Adam C. Myers, Ph.D.

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Education:

Ph.D. in Organic Chemistry, Purdue University, West Lafayette, IN (2000-2005)

- Research Advisor: Mark A. Lipton, Associate Professor of Chemistry
- Dissertation: Part I. Design and Synthesis of Ureidopeptides as Protease Inhibitors, Part II. Novel Synthesis of a Fluorescent Coumaryl Amino Acid
- Cumulative graduate GPA: 3.65

B.S. in Honors Chemistry and Biochemistry, Purdue University, West Lafayette, IN (1996-2000)

- Minor in French
- Undergraduate Research Advisor: Mark A. Lipton, Associate Professor of Chemistry
- Cumulative undergraduate GPA: 3.72

Work Experience:

SSCI, a Division of Albany Molecular Research, Inc. (AMRI), West Lafayette, IN (July 2014-present)

- *Senior Research Investigator – Preformulation (October 2015 to present)*
- *Research Investigator – Preformulation (July 2014 to September 2015)*
    - Perform independently hands-on experimental work utilizing chromatography, mass spectrometry, UV-Vis, dissolution, and other analytical techniques in a cGMP laboratory setting.
    - Provide project oversight, client interactions, and scientific input.
    - Conduct scheduled preventive maintenance and qualification of equipment.
    - Develop and write analytical methods and operating procedures according to specific sample or testing requirements.
    - Participate in troubleshooting of analytical test methods and laboratory instruments.
    - Prepare experimental protocols and interim and final reports.
    - Participate in business development including preparation of client proposals and quotes.

BASi, West Lafayette, IN (November 2007-July 2014)

- *Senior Scientist/Team Leader (January 2014 to July 2014)*
- *Director Pharmaceutical Scientific Operations (August 2012 to January 2014)*
    - Provide leadership to a lab conducting both cGMP and GLP projects. Responsible for projects from initial client interaction through completion.
    - Develop, document, and validate protocols, method, and techniques for release, stability, *in vitro* bioequivalence, comparative binding, and toxicology dose formulation analysis testing using a variety of analytical techniques, including HPLC (UV, fluorescence, and electrochemical detection), IC, Dissolution, Particulate Matter, Karl Fisher, Polarographic Analysis, GC, and a variety of compendial testing techniques. Products analyzed include traditional dosing forms as well as drug-coated devices.
    - Oversee purchase, installation, verification, and training on new analytical instrumentation.
    - Provide technical advice to laboratory staff and troubleshoot laboratory issues.
    - Create and maintain templates for protocols, methods, reports, and other project-related documents.
    - Conduct business development activities for pharmaceutical analysis department.
    - Interact with current and potential clients to evaluate new business requests relative to internal capabilities, scope of the project, and business viability. Travel to visit potential and existing customers.

    - Work closely with QA to ensure proper regulatory compliance for laboratory operations. Serve as the primary technical representative for client and regulatory agency audits. Conduct audits of sub-contractor laboratories.
    - Coordinate with metrology to schedule instrument verification, maintenance, and repair.
    - Develop and maintain records to comply with appropriate regulatory requirements.
    - Supervise all pharmaceutical analysis laboratory staff, ensuring proper training and staffing resources. Schedule project work for the laboratory. Coordinate borrowed resources from other departments to ensure project completion.
    - Serve as administrator for corporate chromatography software.
    - Serve as primary safety trainer for corporate chemical safety.
- *Assistant Director, Pharmaceutical Analysis (February 2012 to August 2012)*
    - Provided scientific direction to a lab conducting both cGMP and GLP projects. Responsible for projects from assignment through completion.
    - Developed, documented, and validated protocols, methods, and techniques for release, stability, *in vitro* bioequivalence, and toxicology dose formulation analysis testing using a variety of analytical techniques, including HPLC (UV, fluorescence, and electrochemical detection), IC, Dissolution, GC, Particulate Matter, Karl Fisher, Polarographic Analysis, and a variety of compendial testing techniques. Products include traditional dosing forms as well as drug-coated devices.
    - Participated in purchase, installation, verification, and training on new analytical instrumentation.
    - Provided technical advice to laboratory staff and troubleshoot laboratory issues. Conducted laboratory work as needed, focused primarily on development activities.
    - Created and maintained templates for protocols, methods, reports, and other project-related documents.
    - Interacted with current and potential clients, in coordination with department director, to evaluate new business requests relative to internal capabilities, scope of the project, and business viability. Traveled to visit potential and existing customers.
    - Worked closely with QA to ensure proper regulatory compliance for laboratory operations. Served as a technical representative for client and regulatory agency audits. Conducted audits of sub-contractor laboratories.
    - Developed and maintained records to comply with appropriate regulatory requirements.
    - Supervised all pharmaceutical analysis laboratory staff, ensuring proper training and staffing resources. Scheduled project work for the laboratory.
    - Served as back-up administrator for corporate chromatography software.
    - Served on chemical safety committee.
- *Senior Scientist/Team Leader (November 2007-January 2012)*
    - Developed, documented, and validated protocols, methods, and techniques for release, stability, *in vitro* bioequivalence, and toxicology dose formulation analysis testing using a variety of analytical techniques, including HPLC (UV, fluorescence, and electrochemical detection), IC, Dissolution, GC, Particulate Matter, Karl Fisher, Polarographic Analysis, and a variety of compendial testing techniques.
    - Direct analysis of pharmaceutical products in a cGMP setting, as well as for GLP toxicology dosing samples. Sample types range from traditional dosing forms as well as drug-coated devices.
    - Prepared, edited, and approved project reports.
    - Maintained and developed client relationships.
    - Introduced new equipment to the company and conducted qualification on that equipment.
    - Back-up administrator for corporate chromatography software
    - Served on chemical safety committee.

