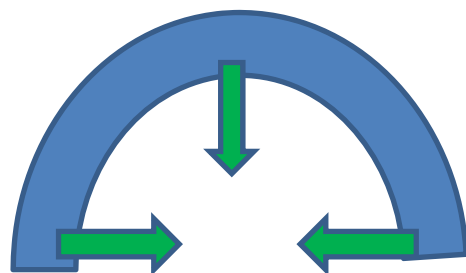


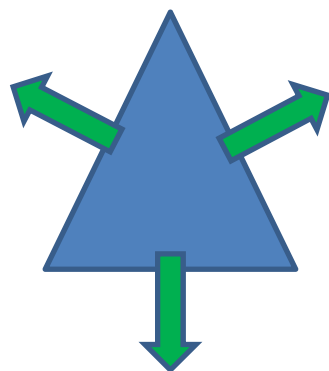
## Supramolecular building blocks



Convergent interactions



RECEPTOR

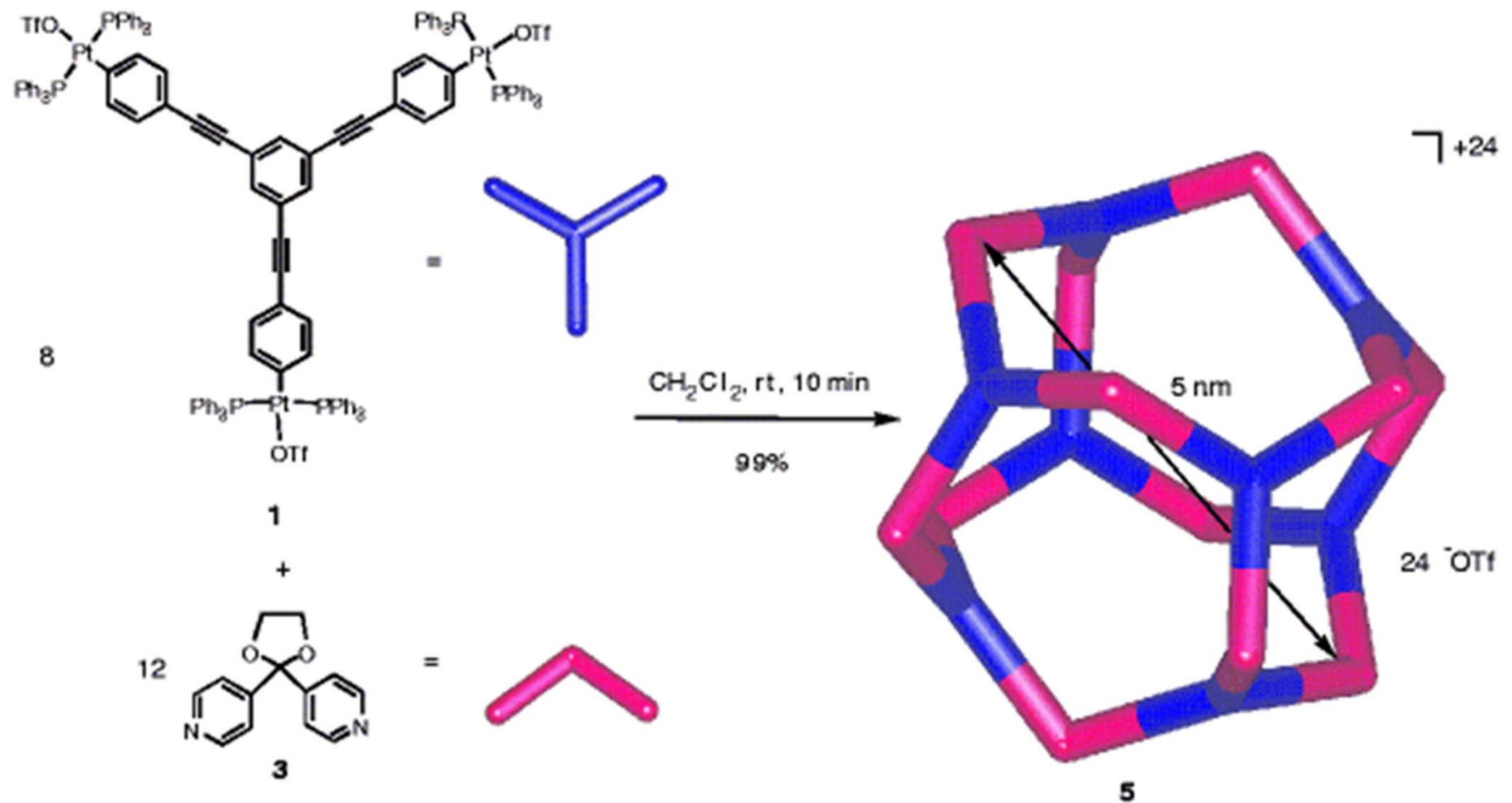


Divergent interactions

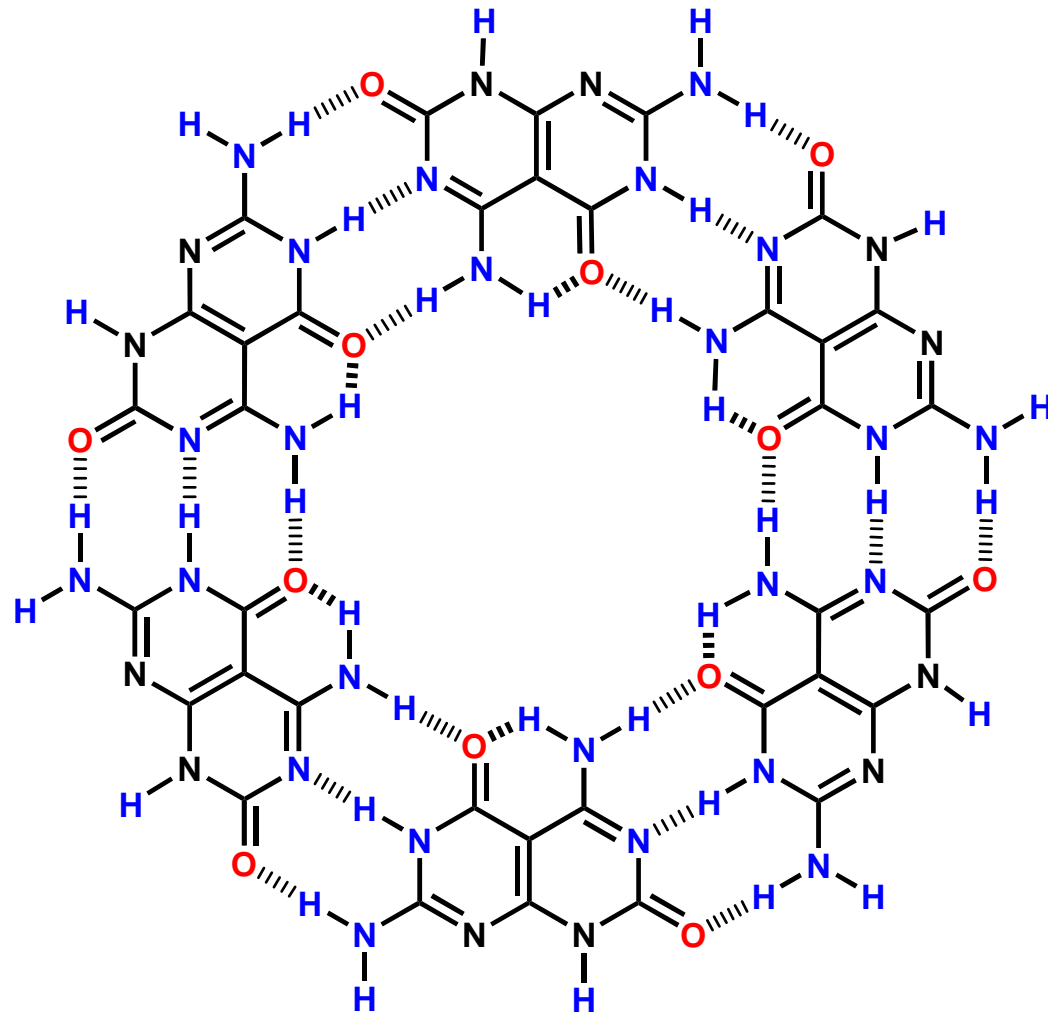
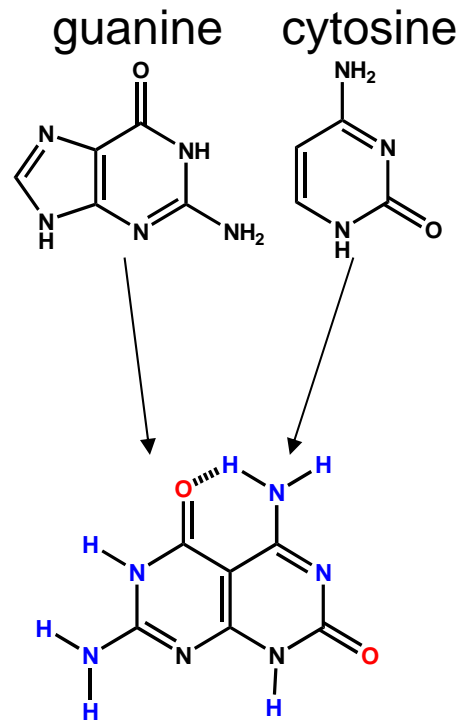


