

CHRISTINA TANG

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EDUCATION

Ph.D. candidate, Chemical and Biomolecular Engineering, North Carolina State University, Raleigh NC

Minor: Biotechnology

Dissertation Research: "Enzyme Immobilization on Nanofibrous Supports"

Advisor: Saad A. Khan

Honors: GAANN Biotechnology Fellowship

Arthur B. Moss International Travel Grant

B.S. General Engineering, Harvey Mudd College, Claremont, CA, 2007

Honors/Awards: Graduated with Distinction (GPA 3.55/4.0), Dean's List 2004-2007, National Merit

Scholarship: Crompton Corporate Scholarship

RESEARCH

Graduate Research Assistant, North Carolina University, Raleigh, NC 08/07 - Present

- Fabrication and characterization of immobilized enzymes on nanofibrous supports for catalysis and biosensors

Undergraduate Researcher, Harvey Mudd College, Claremont, CA 1/07 to 6/07

- Fabrication and characterization of thin polymer films and nanocomposites for gas separations

Research Assistant, UCI Beckman Laser Institute, Irvine, CA Summer 2005

- Fabrication and characterization of tissue phantoms with tunable optical properties

EXPERIENCE

North Carolina State University, Teaching Assistant 2008

- CHE311H Transport Processes I
 - Held office hours, graded homework and exams, created and maintained course website
- CHE225 Introduction to Engineering Analysis
 - Held office hours, gave Matlab tutorials, graded exams

Harvey Mudd College

Grader

1/06 to 5/07

- ENG106 Materials Engineering
- ENG132 Heat Transfer
- ENG80 Experimental Engineering
 - Monitor student safety and lab procedures, evaluated student performance and improvement

RELAVENT PROFESSIONAL ACTIVIES

- Preparing the Professoriate, North Carolina State University

PUBLICATIONS

Tang, C., Saquing, C.D and Khan, S.A. “Enzyme Immobilization on Nanofibrous Supports for Food Processing”. *Proceedings of the 5th International Symposium on Food Rheology and Structure*, Zurich, Switzerland (2009) [accepted]

PRESENTATIONS

Chu, A., **C. Tang**, and S.A. Khan. “Electrospun Nanofibers of Enzymatically-modified Polymers for Drug Delivery.” Nanofibers for the 3rd Millennium, March 2009, Prague, Czech Republic

Tang, C., C.D. Saquing, R.M. Kelly, and S. A. Khan. “Enzyme Immobilization on Nanofibrous Supports for Food Processing” International Symposium on Food Rheology and Structure, June 2009, Zurich, Switzerland.

Tang, C., C.D. Saquing, R.M. Kelly, and S. A. Khan. “Enzyme Immobilization on Nanofibrous Supports” (Poster) Annual Schoenborn Research Meeting, January 2009, Raleigh, NC.

Tang, C., C.D. Saquing, R.M. Kelly, and S. A. Khan. “Enzyme Immobilization on Nanofibrous Supports” (Poster) Molecular Biotechnology Research Symposium, October 2008, Raleigh, NC

Bermudez, Mayeda, Urowsky, Dinolov, Hubbard, Schalliol, **Tang**, Kim, Vine, Lape, N. “Gas Transport in Poly(dimethylsiloxane)-SiO_x Composite Films: Effects of Filler Size Variation from Micro- to Nanoscale” (Poster) International Congress on Membranes and Membrane Processes Conference, July 2008, Honolulu, HI.