

# Exploring novel electronic functions of condensed conjugation molecular materials induced by randomness

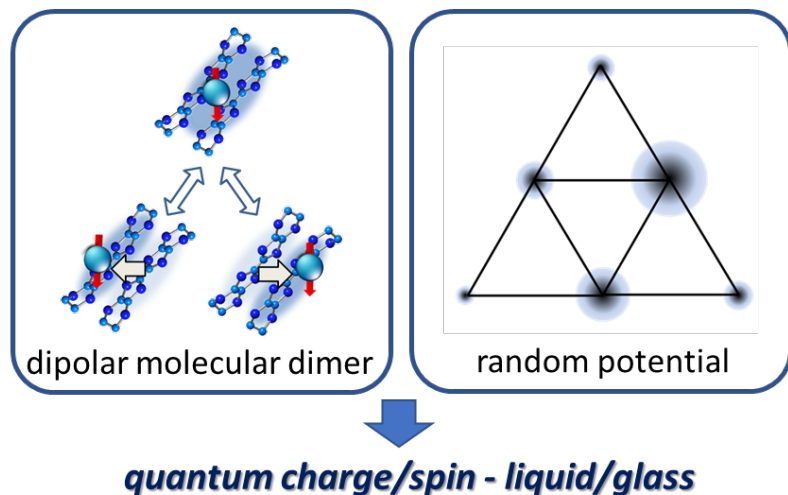
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## Our Mission: Beyond condensed conjugation

### Aims of A04-4

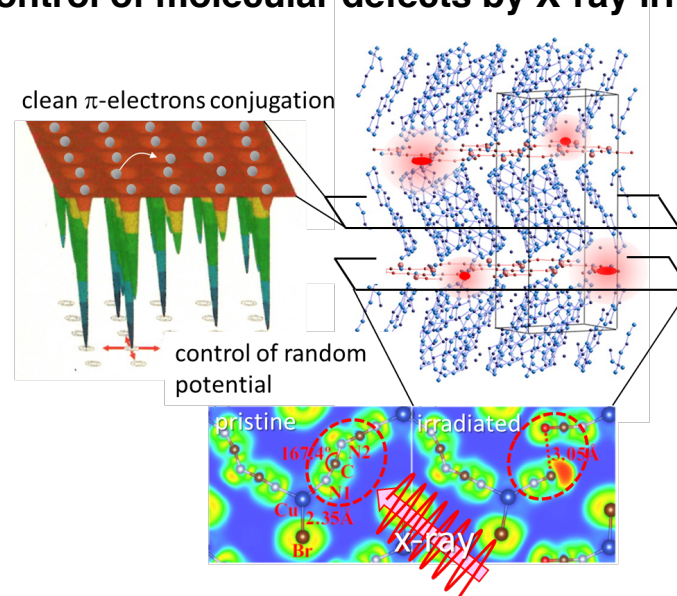
- Exploring quantum disordered states induced by randomness and strong electron correlations
- Control of molecular defects introduced by X-ray Irradiation and establishment of microscopic picture

### Electronic functions where randomness is intrinsic



**Toward the use of randomness in science  
beyond obstacles**

### Control of molecular defects by X-ray irradiation



**Creation of physical properties and control parameters  
by artificially introducing molecular defects**