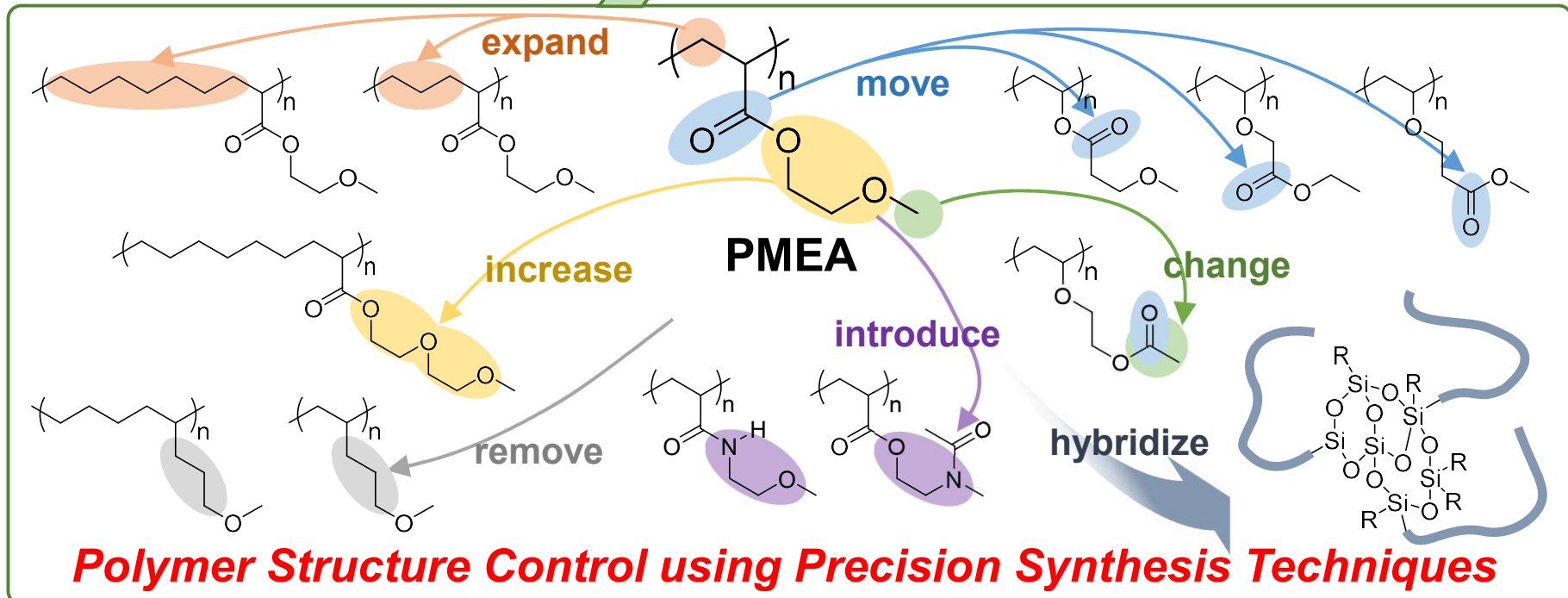
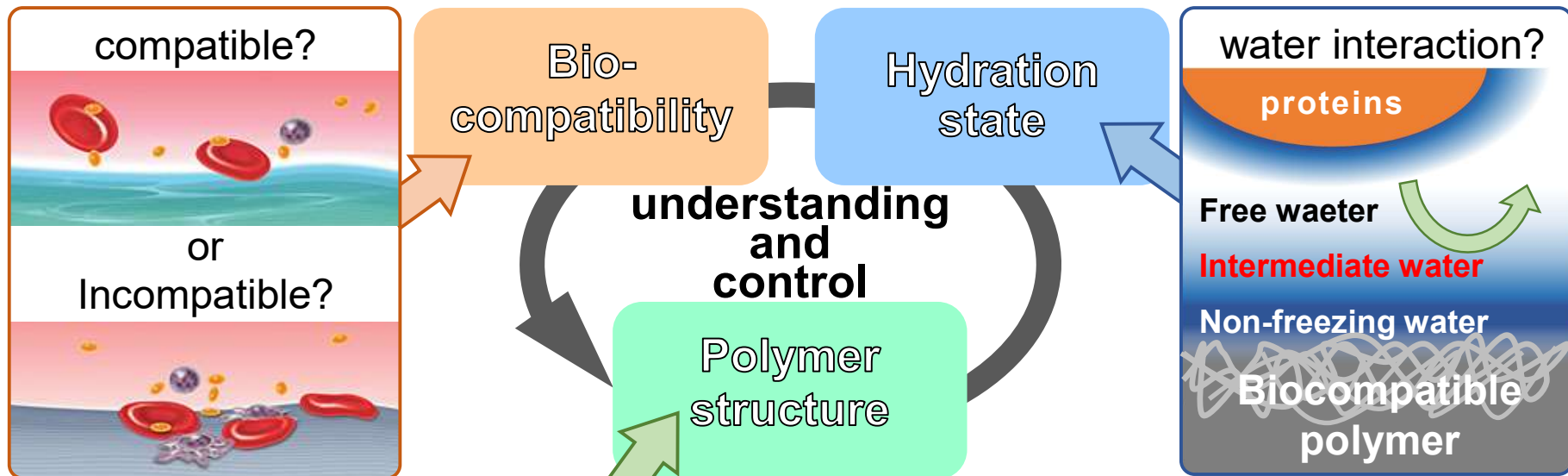
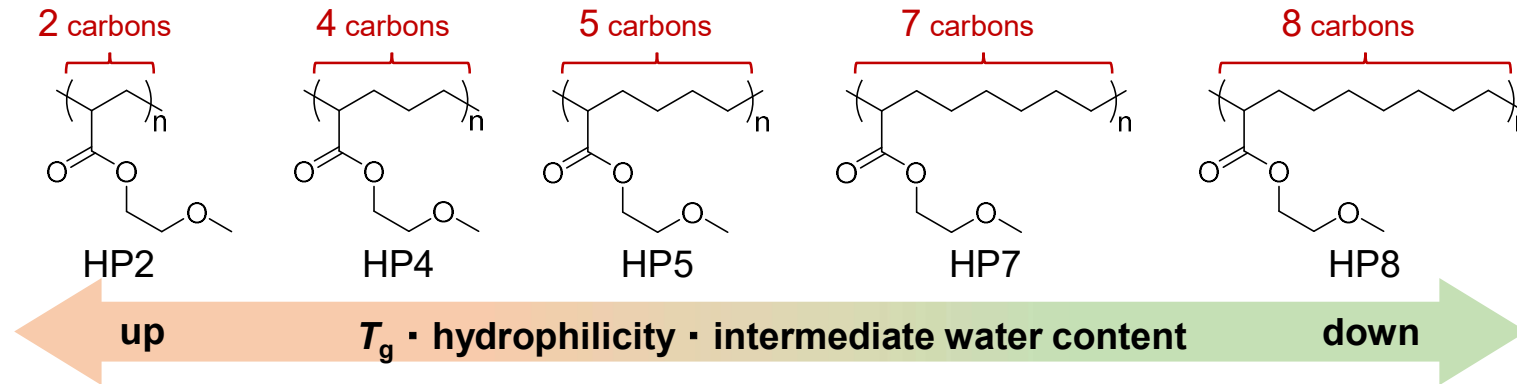