BUILDING BLOCK

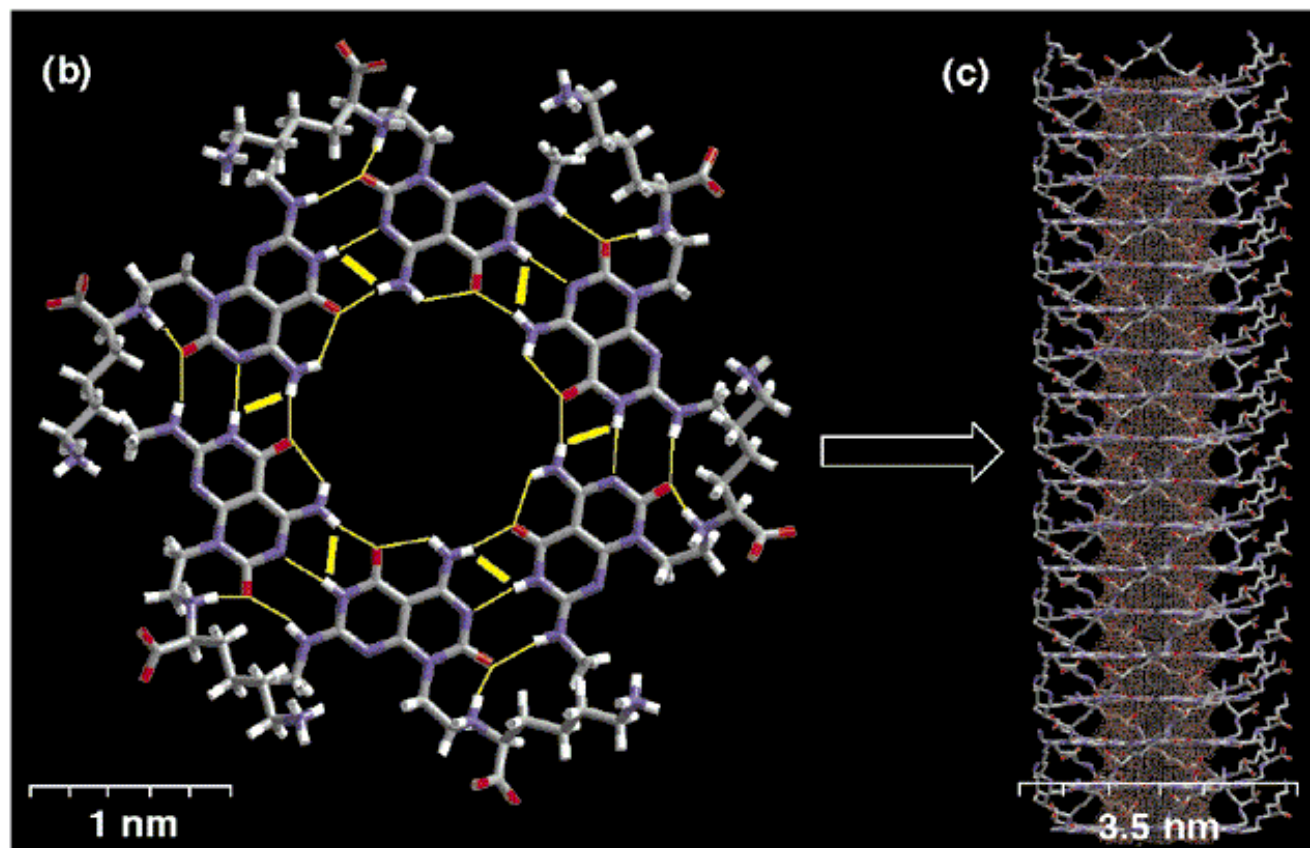
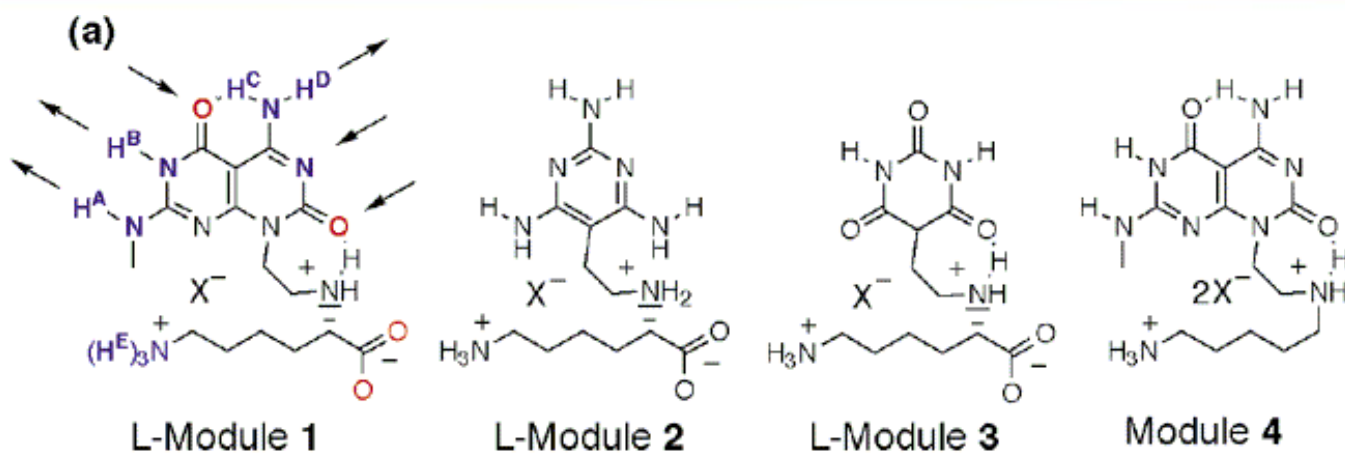
## Supramolecular capsules



