

IPR Seminar, OSAKA UNIVERSITY

Japan-Korea Bilateral Symposium on Multi-Scale Structural Life Science and the Advanced Technologies

Date : Mar 15, 2019

Venue : Lecture hall, Institute for Protein Research, Osaka University

- 9:20** Opening remarks Atsushi Nakagawa (IPR, Osaka Univ.)
- 9:30** Databases and Web services of PDBj for Electron microscopy
Takeshi Kawabata (IPR, Osaka Univ.)
- 10:00** The complex formation and drug efflux mechanism of MexAB–OprM multidrug efflux pump from *Pseudomonas aeruginosa* Kenta Tsutsumi (IPR, Osaka Univ.)
- 10:30** (Coffee Break)
- 10:50** Theme and variations in anti-CRISPR proteins
Jeong-Yong Suh (Dept. Agric. Biotech., Seoul Natl. Univ.)
- 11:20** Cas9 interacts with CRISPR adaptation module via Csn2
Euiyoung Bae (Dept. Agric. Biotech., Seoul Natl. Univ.)
- 11:50** Optical activation and measurement of heat in multi-scale biological systems
Madoka Suzuki (IPR, Osaka Univ.)
- 12:20** (Lunch Break)
- 13:50** AI-2 mediated quorum sensing is linked to sugar metabolism via HPr
Kyoung-Seok Ryu (Korea Basic Sci. Inst.)
- 14:20** Biological significance of the oscillatory dynamics of NF- κ B for target gene expression
Minami Ando (IPR, Osaka Univ.)
- 14:50** NMR investigation of protein, peptide, and RNA structures
Nak-Kyoon Kim (Korea Inst. Sci. Tech.)
- 15:20** (Coffee Break)
- 15:50** NMR method developments to study intrinsically disordered proteins in solution
Jung Ho Lee (Dept. Chem., Seoul Natl. Univ.)
- 16:20** Amyloid formation under complexity with coexisting β 2-microglobulin and its proteolytic fragments
Masatomo So (IPR, Osaka Univ.)
- 16:50** Impacts of biological factors on alpha-synuclein aggregation
Young-Ho Lee (Korea Basic Sci. Inst.; Univ. Sci. Tech.)
- 17:20** Hybrid structural analysis of β 2-microglobulin amyloid fibril from amyloidosis patient using solid-state NMR and cryo-EM
Yoh Matsuki (IPR, Osaka Univ.)
- 17:50** Closing remarks Bong-Jing Lee (Col. Pharm., Seoul Natl. Univ.)
- 18:00** (Banquet)