A01-6 Exploration of condensed conjugation systems by accumulated hydrocarbons having unstable electronic states based on extreme charge-/spin-polarization

Principal investigator: Akihito Konishi (Osaka Univ)

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

Our aim in A01-6

- Accumulation of hydrocarbon skeletons with electronic instability
- Construction of stacked structures through the polarized spins/charges derived from spontaneous structural deformations

Characteristics of non-alternant hydrocarbons and cumulenes

Functionalization of stacked hydrocarbon skeletons