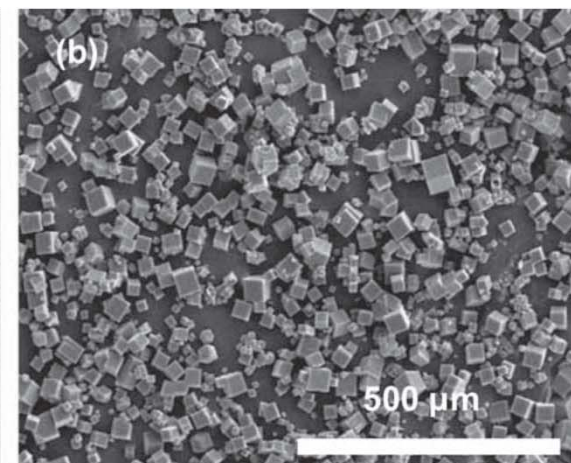
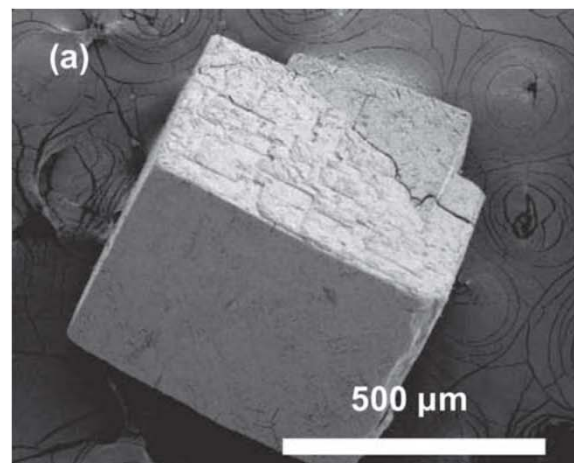
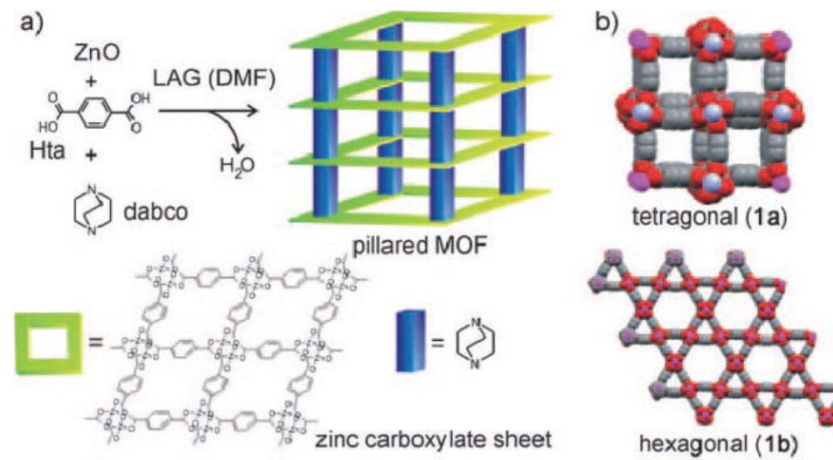
## Rosettes



