



Associate Prof. Jennifer Lu
Director of Nanomaterials Center
for Energy and Sensing
School of Engineering
University of California, Merced,
CA 95344, USA
Phone number: 209-228-2503
Email: jlu5@ucmerced.edu Website:
www.jlulab.com
maces.ucmerced.edu/

Graduate Student Positions

The Functional Nanomaterial Research Laboratory directed by Dr. Jennifer Lu, is developing hierarchical transducer material platforms for energy conversion, storage and sensing. There are two openings for graduate student researchers in Dr. Jennifer Lu's lab. We are looking for proactive and self-motivated students to join our exciting research team working at the forefront of functional materials through rational design of molecular structures and controlled assembly at the nano- and micro- scale. In particular, we are looking for *highly motivated* students with laboratory experience and knowledge in materials synthesis and characterization. Hands-on experience in either inorganic nanomaterials or organic/polymer synthesis is a plus. Students will have a chance to spend a significant amount of time working at the National Laboratories and NASA facilities. Immediate openings are available on following projects:

- carbon-based hierarchical structure design and synthesis for energy storage and conversion;
- synthesis of small molecule model systems and corresponding polymers for low energy triggered mechanoreponse platform for actuating, sensing and energy harvesting. (*e.g.* Nature Chemistry, Nat. Chem. 2013, 5, 1035).

Students with bachelor or master degrees in Chemistry, Materials Science and Engineering, Physics or relevant domains are preferred. Please contact Jennifer Lu at jlu5@ucmerced.edu for additional information.

UC Merced, the tenth UC campus, is located near the foothills of Yosemite. It is a 2 hour drive to San Francisco and the beautiful Monterey bay. Prof. Lu is the Center Director for the Merced NAnomaterials Center for Energy and Sensing (MACES), sponsored by NASA.