

## MEP/MSP Student of the Month



### **Karina Kangas**

Major: Chemistry B.S

Mentor: Dr. Diane Smith

Department Chemistry & Biochemistry

As an undergraduate, Karina has participated in the Compact Scholars, LSAMP, MBRS and MSP programs

### **Scholarships and Awards**

- Invited to the University of Michigan Biomedical Sciences PREVIEW
- 1<sup>st</sup> Place at The Electrochemical Society Meeting for Poster presentation in Electrochemistry & Technology
- San Diego Mesa Alliance 16<sup>th</sup> Annual Calculator Olympics 2<sup>nd</sup> place Winner
- NIH Minority Biomedical Research Support (MBRS) Scholar
- Louis Stokes Alliance for Minority Participation (LSAMP) Scholar
- Member, SDSU Phi Eta Sigma Honor Society
- Awarded, Compact Scholars Scholarship
- Awarded, STEP Partnership of San Diego Participation Award - funded by the National Science Foundation
- Awarded, MESA Engineering Program/Maximizing Science Potential (MEP/MSP) Scholarship

### **Research Presentations**

*Very Strong Redox-Dependent Hydrogen Bonding between a bis-Dimethylaminophenylurea and a Cyclic Diamide*

- 5/2009 215<sup>th</sup> General Meeting of the Electrochemical Society, San Francisco, CA
- 4/2009 American Chemical Society Southern California Undergraduate Research Conference in Chemistry and Biochemistry, (USC) Los Angeles, CA
- 1/2009 2<sup>nd</sup> Annual San Diego State Undergraduate Research Symposium

### **Publications**

- Valdez, C.; Tripp, J.; Miyamoto, Y.; Jarowslaw, K.; Hruz, P.; Andersen, Y.; Brown, S.; Kangas, K.; Arzu, L.; Davids, B.; Gillin F.; Upcroft J.; Upcroft, P.; Fokin V.; Smith, D.; Sharpless, K.B.; Eckmann, L. 'Synthesis and Electrochemistry of 2-Ethenyl and 2-Ethanyl Derivatives of 5-Nitroimidazole and Antimicrobial Activity against *Giardialamblia*'
- Kangas, K; Woods, J; Smith, D. *Very Strong Redox-Dependent Hydrogen Bonding between a bis-Dimethylaminophenylurea and a Cyclic Diamide* (Manuscript in Preparation)