Amanda Buelk

Education

University of Washington, Seattle, WA
Master of Science in Chemistry, June 2009
Department of Chemistry
GPA: 3.85/4.0

College of Charleston, Charleston, SC
Bachelor of Science in Biochemistry, May 2007
Bachelor of Arts in Chemistry, May 2007
Minor: Religious Studies
GPA: 3.84/4.0 Honors Program, *Magna cum Laude*

Work Experience

College of Charleston, Department of Chemistry and Biochemistry, Charleston SC
Adjunct Faculty, September 2009 to current
- Instruct classes of up twenty students in general and organic chemistry laboratory concepts
- Demonstrate correct laboratory techniques and behavior
- Evaluate students based on performance in lab and on written exams

MWV Specialty Chemicals Division, North Charleston SC
Lead Chemist, Adhesives, April 2012 to June 2013
- Optimized processes and materials for translation to larger scale plant production of adhesives
- Managed lab supplies and maintained safety protocols

Medical University of South Carolina, Department of Pharmacology, Charleston SC
Research Specialist II, September 2009 to April 2012
- Organized and maintained laboratory space and supplies
- Maintained mammalian cell lines in tissue culture
- Troubleshot new experiments and optimized protocols for maximum efficiency

University of Washington, Department of Chemistry, Seattle WA
Teaching Assistant, September 2007 to June 2009
- Reviewed major concepts of general and organic chemistry in a classroom setting
- Held additional study sessions for students before exams
- Explained experimental procedures and enforced safety rules in laboratory

Research Assistant, Advisor: Dustin Maly, June 2007 to June 2009
- Designed and carried out experiments
- Followed scientific protocols, lab safety rules and waste disposal procedures
- Trained other lab members on specific software and equipment

Publications

- Ranjitkar, P., Brock, A., Maly, D.J. (2010). Affinity Reagents That Target a Specific Inactive Form of Protein Kinases. *Chemistry & Biology*, 17, 195-206.
- Krishnamurty, R., Brock, A., Maly, D.J. (2011). Protein Kinase Affinity Reagents Based on a 5-Aminoindazole Scaffold. *Bioorganic & Medicinal Chemistry Letters*, 21, 550-554.

Skills and Certifications

- Experienced with basic operation of NMR, GPC, HPLC, FTIR, LC-MS and GC-MS
- Proficient with ChemDraw, Microsoft Word, Excel, and PowerPoint

References available upon request.