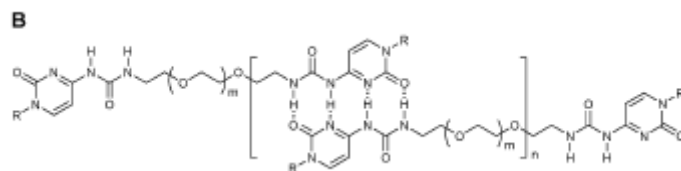
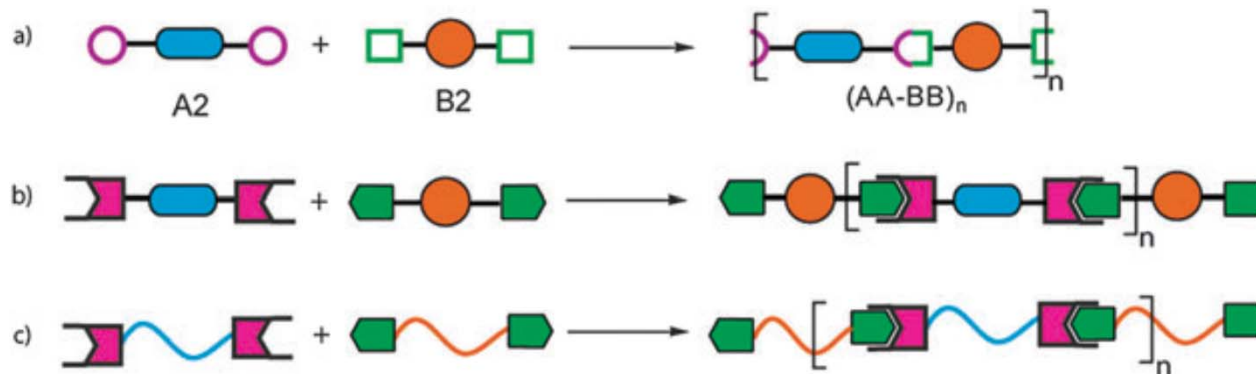
Rosettes



