KATIE MEGLEY

University of California, Berkeley

Katie Megley is a pre-doctoral student at University of California, Berkeley in BioEngineering under the mentorship of Dr. Matthew Tirrell. The focus of her research is to investigate unique shear sensative peptide amphiphiles for use as a bioactive hydrogel for tissue engineering. Specifically Katie hopes to use this bioactive gel to enhance neural and bone tissue repair following a tramautic injury.

She holds a B.S. degree in Chemical Engineering from Northeastern University. At Northeastern, she completed three full time, six month coop rotations as part of her degree requirements at Northeastern. During these rotations Katie had the opportunity to work at Albany International, in the materials research goup, Genzyme, in the biomaterials group, and Charles Stark Draper Laboratory in the biomedical engineering group. At Albany her research focused on polymer chemistry and mechanical analysis. At Genzyme she assisted in development of a second generation autologous cartilage repair system and was able to participate in preclinical animal model research. Finally at Draper she lead a project to use silk microfluidics devices, in collaboration with Tufts University, as wound healing structures. The results of this work were recently published in Materials special issue.