

Japan-Korea Bilateral Symposium on Multi-Scale Structural Biology

Date : Dec 22, 2016 Venue : Lecture hall, Institute for Protein Research, Osaka University

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|-------|-------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| 9:10 | Opening | Haruki Nakamura(Osaka Univ.) |
| 9:15 | Allosteric inhibition of plexin B1 by a macrocyclic peptide, PB1m6 | Yukiko Matsunaga (Osaka Univ.) |
| 9:40 | Structural insights into the subtype-specific IP3-binding mechanism of the IP3 receptor | Min-Duk Seo (Ajou Univ.) |
| 10:05 | Uncovering Rab-mediated membrane tethering in eukaryotic membrane traffic by a chemically defined reconstitution system | Joji Mima (Osaka Univ.) |
| 10:30 | (Coffee Break) | |
| 10:50 | Nano-bio-hybrids made of alpha-synuclein and gold nanoparticles/carbon nanotubes and their applications | Seung R. Paik (Seoul National Univ.) |
| 11:15 | New findings on thermodynamic properties of disease-inducing protein aggregation | Young-Ho Lee (Osaka Univ.) |
| 11:40 | Two distinct mechanisms of transcriptional regulation by the redox-sensor YodB | Sang Jae Lee (Seoul National Univ.) |
| 12:05 | (Lunch Break) | |
| 13:30 | Free-energy landscape of protein folding and docking: intrinsically disordered protein | Junichi Higo (Osaka Univ.) |
| 13:55 | Protein structure prediction, docking, and refinement | Chaok Seok (Seoul National Univ.) |
| 14:20 | Mathematical modeling for quantitative understanding of cellular network | Mariko Okada (Osaka Univ.) |
| 14:45 | Identification of fragment molecules for development of inhibitors against kinase and protein-protein interaction | Hee-Chul Ahn (Dongguk Univ.) |
| 15:10 | Ceremony for Osaka Univ Global Alumni Fellow | Shinsuke Yamanaka (Osaka Univ.) |
| | (Coffee Break) | |
| 15:45 | NMR analysis using Deep Learning and NMR Database | Naohiro Kobayashi (Osaka Univ.) |
| 16:10 | Synthesis of modified histone proteins by CPE ligation | Toru Kawakami (Osaka Univ.) |
| 16:35 | Non-canonical DNA binding mode of repressor and its disassembly by antirepressor | Hyung Ho Lee (Seoul National Univ.) |
| 17:00 | Crystal structures of OprN and OprJ, the outer membrane factors of multidrug efflux systems of Pseudomonas aeruginosa | Eiki Yamashita (Osaka Univ.) |
| 17:25 | Structural investigation of auxin-response transcriptional control in plants | Jeong-Yong Suh (Seoul National Univ.) |
| 17:50 | Concluding remarks | Bong-Jin Lee (Seoul National Univ.) |
| 18:00 | (Mixer) | |

【Organizers】

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