The 25th iCeMS International Symposium Self-Assembly Science for Unlocking Life's Secrets

January 11-12, 2024

Kyoto University iCeMS Main Bldg 2F Seminar Room

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Self-assembly of actin cytoskeletal dynamics in artificial cells



Taki Nishimura (JST PRESTO / Grad Sch of Med, U of Tokyo) Deciphering the Secret Code Hidden in the ATG3 Amphipathic α -Helix



Yuki Hattori (Grad Sch of Med, Nagoya U) Microglial colonization and roles in early brain development



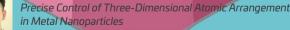
Mao Fukuyama (IMRAM, Tohoku U) Quantitative analysis of amyloid nucleation in protein condensates



Tomoko Inose (iCeMS / Hakubi C, Kyoto U / JST PRESTO) Plasmon-based nanowire endoscopy toward single live-cell interrogation



Yoshiaki Shoji (CLS, IIS, Tokyo Inst of Tech) Development of Functional Organoboron Compounds Based on a Concept "Boron Vacant-Orbital Engineering"



Akira Kakugo (Grad Sch of Sci, Kyoto U) Dynamics and Functions of Biomolecular Motor based Active-Matter

Miho Yanagisawa (U of Tokyo) Cell-size confinement alters self-assembly of macromolecules: The secret of cell size

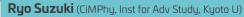
Sooyeon Kim (iCeMS, Kyoto U) Ultrasensitive bioanalyses based on single-molecule microscopic imaging

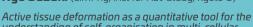
Kosuke Okeyoshi (Japan Adv Inst of Sci and Tech) Polymeric sol-gel designs inspired by phase transition in living systems

Yukako Oda (Center for iPS Cell Res and Appl, Kyoto U) Discovery of anti-inflammatory physiological peptides that assemble cell–cell adhesion factors

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Force balance and self-assembly: key concepts in organelle shaping





understanding of self-organisation in multi-cellula organisms - Development and disease -



Yuta Suzuki (iCeMS / JST PRESTO)

Rational Design of Functional Protein Assembly Toward the Creation of Bionanorobots

For more details on iCeMS website:







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Institute for Integrated Cell-Material Sciences of Kyoto University





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