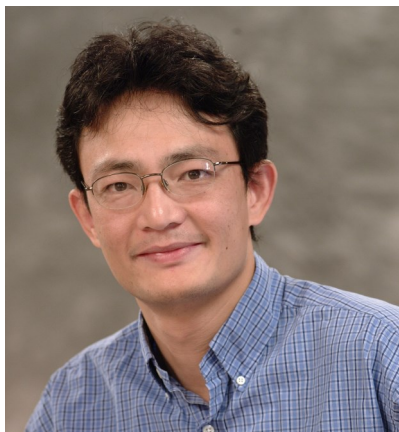


Chemical & Biomolecular Seminar Series



Yunfeng Lu

Professor

Chemical & Biomolecular
Engineering

University of California,
Los Angeles

Friday, October 28, 2016

10:00—11:00 a.m.

102 Colburn Lab

Yunfeng Lu is a professor of Chemical and Biomolecular Engineering at the University of California, Los Angeles. He received his B.S. in Jilin University, M. S. in Chinese Academy of Sciences and Ph.D. from the University of New Mexico and postdoctoral training at the Sandia National Laboratories. He received the Presidential Early Career Awards for Scientists and Engineers, DOE Defense Programs Early Career Scientist and Engineer Award and Unilever award. His research interest focuses on design and synthesis of nanomaterials for energy storage, catalysts, and biomedical applications.

Life is Good: A Journey from Energy Storage to Protein Therapeutics

Human civilization has been driven by harvest and utilization of solar energy. Developing better technologies leading to more effective energy harvest and utilization is being emerged as one of the most essential research themes. In this presentation, two topics, energy storage and protein therapeutics, will be covered. The first topic will focus on design and fabrication of electrochemical devices such as supercapacitors, batteries, and fuel cells. Recognize that living organisms are made from basic elements (e.g., C, O, H, N and P), consume energy and reproduce themselves through the carbon and nitrogen cycles. Among various biomolecules, protein plays the most essential functions in living organisms. The second topic will focus on design and fabrication of protein therapeutics.