

Tsukuba Global Science Week 2012

Schedule of Human Biology Lecture and Symposium

Tuesday, October 30

Time	Lecture
Lecture for Students in Human Biology Program <i>Room 706, Laboratory of Advanced Research A Building, UNIVERSITY OF TSUKUBA</i>	
8:40 - 9:55	“Early Mammalian Embryo Development with Emphasis on ES, TS, and XEN Stem Cell Derivation” Dr. Tilo Kunath (University of Edinburgh, UK)
9:55 - 10:10	Coffee Break
10:10 - 11:25	“The Structural Basis of Protein Misfolding Diseases” Dr. Jeremy Bradshaw (University of Edinburgh, UK)
12:15 - 13:15	Lunch <i>Conference Room 303, TSUKUBA INTERNATIONAL CONGRESS CENTER</i>
Human Biology Symposium I <i>Conference Room 101, TSUKUBA INTERNATIONAL CONGRESS CENTER</i>	
13:30 - 13:35	Opening Remarks Dr. Michiyoshi Ae (Head of SIGMA, Vice President of Education, University of Tsukuba)
13:35 - 14:25	“Model-aided Understanding of Self-organization” Dr. Masayasu Mimura (Meiji University, Japan)
14:25 - 15:15	“Nonlinear Networked Filters for Molecular Bioinformatics and Its Application in Computational Reconstruction of Cellular Signal Pathways” Dr. Jian-Qin Liu (National Institute of Information and Communications Technology (NICT), Japan)
15:15 - 15:45	Coffee Break
15:45 - 16:35	“Grand Challenge in Life Science on K Computer” Dr. Ryutaro Himeno (RIKEN, Japan)
16:35 - 17:25	“Computing Opportunities in Biological Sciences at Berkeley Lab” Dr. Esmond G. Ng (Lawrence Berkeley National Laboratory (LBNL), USA)
17:25	Closing Remarks Dr. Tetsuya Sakurai (Symposium I Coordinator)
18:00 - 20:00	Reception Party <i>Restaurant ESPOIR, TSUKUBA INTERNATIONAL CONGRESS CENTER</i>

Wednesday, October 31

Time	Lecture
Lecture for Students in Human Biology Program <i>Room 706, Laboratory of Advanced Research A Building, UNIVERSITY OF TSUKUBA</i>	
8:40 - 9:55	“Spontaneous Signaling Dynamics: From Stimulus-Independent Interference Channels to Brain’s Default Mode Network” Dr. Jian-Qin Liu (NICT, Japan)
9:55 - 10:10	Coffee Break
10:10 - 11:25	“Impact of High-Performance Computing on Scientific Discoveries” Dr. Esmond G. Ng (LBNL, USA)
12:15 - 13:15	Lunch <i>Conference Room 303, TSUKUBA INTERNATIONAL CONGRESS CENTER</i>
Human Biology Symposium II <i>Conference Room 101, TSUKUBA INTERNATIONAL CONGRESS CENTER</i>	
13:30-14:00	“Unravelling Amyloid Proteins” Dr. Jeremy Bradshaw (University of Edinburgh, UK)
14:00-14:30	“Single-molecule and Mili-second-order Kinetic Analysis of the ATP-dependent Conformational Changes of SR Ca ²⁺ -ATPase - Challenge to Post-Albers Scheme” Dr. Masatoshi Yokokawa (University of Tsukuba, Japan)
14:30-15:00	“Learning from Hepatitis B Virus about Cell Biology” Dr. Michael Kann (Université Bordeaux Segalen, France)
15:00-15:30	“Assembly and Maintenance of the Nucleolar Structure by RNA and RNA Binding Proteins” Dr. Mitsuru Okuwaki (University of Tsukuba, Japan)
15:30-16:00	“The Cytoskeleton of the Animal Pathogen Trypanosoma brucei brucei” Dr. Derrick Roy Robinson (Université Bordeaux Segalen, France)
16:00-16:15	Coffee Break
16:15-16:45	“Nuclear PI-PLbetaCbeta1 in Low-Risk MDS Patients: Its Behaviour Depends on the Therapy” Dr. Lucio Cocco (University of Bologna, Italy)
16:45-17:15	“In Vivo Physiological Roles of the Small GTPase ADP-ribosylation Factor 6” Dr. Hiroshi Hasegawa (University of Tsukuba, Japan)
17:15-17:45	“Human Pluripotent Stem Cell Models of Parkinson's and Dementia” Dr. Tilo Kunath (University of Edinburgh, UK)
17:45-18:15	“Induction of Insulin Production from Liver Cells” Dr. Satoru Takahashi (University of Tsukuba, Japan)
18:15	Closing Remarks Dr. Satoru Takahashi (Symposium II Coordinator)