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## Christopher J. Tervo

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- Education: Bachelor of Chemical Engineering w/ Distinction, Minors in Chemistry and Mathematics  
September 2005- May 2009  
University of Minnesota, Twin Cities  
Institute of Technology  
Minneapolis, MN
- Ph.D in Chemical Engineering  
August, 2010 - Present  
University of Wisconsin, Madison  
College of Engineering  
Madison, WI
- Research Experience: Hoye Labs, University of Minnesota Jan 2007- Dec 2007  
Undergraduate Research Assistant, Minneapolis, MN  
In Hoye Labs, I worked with a graduate student on a number of total synthesis projects. I created a variety of intermediate reactants and investigated a series of potential reaction pathways. Additionally, I was involved in a side project investigating the potential of an analytical NMR technique.
- Wiedmann Research Group, College of Pharmacy, University of Minnesota Jan 2008- May 2008  
Undergraduate Research Assistant, Minneapolis, MN  
I synthesized superparamagnetic nanoparticles used for the purpose of targeted drug delivery and measured the moiety's deposition efficiency in glass tubes designed to model the trachea of hamsters and humans using a variety of analytical techniques and equipment.
- Maric Research Group, McGill University May 2008- August 2008  
Undergraduate Research Assistant, Montreal, QC  
I determined the kinetics of the polymerization of t-butyl acrylate and styrene for a variety of mole fractions and initiator concentrations in an effort to produce a material with a porous microstructure of interest. Kinetic coefficients, equilibrium constants, and polydispersity indices as a function of time were collected for true block polymers as well as tapered copolymer products. I also performed preliminary investigations into methacrylate systems as a viable alternative to the acrylate reagents to create a more monodisperse polymer product.
- Teaching Experience: University of Minnesota Organic Chemistry Tutor/Grader Sept 2007- Dec 2007  
I tutored students for the University of Minnesota organic chemistry program once a week for a semester and also was responsible for grading exams for select professors. My efforts lead to my being offered a T.A. position, which I declined in order to pursue research more actively.
- Activities: Member, Tau Beta Pi Jan 2008- present  
Member, AIChE Sept 2007- present
- Honors: Institute of Technology's Dean's List Fall 2005, Spring/Fall 2006, Spring 2008, Fall 2008, Spring 2009  
University of Minnesota Institute of Technology Honors Program 2005- 2009  
Completed Institute of Technology's Lower Division Honors Program May 2007  
Recipient of the Bentson Scholarship 2005-2009  
Undergraduate Research Opportunities Program Award Recipient Spring 2008  
Summa Cum Laude Spring 2009  
Recipient of Genomic Sciences Training Program Traineeship Spring 2010  
NSF Honorable Mention Spring 2010
- Publications: "High-Molecular-Weight Poly(tert-butyl acrylate) by Nitroxide-Mediated Polymerization: Effect of Chain Transfer to Solvent", *Macromolecular Reaction Engineering*, **2009**, 3, p. 245-246
- "Poly(tert-butyl methacrylate/styrene) Macroinitiators as Precursors for Organo- and Water-Soluble Functional Copolymers Using Nitroxide-Mediated Controlled Radical Polymerization", *Macromolecules*, **2009**, 4, p. 868-878
- Presentations: "Deposition of Magnetic Aerosol Particles for the Respiratory Delivery of Drugs" Undergraduate Research Symposium. May 2008