

The 21st Century COE Program for Frontier in Fundamental Chemistry

The University of Tokyo (UT)–University Louis Pasteur (ULP) Joint Symposium

東京大学 (UT)– ルイ・パストゥール大学 (ULP) 合同シンポジウム

"Frontiers in Molecular Science" 「分子科学のフロンティア」

Date: December 5 (Thu) and 6 (Fri), 2002

日時: 平成14年12月5日(木), 6日(金)

Place: Room 1404 (4th floor), Department of Chemistry, Graduate School of Science, The University of Tokyo

場所: 東京大学 大学院理学系研究科 化学本館 4階1404号室

Program

December 5 (Thu) Chairperson: (morning session) E. Nakamura; (afternoon session) T. Kawashima

- 9:50 Opening Remarks: **K. Narasaka**
- 10:00 – 10:45 **L. Charbonnière**
Luminescent Lanthanide Complexes and Their Applications as Analytical Tools
- 10:45 – 11:30 **M. Shionoya**
Discrete 1-D Metal-Array in Artificial DNA
- 11:30 – 12:15 **B. Bechinger**
Biophysical and Structural Analysis of Membrane-Associated Polypeptides by Solid-State NMR Spectroscopy
- 13:30 – 14:15 **O. Nureki**
Structural Basis for the Genetic-Code Translation System
- 14:15 – 15:00 **F. Colobert**
Useful Tools in Organic Synthesis: Chiral Alcohols, Axially Chiral Biaryls, Ynearyls
- 15:00 – 15:30 Coffee Break
- 15:30 – 16:15 **K. Goto**
Syntheses, Structures, and Reactions of Stable S-Nitrosothiols and Their Selenium Analogues
- 16:15 – 17:00 **R. Ruppert**
Porphyrins as Ligands: Metal Connected Oligoporphyrins
- 17:45 – 19:45 Symposium Party (Tokyo Yayoi-Kaikan, Room ASO, TEL: 03-3823-0842)

December 6 (Fri) Chairperson: (morning session) K. Narasaka; (afternoon session) K. Saigo

- 10:00 – 10:45 **D. Heissler**
Synthesis of Bioactive Compounds: Triterpenes and Cationic Lipids
- 10:45 – 11:30 **Y. Ebizuka**
Functional Genomics Approach to the Study of Triterpene Biosynthesis
- 11:30 – 12:15 **T. J. Bach**
On the Biosynthesis and Essential Function of Isoprenoids in Tobacco BY-2 Cells
- 13:30 – 14:15 **M. Tanokura**
Solution Structure of an Archaeal FKBP with a Dual Function of Proline cis-trans Isomerase and Chaperone-Like Activities
- 14:15 – 15:00 **D. Massotte**
Human Opioid Receptors: Structure-Function Study of a Seven Transmembrane Alpha Helical Protein
- 15:00 – 15:30 Coffee Break
- 15:30 – 16:15 **N. Mizuno**
Control of Active Sites from Atomic to Nano Scale Based on Polyoxometalates
- 16:15 – 17:00 **P. Braunstein**
Recent Studies with Bimetallic Complexes and Clusters
- 17:00 Closing Remarks: **P. Braunstein**

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