

# A02-8

## Development of condensed conjugation via assembly of nanographene

Principal investigator: Takeharu Haino (Hiroshima Univ)

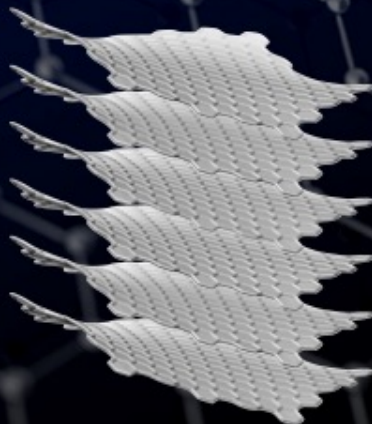
**Our Mission:** Fixing condensed conjugation by maximizing Intermolecular interactions

### Aims of A02-8

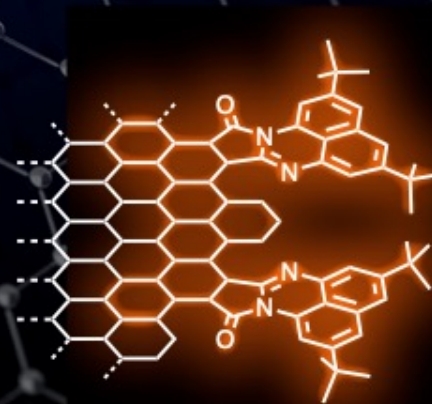
- Development of designed assemblies of nanographenes by controlling intermolecular interactions
- Regulation of photoelectronic properties of condensed  $\pi$  electrons



Graphene networks directed by designed supramolecular interactions



Self-assembly by designed intermolecular interactions



Red-NIR Light

Regulation of photoelectronic structures