## Metal-organic frameworks (MOF)

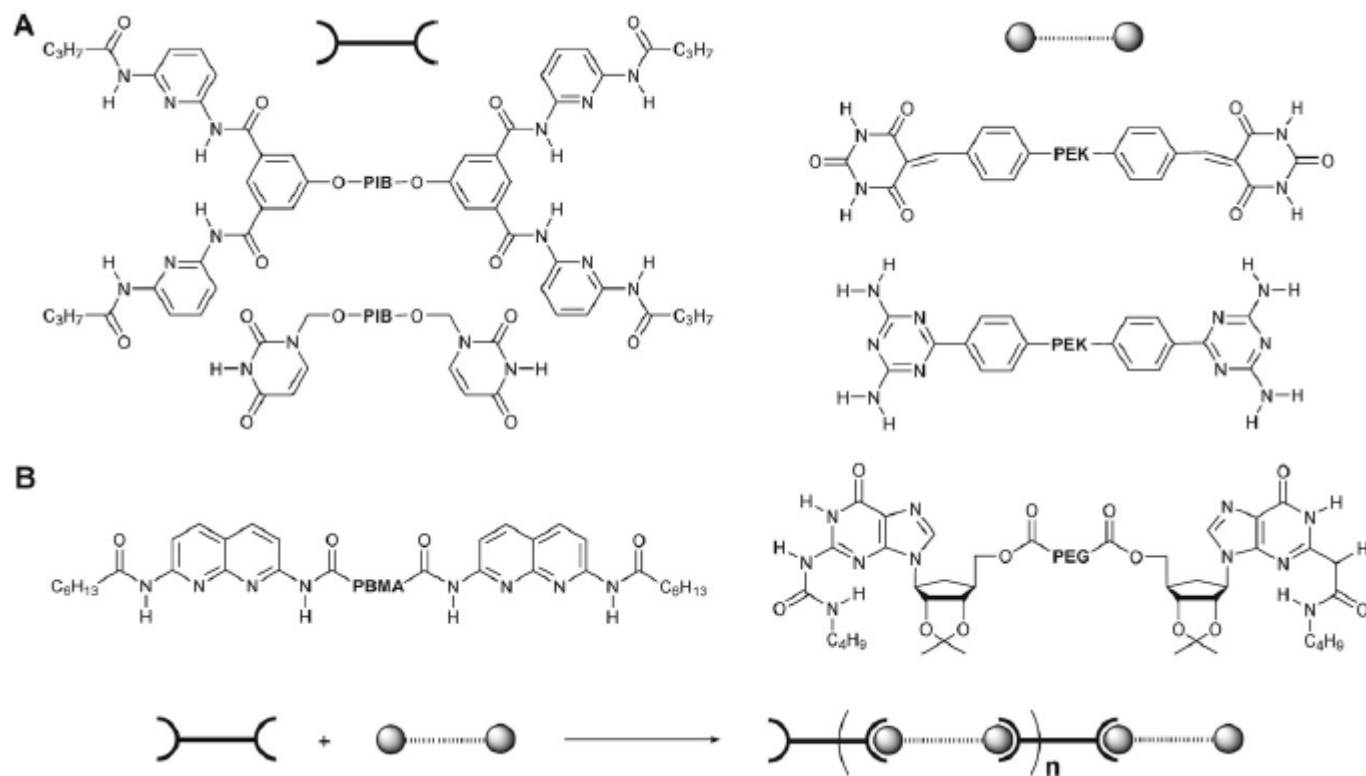


# Supramolecular polymers

