

Gregory Terho

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Education

- **Masters of Science**, Chemistry
Colorado State University – Fort Collins, CO
Expected graduation: Fall 2014
GPA: 3.836
- **Bachelors of Science**, Chemistry
State University of New York College at Fredonia – Fredonia, NY
Graduated: May 2012
GPA: 3.23
Minors: Physics

Scientific Skills and Proficiencies

- *Synthesis* – Solid-state synthesis techniques including some glass blowing and crystal growth
- *X-ray Diffraction* – Experienced in preparing samples for and running powder x-ray diffraction and associated data analysis
- *Analytical Techniques* – FTIR spectroscopy, UV/vis spectroscopy, NMR spectroscopy, HPLC, GC, column chromatography, pH measurements, titrations
- *Biological Techniques* – Experience in running PCR, western blots, vector cloning
- *QA/QC experience in a cooperate environment*

Work Experience

Barilla America Inc. – Avon, NY
Quality assurance laboratory intern June 2011 – Aug. 2011

- Assisted the quality assurance lab in maintaining a high standard of products.
- Ran near infrared analysis of the semolina flour and finished pasta for moisture and protein content.
- Performed quality assurance measurements of sauces and vegetable purees for properties such as pH, viscosity, and color.
- Swabbed holding tanks and pumps for microbiological contaminants before and after cleanings.

University of Rochester Medical Center – Rochester, NY
Laboratory technician Summers 2009 & 2010

- Extracted DNA from mice and performed PCR on the DNA that was obtained.
- Learned the procedure and ran vector cloning experiments.
- Performed hypoxic experiments on glia cells, collected protein from the cells, and ran western blots to determined what proteins were present.

Other Experience

Colorado State University – Fort Collins, CO
Graduate teaching assistant Aug. 2012 - Present

- Taught general chemistry labs, general chemistry recitation, and general physics lab.
- Responsible for helping students in lab/ class and grading assignments outside of lab/ class.

College Tutoring Services – Fredonia, NY
Tutor Sept. 2011 – May 2012

- Responsible for both one-on-one tutoring and drop-in tutoring for general, organic, analytical, and physical chemistry.