

**A02-7**

# Realization of condensed conjugation by inserting molecules into electron lone pair-enriched inclusion spaces

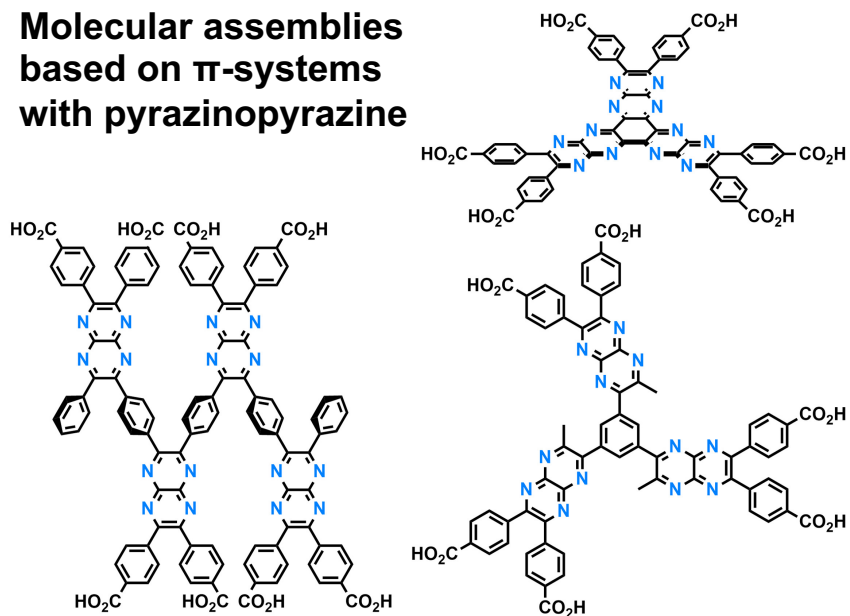
Principal investigator: Ichiro Hisaki (Osaka Univ)

**Our Mission:** Fixing condensed conjugation by maximizing Intermolecular interactions

## Our aim in A02-7

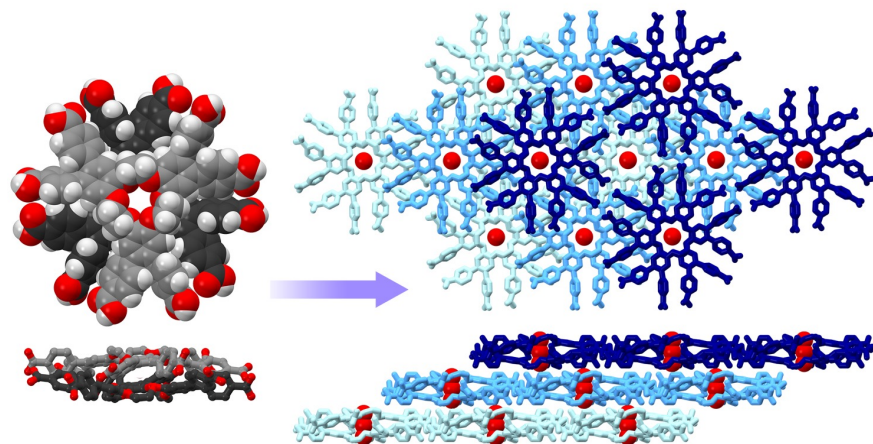
- Realization of condensed conjugation via preorganized lone pairs in crystals
- Realization of condensed conjugation via inserting molecules into lone pair-enriched spaces

## Molecular assemblies based on $\pi$ -systems with pyrazinopyrazine



**Electron lone pair-enriched space in molecular assemblies**

## Molecular assemblies based on triaryl-substituted 18-crown-6-ethers



**Hybrids of closely stacked molecular assemblies and guest cations**