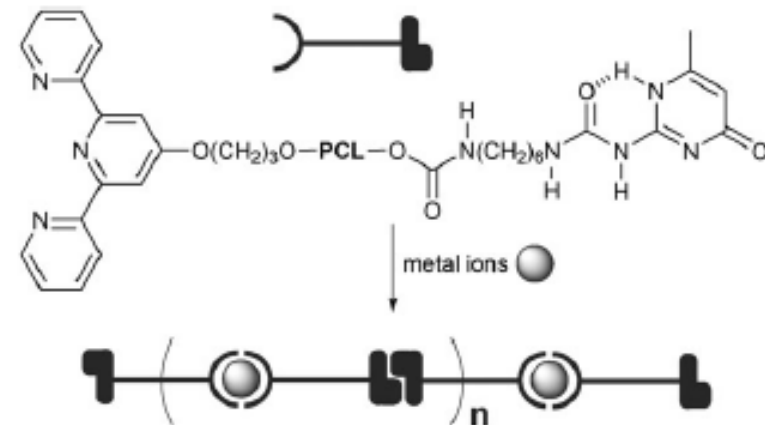




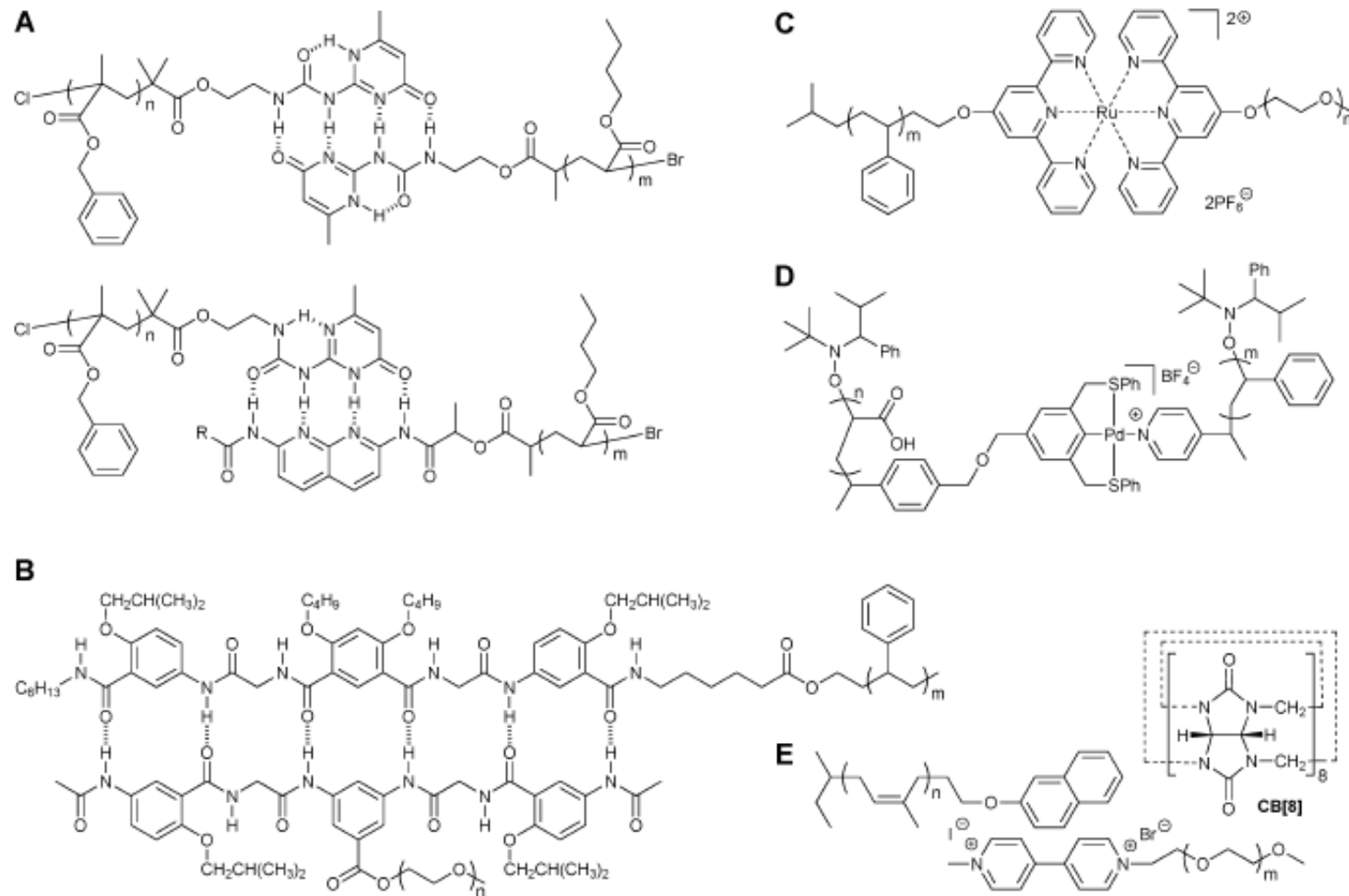
## Supramolecular polymers using hydrogen bonds



