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
Supramolecular 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-nitrosoamines: 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*