

Post Doctoral Position

A Post-doctoral position is available immediately for a PhD scientist in our synthetic antibody program. Our laboratory has been interested in the design, synthesis and evaluation of synthetic polymer nanoparticles with antibody-like affinity and selectivity for peptides and proteins. Recent findings have demonstrated therapeutic efficacy (peptide toxin neutralization) *in vivo*. (*Angew. Chem. Int. Ed.* **2006**, *45*, 2392-2396, *J. Amer. Chem. Soc.* **2008**, *130*, 15242-15243, *Small*, **2009**, *5*, 1562–1568, *ACS Nano*, **2010**, *4*, 199-204 *J. Am. Chem. Soc.* **2010**, *132*, 6644-6645, *J. Am. Chem. Soc.* **2010**, *132*, 13648 –13650). We are now developing protein/peptide capture agents for therapeutic and diagnostic applications as well as for biomacromolecule isolation and purification.

We are seeking an interdisciplinary scientist to conduct research at the bio-nano interface. The scientist's key responsibilities will include the design, synthesis and testing of synthetic antibody nanoparticles and developing bioanalytical techniques for evaluating protein/peptide-nanoparticle interactions. The work is interdisciplinary spanning synthetic polymer chemistry, chemical biology and bioanalytical chemistry. A familiarity with peptide/protein arrays is helpful but not necessary.

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)