

# Qiang Liu

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## Objective

A science intern position where skills in problem solving, teamwork, communication, and scientific techniques and reasoning can be learned and expanded upon in a competitive research environment.

## Education

Pennsylvania State University  
*University Park Campus*

Expected Graduation: May 2011

- Double Major: Toxicology, Immunology and Infectious Diseases
- Cumulative GPA: 3.91
- Related Courses: Organic Chemistry, Biochemistry, Immunology, Pharmacology, Toxicology

## Experience

Research Assistant

Jun 2009 – Aug 2010

*Center for Molecular Toxicology and Carcinogenesis, Pennsylvania State University*

- Independently conducted research experiments examining the effects of drugs and molecular markers on cancer diagnosis and development.
- Analysis of experimental data and results. Collaborated with co-workers on numerous experiments.
- Techniques mastered include PCR agarose gels, protein isolation, SDS-PAGE and western blot analysis using ECL and Streptavidin, isolating mRNA and real-time PCR using SYBR-green, and isolating and plating primary keratinocytes from mice.

Teaching Assistant

Sept 2010 - Present

*Department of Biology, Pennsylvania State University*

- Teach general biology science knowledge and techniques to students in a wet-lab setting. Enable students to apply lecture material to experiments through inquiry by the scientific method.
- Co-operate with co-workers during meetings when problem-solving.

## Achievements

- Dean's List: every semester Sept 2008 – May 2010.
- Published article "The uremic toxin 3-indoxyl sulfate is a potent endogenous agonist for the human aryl hydrocarbon receptor" in *Journal of Biochemistry*; PubMed ID 20000589.