

The SPIRITS International Symposium -Shaping Self-Assembled Mesoscale (Bio)Materials with Microengineering-

6th/February/2020 (Thu)

@iCeMS Main Building Seminar Room, Kyoto University

Program

9:20-9:30: Opening Remarks, Shuhei Furukawa

Chairpersons: Ivy Tsang, Daishi Fujita

9:30-10:00: Paolo Falcaro (TU Graz, Austria)

Porous materials for the encapsulation, protection and release of active biomacromolecules

10:00-10:30: Satoshi Horike (iCeMS Kyoto Univ., Japan)

Ion-conductive Metal-Organic Framework Glasses

10:30-11:00: Salvador Pané (ETH, Switzerland)

3D Complex Metal-Organic Microarchitectures

11:00-11:30: Francesco Carraro (TU Graz, Austria)

ZIF based biocomposites: control of ZIF topology and of particle size

11:30-13:00: Lunch

Chairpersons: Tomoko Inose, Ken-ichi Otake

13:00-13:30: Aiko Fukazawa (iCeMS Kyoto Univ., Japan)

Renaissance of nonbenzenoid π -conjugated systems toward functional materials

13:30-14:00: Nobuhiro Yanai (Kyushu Univ., Japan)

Functional chemistry of triplet state

14:00-14:30: Josep Puigmarti-Luis (ETH, Switzerland)

Sub-20 nanometer Covalent Organic Frameworks in water

14:30-15:00: Waka Nakanishi (NIMS, Japan)

Self-assembly of flexible molecules at interfaces

15:00-15:30: Coffee Break

Chairpersons: Ken-ichiro Kamei, Frederik Haase

15:30-16:00: Hirofumi Shintaku (RIKEN, Japan)

On-chip electrokinetics dissects subcellular gene expression

16:00-16:30: Hiroshi Uji-i (iCeMS, Kyoto Univ., Japan)

Plasmonic Endoscopy for single cell interrogation

16:30-17:00: Ryou Kubota (Kyoto Univ., Japan)

Adaptive supramolecular double network hydrogels formed by self-sorting self-assembly

17:00-17:30: Yuta Suzuki (Kyoto Univ., Japan)

Chemical design of protein self-assembly toward functional biomaterials

17:30-17:40: Closing Remarks, Ken-ichiro Kamei