

## **Molecular Recognition and Supramolecular Chemistry as a Basis of Pharmaceutical Sciences**

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In living systems, which are formed by assembly of huge amounts of biomolecules, numerous molecular recognition and biological reaction take place. In development of life science and medicinal chemistry, host-guest chemistry and biomimetic chemistry, chemistry of molecule recognition played very important roles. Nowadays, these areas have developed into supramolecular chemistry. The purpose of this symposium is to give a chance to obtain some hints in the field of pharmaceutical and life sciences.

Speakers and the titles of their talks are as follows:

1. Development of Functional Molecules Utilizing Peptidocalixarene Libraries (H. Hioki)
2. Recognition of Molecules and Ions Using Fluorescent Supramolecular Probes (I. Suzuki)
3. Efficient Synthesis of the Interlocked Compounds by Catalytic Reactions (S. Saito)
4. Development of New Functional Chemosensors Based on the Phenolphthalein Skeleton (K. Tsubaki)
5. Supramolecular Chemistry and Photochemistry Using Metal Complex Module (S. Aoki)
6. Specific Amide-Forming Reaction Targeting Biomolecules (M. Kunishima)
7. Development of Bioinspired Concerted Catalysts (T. Higuchi)