

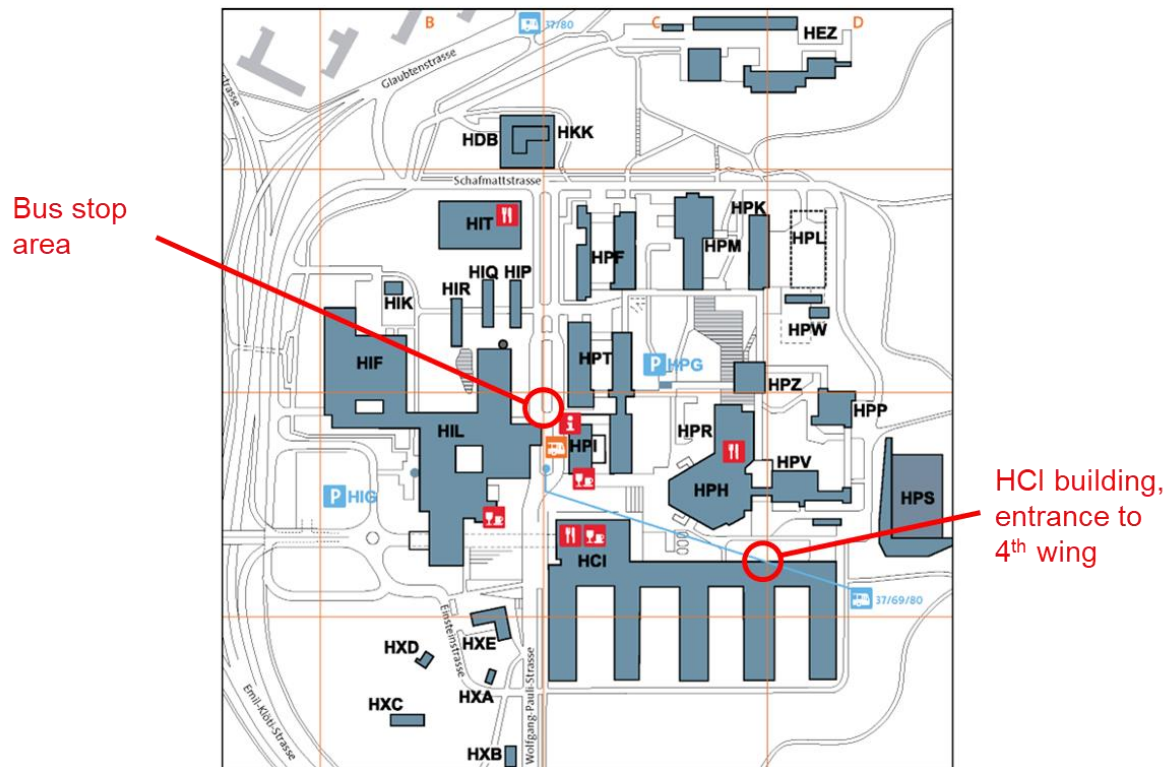


**4th ETH Zurich –
The University of Tokyo
Strategic Partnership
Symposium:
Innovations in Chemical Biology**

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

Program

ETH Hönggerberg Campus Map



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 [Junpei 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