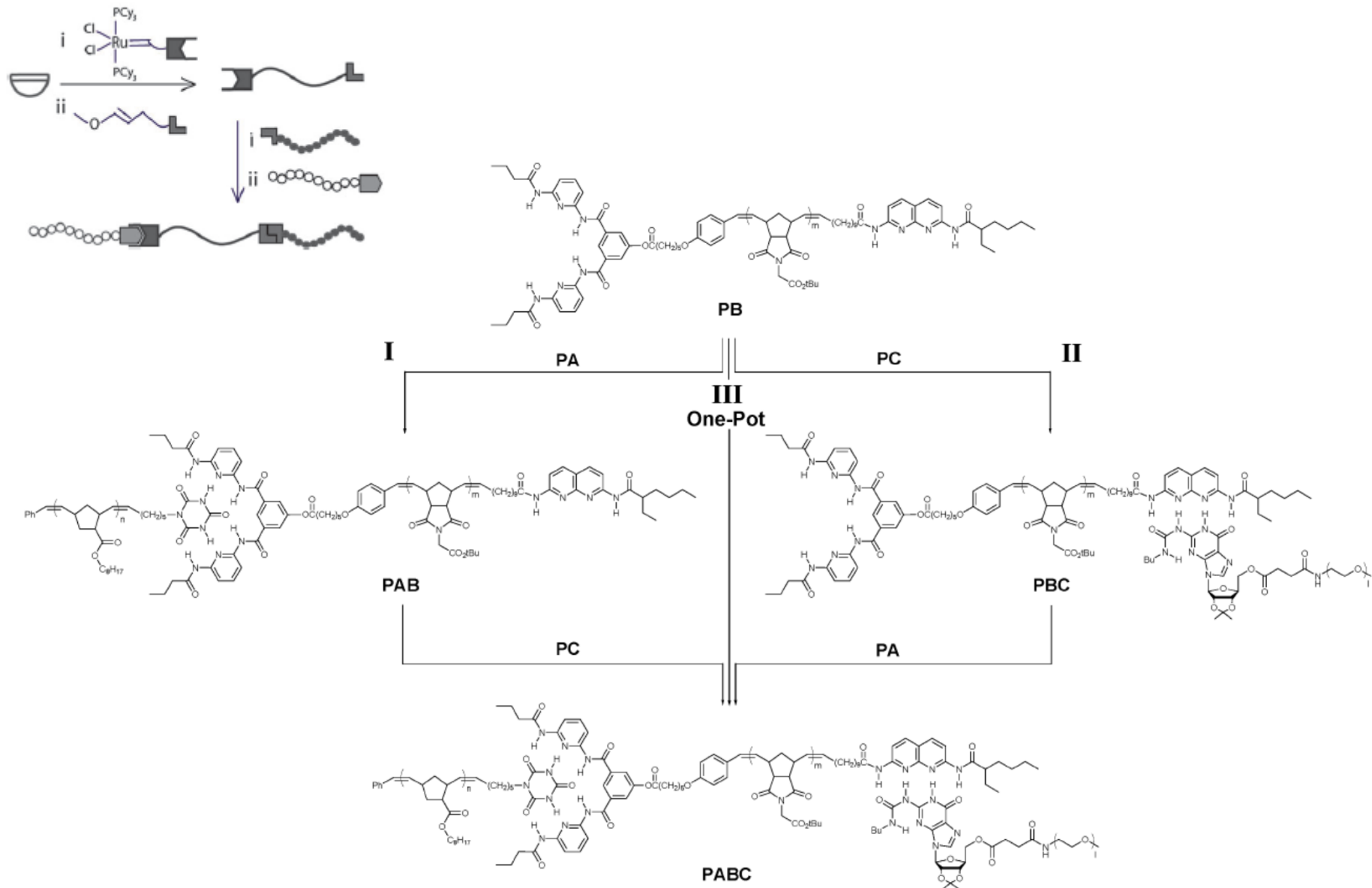
# Supramolecular diblock-copolymers



Supramolecular diblock-copolymers

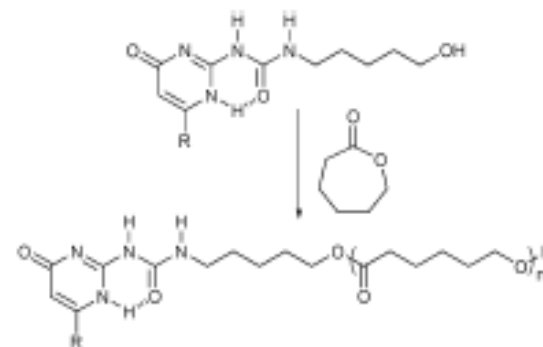


# Supramolecular triblock-copolymers



## Supramolecular polymers

- Tunable mechanical and thermal properties
- Combinatorial development



## H-bonds

- Easily processable (thermoplastic elastomers)
- Self-healing
- Better recyclability
- Gels and biomaterials

## Metals

- Functional materials: catalysis, redox chemistry, sensing, luminescence