

## **Dec.18**

9:30-9:40 Opening remarks Prof.K.Kuwajima

Chair person: Prof.Y.Okamoto

9:40-10:20

L001

Prof. Christopher M. Dobson, Cambridge University, UK

"Protein Folding and Misfolding: from Nanoscience to Neuroscience."

10:20-11:00

L002

Prof. Hideki Taguchi, The University of Tokyo, JAPAN

"Direct observation of yeast prion dynamics: from a single-molecule to a single-cell approach."

11:00-11:40

L003

Prof. José Nelson Onuchic, University of California at San Diego, USA

"Water Mediation in Protein Folding and Molecular Recognition."

11:40-13:00 Lunch

13:00-14:50 Poster session (Presentation of odd number posters)

Chair person: Prof.M.Ikeguchi

15:00-15:40

L004

Prof. Sheena E. Radford, The University of Leeds, UK

"Life on a Knife Edge: Tipping the Balance between Folding and Aggregation"

15:40-16:20

L005

Prof. Satoshi Takahashi, Institute for Protein Research, Osaka University, JAPAN

"Detection of Folding Dynamics of Freely Flowing Proteins in Solution at the Single Molecule Level"

16:20-17:00

L006

Prof. Shoji Takada, Kobe University, JAPAN

"Modeling and simulating biomolecular machines."

17:00-17:20

Prof. Jooyoung Lee, Korea Institute for Advanced Study, Korea

"High-accuracy protein structure prediction by global optimization"

18:00- Banquet

## **Dec.19**

Chair person: Prof.N.Matsubayashi

9:00-9:40

L007

Prof. Ronald Levy, Rutgers University, USA

"Protein Folding, and Binding: Effective Potentials, Replica Exchange Simulations, and Network Models."

9:40-10:20

L008

Prof. Masahiro Kinoshita, International Innovation Center, Kyoto University, JAPAN

"Physical Basis for Characterizing Native Structures of Proteins."

10:20-10:30 break

Chair person: Prof.F.Hirata

10:30-11:10

L009

Prof. Montgomery Pettitt, University of Houston, USA

"Cellular Crowding: Modeling Activity in Highly Nonideal Solutions."

11:10-11:50

L010

Prof. Makoto Suzuki, Graduate School of Engineering, Department of Materials Processing, Tohoku University, JAPAN

"Increase of rotational mobility of water around actin filaments upon interaction with myosin and its physiological meanings."

11:50-13:00

Lunch

13:00-14:50

Poster session (Presentation of even number posters)

Chair person: Prof.M.Kataoka

15:00-15:40

L011

Prof. Keith Moffat, The University of Chicago, USA

"The role of internal hydrogen bonds and buried water in light-sensing and redox-sensing domains."

15:40-16:20

L012

Prof. Nobuo Niimura, Graduate School of Science & Engineering, Ibaraki University, JAPAN

"Neutron Protein Crystallography: Beyond the Folding Structure of Biological Macromolecules."

16:20-16:30 Closing remarks