

The University of Tokyo International Symposium
UT-ULP Joint Symposium
“Frontiers in Supramolecular Science”

September 28 (Thu) - 29 (Fri), 2006, UT Sanjo Conference Hall, Tokyo, Japan

September 28 (Thu)

- 9:30 – 9:40 *Opening Remarks: Mitsuhiko SHIONOYA*
- Chairperson: Mitsuhiko SHIONOYA
- 9:40 – 10:20 **Marcel HIBERT**
Suprabiomolecular chemistry of G protein coupled receptors :
post-genomic approaches
- 10:20 – 10:50 **Yoshio UMEZAWA**
Illuminating molecular processes in living cells
- 10:50 – 11:10 *Coffee Break*
- Chairperson: Moritoshi SATO
- 11:10 – 11:40 **Hiroaki SUGA**
Ribosomal synthesis of non-canonical peptides via the genetic code
reprogramming
- 11:40 – 12:20 **Alain KROL**
A complex molecular machinery to specifically incorporate selenium
into proteins important for health and disease
- 12:20 – 13:40 *Lunch Time*
- Chairperson: Junji ICHIKAWA
- 13:40 – 14:20 **Nicolas WINSSINGER**
Towards measuring and modulating protein function with small
molecules
- 14:20 – 15:00 **Daniel O. J. UGUEN**
Revisiting some basic chemistry; application to the synthesis of
Tocopherol and Juvenile Hormone
- 15:00 – 15:20 *Coffee Break*
- Chairperson: Koichi NARASAKA
- 15:20 – 15:50 **Tomohiko OHWADA**
Transnitrosation of thiols from aliphatic *N*-nitrosamines:
S-nitrosation and indirect generation of nitric oxide
- 15:50 – 16:20 **Takashi KATO**
Supramolecular functional liquid crystals

- 16:20 – 17:00 **Françoise COLOBERT**
New insights in the use of chiral sulfoxides: enantiomerically pure cyclic ethers and biaryl compounds
- 17:30 – 19:00 *Banquet* (Sanjo Hall 1F, Lounge Harmony)

September 29 (Fri)

- Chairperson: Kentaro TANAKA
- 9:30 – 10:10 **Kenneth TAKEDA**
Roles of calcium signaling and FAK (focal adhesion kinase) in the migration of human astrocytoma cells
- 10:10 – 10:50 **Philippe DUMAS**
Assembly, dynamics and antibiotics binding to a loop-loop complex from HIV-1 RNA
- 10:50 – 11:10 *Coffee Break*
- Chairperson: Takayuki KAWASHIMA
- 11:10 – 11:40 **Hiroyuki ISOBE**
Science of amphiphilic carbon clusters
- 11:40 – 12:10 **Shin-ichi OHKOSHI**
New functionalized magnetic materials composed of cyano-bridged bimetal assemblies
- 12:10 – 13:30 *Lunch Time*
- Chairperson: Shin-ichi OHKOSHI
- 13:30 – 14:10 **Paolo SAMORI**
Scanning probe microscopies beyond imaging: an insight into the supramolecular world
- 14:10 – 14:40 **Hiroshi NISHIHARA**
Metal-based photoswitches derived from photoisomerization
- 14:40 – 15:00 *Coffee Break*
- Chairperson: Hiroshi NISHIHARA
- 15:00 – 15:40 **Véronique BULACH**
Molecular tectonics: metallacycles and coordination networks based on porphyrins derivatives
- 15:40 – 16:10 **Makoto FUJITA**
Fluorous nanodroplets structurally confined in an organopalladium sphere
- 16:10 – 16:20 *Closing Remarks*