

**A01-5**

# Creation of new cyclic $\pi$ -conjugated molecules for condensed conjugation

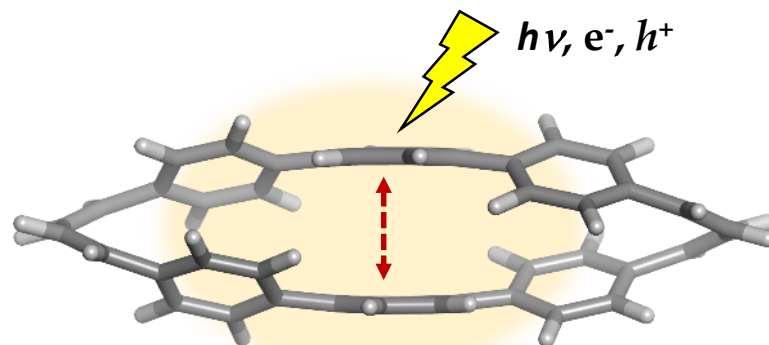
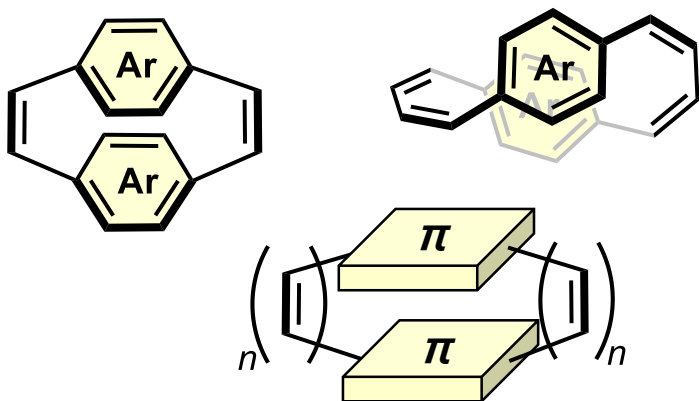
Principal investigator: Eiichi Kayahara (Kyoto Univ)

**Our Mission: Realization of a new electronic conjugation in intermolecular spaces via precise design of molecules with minimum intermolecular distances**

## Aims of A01-5

- Design and synthesis of new cyclophanes based on the transannular reaction of planer  $\pi$ -conjugated molecules
- Proximization of face-to-face  $\pi$ -units and condensed conjugation by the intramolecular interaction

### Cyclophanes



**Proximization of face-to-face  $\pi$ -units  
Intramolecular interaction**