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**Approaching Acrylic Copolymer Structures
Differently**

Abstract: Controlled polymerization techniques (e.g., reversible addition-fragmentation chain transfer (RAFT) polymerization) provide access to defined copolymer structures where block sequence, monomer composition, and architecture can be readily tuned. Herein, syntheses approaches will be introduced that take advantage of photoinduced electron/energy transfer (PET) catalysis to control mechanisms of radical introduction. For example, we developed synthetic methods to yield polymers containing more precise control over monomer placement and sequence. Additionally, new ways of interfacing acrylic copolymers with proteins to modulation functions show that copolymer composition is critical to achieve protein recognition. Overall, new synthetic design considerations for acrylic copolymers using RAFT polymerization will be discussed.

Meet the Speaker
Seminar

2:00 pm, PCB 3144
3:30 pm, King 159