

PROGRAM

Saturday, January 11, 2014

9:20-9:30 Opening

Chair: Shuichi Hiraoka

9:30-10:00 L01 **Koichi Kato** (NINS)
“Exploration of micro-macro relationships in dynamic ordering
of biomolecular systems and their underlying design principles”

10:00-10:30 L02 **Takahiro Hohsaka** (JAIST)
“Incorporation of nonnatural amino acids into proteins and
its application to regulation and analysis of proteins”

10:30-10:50 Coffee break

Chair: Takahiro Hohsaka

10:50-11:20 L03 **Naoyuki Inagaki** (NAIST)
“Signal-force transduction in axon outgrowth and guidance”

11:20-12:00 L04 **Jim Bamburg** (Colorado State Univ, USA)
“ADF/COFILIN proteins: dynamic regulators of actin function in
health and disease”

12:00 Group Photo

12:00-13:30 Lunch

13:30-14:30 Poster Session 1 (odd numbers)

Chair: Naoyuki Inagaki

14:30-15:10 L05 **Kari Rissanen** (University of Jyväskylä, Finland)
“Molecular self-assembly to functional nanomolecules and
Nano-objects”

15:10-15:40 L06 **Sota Sato** (Tohoku University)
“Development of dynamical ordering of artificial molecules by
mimicking biomolecular systems”

15:40-16:10 L07 **Shuichi Hiraoka** (The University of Tokyo)
“Experimental investigation of the formation mechanism of a
self-assembled coordination capsule”

16:10-16:30 Coffee break

Chair: Koichi Kato

- 16:30-17:00 L08 **Tadashi Sugawara** (Kanagawa University)
“Emergence of active site for self-reproducing dynamics in vesicle-based protocell”
- 17:00-17:30 L09 **Kunihiro Kuwajima** (SOKENDAI)
“Problems of protein folding and non-folding”
- 17:30-18:10 L10 **Christian Griesinger** (Max Planck Institute)
“Dynamics of biomolecular systems studied by NMR and further biophysical techniques”

Sunday, January 12, 2014

Chair: Masahide Terazima

- 9:30-10:10 L11 **Bente Vestergaard** (University of Copenhagen)
“Solution SAXS analysis as a central method for structural investigation of protein and peptide fibrillation - published and emergin results”
- 10:10-10:40 L12 **Hironari Kamikubo** (NAIST)
“Exploring regulatory association and dissociation processes of biological molecules constituting a functional module”

10:40-11:00 Coffee break

Chair: Yuko Okamoto

- 11:00-11:30 L13 **Masahide Terazima** (Kyoto University)
“Studies on molecular mechanism of dynamic ordering and disassembling of biomolecular systems, and development of time-resolved detection methods”
- 11:30-12:00 L14 **Hiroshi Masuhara** (NCTU & NAIST)
“A millimeter-size assembly of amino acids in solution formed by laser trapping”

12:00-13:30 Lunch / Coordinator group meeting

13:30-14:30 Poster Session 2 (even numbers)

Chair: Hironari Kamikubo

- 14:30-15:00 L15 **Hirofumi Sato** (Kyoto University)
“Molecular theories for self-organization and order formation”
- 15:00-15:30 L16 **Yuko Okamoto** (Nagoya University)
“Generalized-ensemble simulations of biological molecular
assembly and artificial molecular assembly”
- 15:30-16:10 L17 **Dave Thirumalai** (Univ. of Maryland)
“ Function of molecular chaperone GroEL follows the Iterative
Annealing Mechanism”

16:10-16:15 Closing
