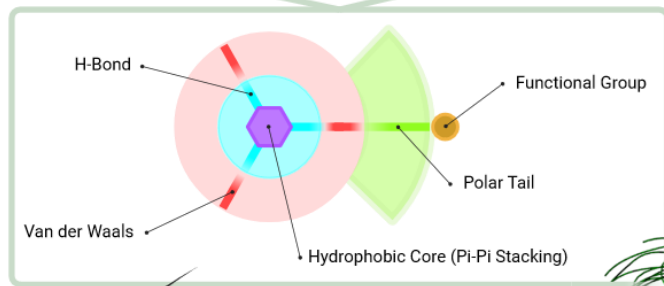
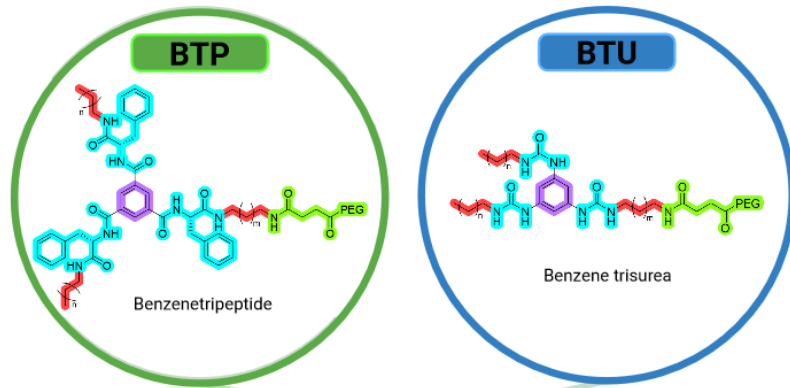
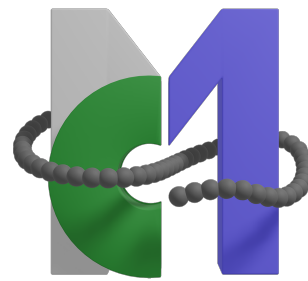
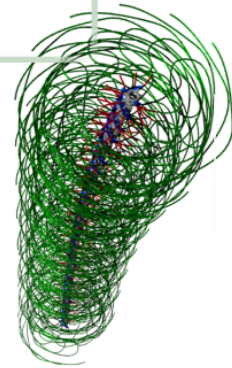


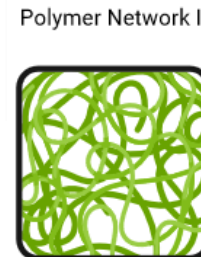
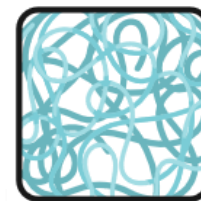
Design and Synthesis of Hydrogels for Diverse Applications



Supramolecular
Self assembly



Network
Formation



Polymer Network I

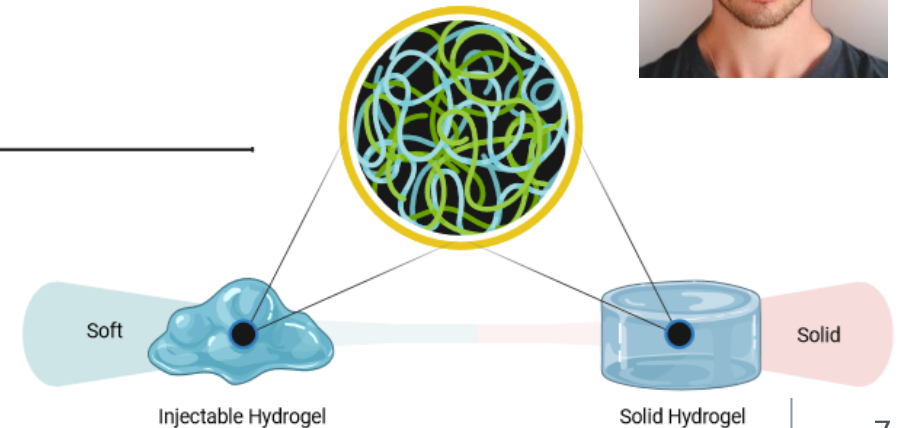
Polymer Network II

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- ### Overview:
- Synthesis of BTU and BTP building blocks for self-assembled fibers
 - Develop fibers for, single and interpenetrating networks in organo- and hydrogels, and tune properties.
 - Create tunable hydrogels for diverse applications.
 - Analytical methods: CD, AF4, Rheology, DLS, NMR...
 - Possible applications in tissue engineering, drug delivery, and smart materials.