

Name

Campus: 000 Happy Street • PO Box 00000 USC • Columbia, SC 29225 • W: (000)-000-0000 C:(000)-000-0000
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EDUCATION

Bachelor of Science in Chemistry (ACS-certified Program of Study) - May 2007

University of South Carolina, Columbia, SC

- Dean's Honor List Recipient (Fall 2002, Fall 2006)

TECHNICAL SKILLS

- Work extensively with UV-Vis Spectroscopy, and assay development techniques
- Knowledgeable of FT-IR and NMR, Thin Layer Chromatography (TLC), Rapid Chromatography, High Performance Liquid Chromatography (HPLC)
- Proficient with Microsoft Office 2003, Maple 9.0, IGOR Pro, ChemDraw, and Statistical Analysis programs including Statistica and SYSTAT

EXPERIENCE

Undergraduate Research Assistant, University of South Carolina, Columbia, SC 2006-Present

Research Advisor: Dr. John J. Lavigne, Graduate Student Research Advisor: Toby L. Nelson

- Detect and quantify histamine and other biogenic amines in fish extracts using a carboxylic acid functionalized polythiophene
- Develop assay conditions to create a polymer-based sensor array for detecting the quality of fish
- Conduct tuna fish assays using a spectrophotometer and an absorbance plate reader in comparison to chromatography methods

Undergraduate Teaching Assistant, University of South Carolina, Columbia, SC 2005-Present

Director of General Chemistry Labs: Lori Amato

- Supervise and instruct students in undergraduate general chemistry laboratory experiments
- Administer exams and graded laboratory papers
- Aid students with online homework problems and exam preparation

Server/Hostess, Outback Steakhouse, Columbia, SC 2003-2005

- Trained new employees and managed cash receipts totaling \$500+ daily
- Served 100+ customers per work shift

PUBLICATIONS

Ivy Tran, Toby L. Nelson, Marc S. Maynor, John J. Lavigne*, Use of a Conjugated Poly-Based Sensor Array to Detect the Quality of Fish. *Polym. Prepr. Am. Chem. Soc. Div. Polym. Chem.* 2006

Toby L. Nelson, , Tim G. Ingallinera, **Ivy Tran**, Marc S. Maynor, and John J. Lavigne*. Identification and Discrimination of Biogenic Amines Using a Cross-reactive Conjugated Polymer. 2006 (Manuscript in Preparation)

ACTIVITIES/ORGANIZATIONS

Professional Affiliations

- American Chemical Society-Student Affiliate
- American Chemical Society Student Affiliates (2005-Present) USC-Columbia Chapter President (2007)
- South Carolina Academy of Science-Student Member (2006-2007)

Extracurricular Activities

- Private Tutor for general chemistry/organic chemistry (2003-Present)
- Competitive Equitation- National Equestrian Federation Member
- Private Instrumental (Clarinet) Instructor (2002-2004)
- Volunteer for The Big Brothers and Big Sisters Program (2003-2005)