

**CALIFORNIA STATE UNIVERSITY, FULLERTON**  
*Department of Chemistry and Biochemistry*

# Summer Undergraduate Research

*(Application for 2010-2012 grant renewal pending)*  
Sponsored by the National Science Foundation - REU

Applications are invited from students who are sophomores or juniors, majoring in a chemistry-related subject, who wish to spend the summer of 2010 conducting research in chemistry or biochemistry at California State University, Fullerton. The ten-week program runs from June 1 to August 6. Funding from NSF-REU, the National Science Foundation Research Experiences for Undergraduates program provides stipends of \$5,000 for the ten-week period plus housing and round trip travel costs for out-of-town participants. Local travel assistance is also available for residents of the greater Los Angeles/Orange County area. We provide a strong supportive environment for "late-bloomers" and re-entry students, and women and minority students are especially encouraged to apply.

### Faculty and Their Research Areas:

- ◆ Dr. Peter de Lijser (organic): Reactive Intermediates in Chemical and Enzymatic Oxidation Pathways; Synthesis and Modeling of Medicinal Compounds
- ◆ Dr. Barbara Gonzalez (chemical education): Applying Constructivist Constructs of Conceptual Change and Computer Technology to Learning and Problem Solving in Chemistry
- ◆ Dr. Paula Hudson (analytical/physical): Atmospheric Chemistry of Climate Change
- ◆ Dr. Zhuangjie Li (analytical/physical): Kinetics of Atmospheric Reactions
- ◆ Dr. Maria Linder (biochemistry): Structure, Cloning, & Regulation of Serum Ferritin and Copper Transport Proteins
- ◆ Dr. Christopher Meyer (biochemistry): Structure/Function Studies of Bacterial ADPglucose Pyrophosphorylases
- ◆ Dr. Madeline Rasche (biochemistry): Characterization of Enzymes Involved in the Biosynthetic Pathways of Archaeal Coenzymes
- ◆ Dr. Hal Rogers (inorganic/organic): Reactions, Mechanisms, and Structures of Organometallics
- ◆ Dr. Chandra Srinivasan (biochemistry): Transition Metal Metabolism in *C. elegans*

Submit your application form to:  
**Dr. Mark S. Filowitz**  
NSF-REU Co-Director  
California State University, Fullerton  
P.O. Box 6850  
Fullerton, California 92834-6850  
FAX: (657) 278-5390

For additional information:  
**PHONE: (657) 278-2638**  
**E-MAIL: [mfilowitz@fullerton.edu](mailto:mfilowitz@fullerton.edu)**

Application forms also available at:  
**<http://chemsrvr2.fullerton.edu/reu/reu.html>**

**APPLICATION DEADLINE: March 12, 2010**