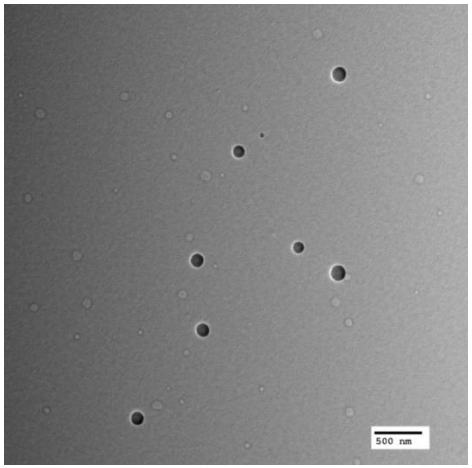
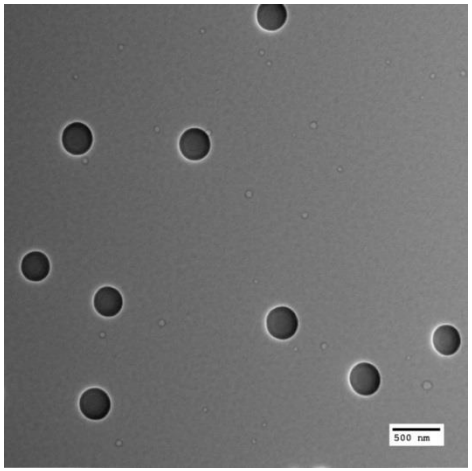
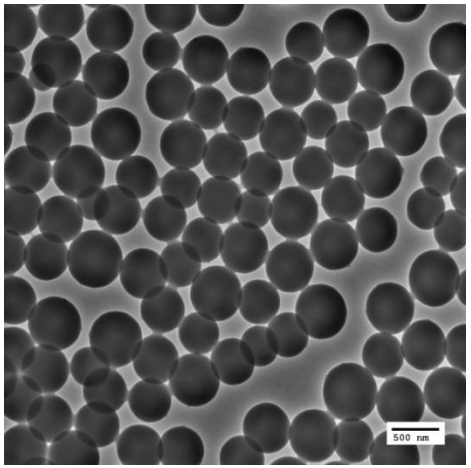
Rapid Fabrication of Nanoparticles with Excellent Size Control







Self-assembling polymer nanoparticles that are driven by coordination interactions between a boron functionality in one polymer chain and the imine functionality in the neighboring polymer chain has been demonstrated by **Thayumanavan,** of the Center for Hierarchical Manufacturing at UMass Amherst. This rapid and convenient method has been developed in collaboration with **Dai (Xiamen University, China)**. In addition to the simple preparation of these nanoparticles, these particles have also been shown to be thermally reversible, where the fidelity of the nanoparticle survives thermal cycling.

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This work supported by The Center for Hierarchical Manufacturing at the University of Massachusetts Amherst CMMI-1025020

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