凝聚态物理前沿论坛

第五十讲

题　　目：Unconventional Routes to Colloidal Nanostructures

报 告 人：殷亚东 教授 University of California

时　　间：2017年7月2日 (周日) 上午 11：00

地　　点：固体所三号楼221会议室

报告摘要：

Colloidal inorganic nanostructures have been in the focus of research interest for over three decades due to their unique chemical and physical properties. Colloidal inorganic nanostructures are similar to artificial macromolecules in that they can be produced by joining monomer units together to form large ensembles through direct molecular reactions. In this talk, I will discuss the unconventional routes toward controlled nanostructure synthesis, 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 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). In 2003 he became a postdoctoral fellow at the University of California, Berkeley under the supervision of Prof. A. Paul Alivisatos, and then a staff scientist at Lawrence Berkeley National Laboratory in 2005. He joined the faculty at the Department of Chemistry, University of California, Riverside as an Assistant Professor in 2006, and then he was promoted to Full Professor in 2014. 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). He was ranked by Thomson Reuters among the Top 100 Chemists and Top 100 Materials Scientists in the world in the period of 2000-2010, as well as the Highly Cited Researcher in Chemistry (2014-2016) and Materials Science (2014), based on the citation impact. He is currently **an associate editor of the *J. Mater. Chem. C***, and also serves on the editorial board for *NPG Asia Mater.*, *Adv. Funct. Mater.*, *SCI. CHI. Mater.*, *and ChemNanoMat*.