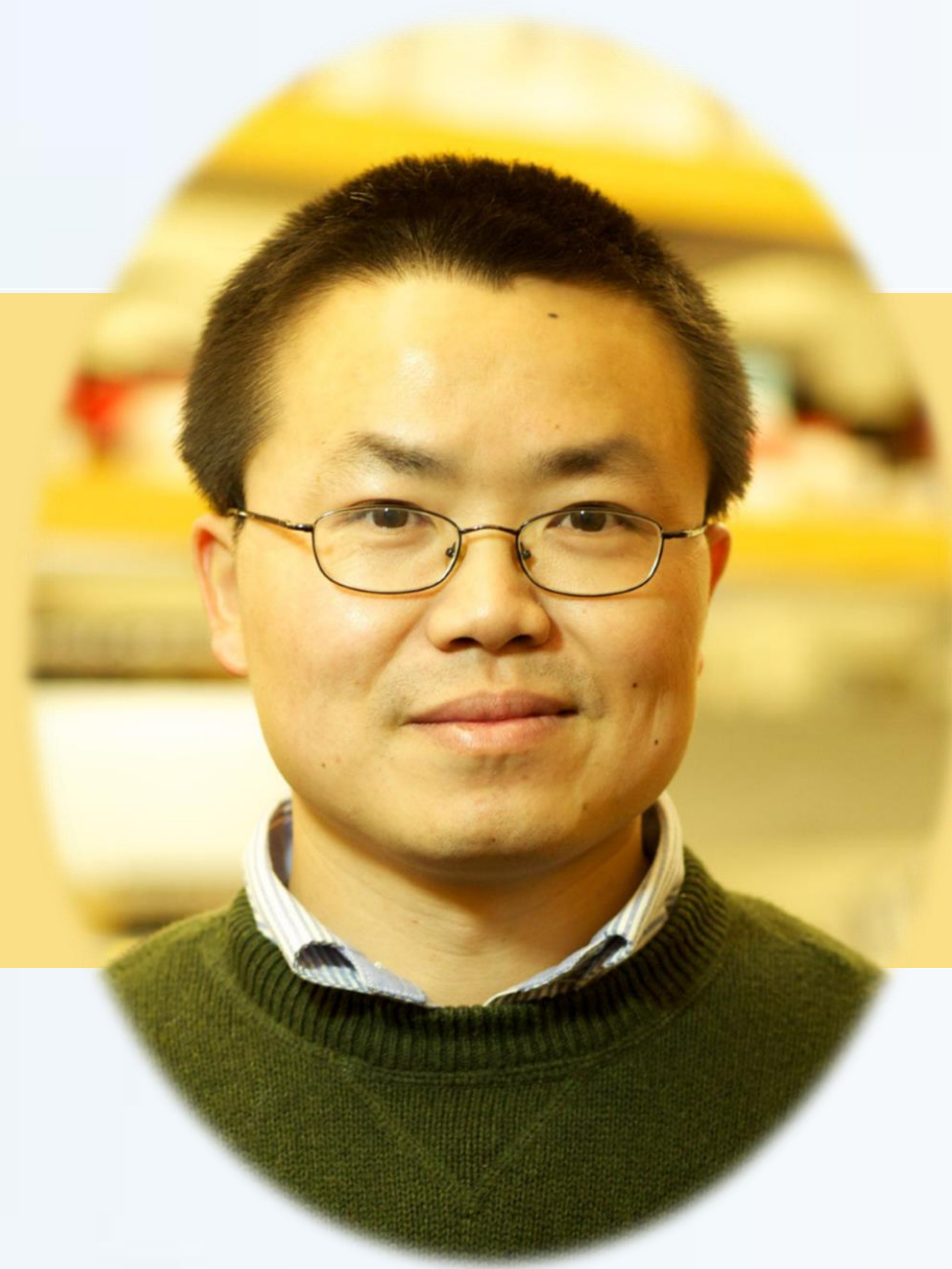




Unconventional Routes to Colloidal Nanostructures

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【报告内容简介】

Colloidal nanostructures have been in the focus of research interest for decades due to their unique chemical and physical properties that can be tuned by controlling their size, shape, surface, and special arrangement. This talk will cover a number of unconventional routes toward controlled synthesis of nanostructures, including seeded growth and its combination with soft and hard templates for growing metal nanocrystals, and the use of nanoscale Kirkendall effect or other conversion chemistry for the creation of metal or compound nanostructures.

【报告人简介】

Prof. Yadong Yin received his B.S. (1996) and M.S. (1998) in Applied Chemistry from the University of Science and Technology of China (with Prof. Zhicheng Zhang), and PhD (2002) from the University of Washington, Seattle (with Prof. Younan Xia). After being a postdoc fellow at the University of California, Berkeley under the supervision of Prof. A. Paul Alivisatos, he joined the faculty at the Department of Chemistry, University of California, Riverside in 2006. His research interest focuses on the synthesis, self-assembly, and functionalization of nanostructured materials for catalytic, analytical, and photonic applications. His recent recognitions include Cottrell Scholar Award (2009), DuPont Young Professor Grant (2010), 3M Nontenured Faculty Grant (2010), NSF CAREER award (2010), and NML Researcher Award (2016).