

PUBLICATIONS

Chen Guo¹, Heejae Kim¹, Elisa M. Ovadia¹, Christine M. Mourafetis, Mingrui Yang, Wilfred Chen, April M. Kloxin, Bio-Orthogonal conjugation and enzymatically triggered release of proteins within multi-layered hydrogels, *Acta Biomaterialia*, (2016). *Submitted*.

Amber M. Hilderbrand¹, Elisa M. Ovadia¹, Matthew S. Rehmann, Prathamesh M. Kharkar, Chen Guo, April M. Kloxin, Biomaterials for 4D stem cell culture, *Current Opinion in Solid State and Materials Science*, 20, 212-224, (2016).

Kevin V. Solomon, Elisa M. Ovadia, Fujio Yu, Watary Mizunashi, Michelle A. O'Malley. Mitochondrial targeting increases specific activity of a heterologous valine assimilation pathway in *Saccharomyces cerevisiae*. *Metabolic Engineering Communication*, 3, 68-75, (2016).

PRESENTATIONS

EM Ovadia, DW Colby, AM Kloxin. (2016) Controlling differentiation of induced pluripotent stem cells into neurons in well-defined, hydrogel-based microenvironments. American Chemical Society, San Diego, CA; oral presentation

EM Ovadia, DW Colby, AM Kloxin. (2016) Controlling differentiation of induced pluripotent stem cell in well-defined, hydrogel based microenvironments. University of Delaware Winter Research Review, Newark, DE; poster presentation

TEACHING EXPERIENCE

Teaching Assistant, Random Variability in Chemical Processes, **2014**
Professors: Joshua Enszer & Douglas Buttrey

Teaching Assistant, Fluid Mechanics, Professor: Prasad Dhurjati **2016**

LEADERSHIP & OUTREACH

University of Delaware K-12 Summer Camp

Biomimicry and Hydrogels **2016**

GFP Transformation in *E. coli* **2015**

- Developed science outreach demos
- Lead outreach event for kids ages 7-14

UCSB Green Campus Program **2010-2013**

Treasurer Intern, The Alliance to Save Energy

- Responsible for \$3000 annual budget and implemented campus sustainability projects
- Implemented five stationary bicycles to generate energy to Recreation Center grid with a \$6500 grant from UCSB's Green Initiative Fund
- Conducted building energy audits with UCSB's Physical Facilities for US Green Building Council LEED Certification

UCSB Institute for Energy Efficiency (IEE) **Summer 2011**

Personal Assistant

- Organized speaker presentations for the IEE Energy Leadership Lecture Series
- Assisted in planning the annual Santa Barbara Summit on Energy Efficiency
- Re-organized IEE's financial accounts and assisted with various office tasks