Synthesis Team: Design, synthesis, and function control of biopolymers



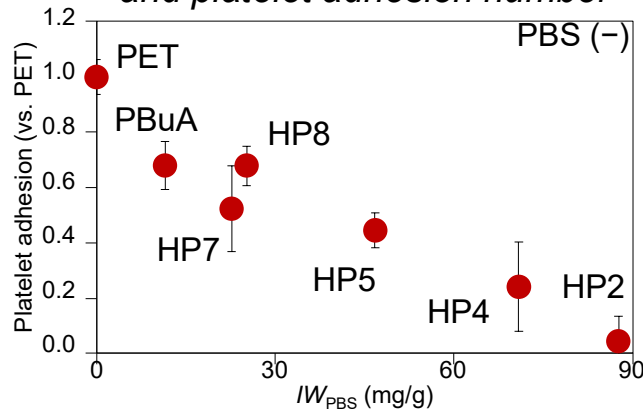
Recent topics: Achieved precise control of biocompatibility

Physical properties of polymers were successfully controlled by precisely controlling the PMEA sidechain-spacing

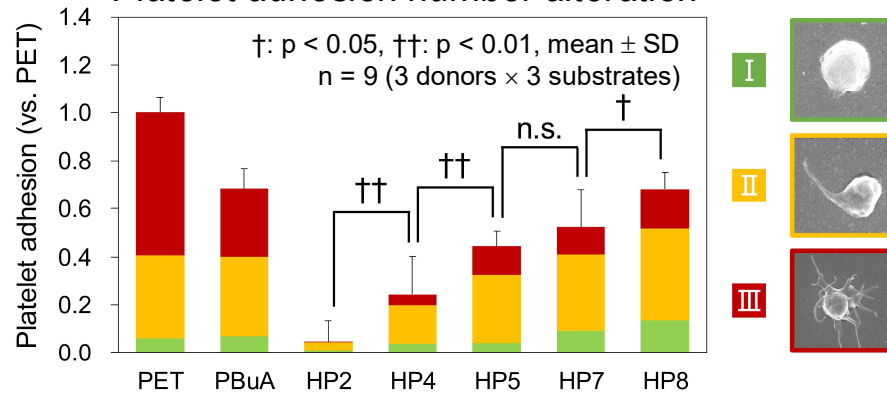


Hydration state and biocompatibility control was achieved by controlling polymer structure

Relationship between intermediate water content and platelet adhesion number



Platelet adhesion number alteration



T. Sonoda et al., *Macromolecules* **2020**, 50, 8570-8580.

Succeeded in control of hydration state and biocompatibility

through precision polymer synthesis!