UCLA

MCTP
Materials Creation Training Program

MCTP Bridge Program

A Science and Engineering
Paid Summer Research Internship
July 5 – August 13, 2011

Incoming CalState (CSU) and CalPoly students accepted to UCLA science or engineering graduate programs are eligible for a paid, six week summer research internship with a member of the UCLA Materials Creation Training Program (MCTP) faculty. Students from underrepresented groups who have graduated from other institutions are also encouraged to apply.

The internship will begin the summer preceding the start of the graduate program. Students will participate in research with advanced research instrumentation equipment and work on a collaborative research project with an MCTP faculty advisor. They will also present a poster based on their research at the Fall MCTP Symposium at UCLA.

The program is only open to students accepted into one of the following UCLA graduate programs: Biomedical Engineering, Chemical and Biomolecular Engineering, Chemistry and Biochemistry (Inorganic, Organic and Physical), Electrical Engineering, Materials Science and Engineering, Mechanical and Aerospace Engineering, or Physics and Astronomy.

The MCTP Bridge Program is funded by the National Science Foundation, therefore applicant eligibility is limited to U.S. citizens and permanent residents.

Application Deadline: May 31, 2011

Program application can be found at http://mctp.cnsi.ucla.edu.
For more information please contact Laurie Ultan-Thomas at lut@cnsi.ucla.edu.

C (N) S I
California NANOSystems Institute

National Science Foundation
WHERE DISCOVERIES BEGIN

MCTP Training Faculty
2010-2011

Principal Investigator and IGERT Program Director

Robin L. Garrell*	Chemistry & Biochemistry Member, Biomedical Engineering Interdepartmental Ph.D. program (BME)	Surface chemistry and Bio NEMS

Co-Principal Investigators and IGERT Program Co-Directors

Bruce Dunn*	Materials Science & Eng/BME	Inorganic hybrid materials
Richard B. Kaner*	Chemistry & Biochemistry/ Materials Science & Eng	Nanofiber synthesis/sensors
Sarah H. Tolbert*	Chemistry & Biochemistry	Templated nanostructures

Faculty Participants

Stuart Brown	Physics & Astronomy	Electronic materials
Jane P.-C. Chang*	Chemical & Biomolecular Engineering	Materials electrochemistry
Yong Chen*	Mechanical & Aerospace Engineering	Ultra-high density electronics
Timothy Deming*	Materials Science/BME	Polypeptide synthesis, self-assembly
Xiangfeng Duan*	Chemistry & Biochemistry	Nanoscale materials
Miguel A. Garcia-Garibay*	Chemistry & Biochemistry	Functional solids/rotary ferroelectrics
George Grüner*	Physics & Astronomy	Biosensors
Chih-Ming Ho	Mechanical & Aerospace Engineering	Microfluidic devices & sensors
Kendall N. Houk*	Chemistry & Biochemistry	Computational chemistry
Yu Huang*	Materials Science & Engineering	Nanostructures, nanoelectronics, biomaterials
Andrea Kasko*	Bioengineering	Biomaterials
Chang-Jin Kim*	Mechanical & Aerospace Engineering	MEMS, nanodevices
Heather Maynard*	Chemistry & Biochemistry/BME	Biohybrid material synthesis
Jianwei Miao*	Physics & Astronomy	Coherent imaging
Harold G. Monbouquette*	Chemical & Biomolecular Engineering	Biosensors & bioelectrochemistry
Vidvuds Ozolins *	Materials Science & Engineering	Electronic theory
Qibing Pei*	Materials Science & Engineering	Artificial muscles
Yves Rubin	Chemistry & Biochemistry	Fullerene materials, solar cells
Benjamin J. Schwartz*	Chemistry & Biochemistry	Ultrafast spectrsc./conducting solids
Tatiana Segura*	Chemical & Biomolecular Engineering	Biomaterials/tissue engineering
Selim Senkan	Electrical Engineering	Catalysis and combustion
Kang L. Wang*	Electrical Engineering	Electronic characterization
Paul S. Weiss*	Chemistry & Biochemistry	Nanoscience, molecular devices, chemical patterning
Yang Yang*	Materials Science & Engineering	Molecular memory devices
Hong Zhou*	Microbiology, Immunology & Molecular Genetics	Cryo-electron microscopy of nano scale materials

*****Member of the California NanoSystems Institute (CNSI)