

## Post Doctoral Position

A Post-doctoral position is available immediately for a PhD scientist in our synthetic polymer program. We are developing alternative chemistries to produce the world's most important hydrocarbon polymers. We have developed efficient catalytic processes for the controlled synthesis of perfectly linear hydrocarbon polymers. The chemistry utilizes C1 carbon sources rather than traditional C2 olefins. Current research focuses on integrating this chemistry with renewable biomass as the carbon source, and developing controlled routes to substituted carbon backbones and novel polymer topologies. (*Acc. Chem. Res.*, **2010**, *43*, 1420-1433, "The Living Polymerization of Ylides." A Chapter in *Complex Macromolecular Architectures: Synthesis, Characterization, and Self-Assembly*, John Wiley & Sons, **2011**, *J. Am. Chem. Soc.* **2007**, *129*, 4981-4991, *Macromolecules*, **2006**, *39*, 7196-7198, *Macromolecules*, **2005**, *38*, 7286-7291, *J. Am. Chem. Soc.* **2003**, *125*, 12179-12195, *Macromolecules*, **2002**, *35*, 8830-8837, *J. Am. Chem. Soc.* **2002**, *124*, 3636-3646)

We are seeking an individual with a strong background in synthetic and mechanistic organic chemistry. Interested candidates should email CV with cover letter and contact information of at least 2 references (address, email, phone number) to: Professor Ken Shea, Department of Chemistry, University of California, Irvine, CA, 92617, ([kjshea@uci.edu](mailto:kjshea@uci.edu))