-10:40 Athina Anastasaki
Tailoring Molecular Weight Distribution by Controlled Radical Polymerization

10:40-11:10 Coffee Break

Session 2: Structural Dynamics of Peptides and Peptomimetics

11:10-11:35 Jumpei Morimoto (Sando group)
Oligo(N-Substituted Alanine): A Peptoid with Defined Shape in Water

11:35-12:00 Thomas Stadelmann (Riniker group)
Using Molecular Dynamics and Nuclear Magnetic Resonance to Investigate Cyclic Peptides in Solution

12:00-13:15 Lunch and group photo

Session 3: Chemical Approaches to Understand Biological Processes

13:15-13:40 Yusuke Nasu (Campbell group)
Development of Genetically Encoded Fluorescent Indicator

13:40-14:05 Mizuki Endo (Ozawa group)
Optical Modulation of Membrane Protein Function in Living Samples

14:05-14:30 Franziska Hemmerling (Piel group)
A Cryptic, Chemically Rich Sponge Symbiont Identified by Single-Cell Methods

14:30-14:55 Matthew Aronoff (Wennemers group)
A Chemical Approach to Visualise Collagen Remodeling

14:55-15:20 Takeo Suzuki (Suzuki group)
Biogenesis and Regulation of tRNA Modifications Associated with Human Diseases

Closing remarks
Serina Riniker (ETH Zurich, Department of Chemistry)

16:00-18:00 LOC Seminar by Andrei Yudin (University of Toronto)

18:30 Conference Dinner