Quadraspec, Inc., West Lafayette, IN (February 2006-September 2007)

- *Senior Manufacturing Chemist (February 2006-September 2007)*
    - Developed functional surface chemistries as platforms for protein micro-arrays used in diagnostic assay development. Efforts included design and synthesis (including

anhydrous techniques), analysis by HLPC, GC, Fluorescence, Interferometry, Goniometry, NMR, and FT-IR.
    - Conducted product transfer from development into cGMP manufacturing, including optimization for manufacturability.
    - Worked on product costing (labor and materials) and contributed to company cost-reduction efforts through chemical process improvements to manufacturing.
    - Coordinated supply and scheduling of multi-step chemical manufacturing processes, servicing multiple internal and external customers.
    - Supervised and trained a team of 7 manufacturing chemists and interns to produce diagnostic devices in a GMP manufacturing setting.
    - Served on interdisciplinary task forces for short-term projects.
    - Evaluated and qualified vendors, including site audits.
    - Conducted and supervised IQ/OQ/PQ of manufacturing equipment, as well as routine maintenance. This included maintenance and selection of company DI water systems.
    - Extensive documentation experience including Standard Operating Procedures and Batch Production Records
    - Contributed to patent writing and research for chemical applications, including extensive literature research.
    - Managed laboratory and facility renovation and improvement projects for the manufacturing spaces of the company, including clean room spaces.
- *Chemical Safety Officer (February 2006-September 2007)*
    - Designed and implemented the entire company safety system in compliance with OSHA, EPA, and DOT regulations. Wrote all documentation for emergency and safety procedures.
    - Designed and conducted chemical safety training for all employees, including initial and remedial training, as well as regular updates.
    - Conducted laboratory audits and remediation.
    - Sole responsibility for chemical waste handling, removal, and compliance.
    - Supervised area safety representatives from 8 departments.
    - Coordinated company PPE purchasing and service.
    - Coordinated all company access control.
    - Served on the company Change Control Board, reviewing all SOPs and other documents governed by good documentation practices.

Purdue University, West Lafayette, IN (August 2000 to December 2005)

- *Graduate Assistant, Department of Chemistry*
    - Synthesis of pseudopeptide protease inhibitors for HIV-1 and SARS
    - Synthesis of coumaryl amino acids
    - Biological assays of HIV-1 protease inhibition
    - Used multiple analytical instruments including HPLC, MS, and NMR
    - Financial management of research funds while advisor was on sabbatical
    - Taught undergraduate organic laboratories and assisted a graduate organic spectroscopy course
    - Supervised undergraduate researchers

Eli Lilly and Company (Summers 1998, 1999, and 2000)

- *Intern, Chemical Process Research and Development, Indianapolis, IN (Summer 2000)*
    - Supervisor: Dr. Tony Zhang
    - Conducted methodology development screening organo-metallic catalysts using parallel reactors
- *Intern, Research Records, Greenfield, IN (Summer 1998 and Summer 1999)*
    - Supervisor: Dr. Richard J. Loncharich
    - Supervised statistical sampling of corporate archives for compound degradation
    - Assisted in selection of third party compounds for acquisition
    - Chemical structure data and maintenance in corporate registration database. Skills include ISIS Draw, ISIS Base.

Publications:

- Barth, Benjamin S.; Myers, Adam C.; Lipton, Mark A. ***Exploring The Stereochemical Requirements For Protease Inhibition By Ureidopeptides***, *Journal of Peptide Research*. **2005**, *65*(3), 352-354.
- Myers, Adam C.; Kowalski, Jennifer A.; Lipton, Mark A. ***Facile Incorporation of Urea Pseudopeptides into Protease Substrate Analogue Inhibitors***, *Bioorganic and Medicinal Chemistry Letters.* **2004**, *14*, 5219-5222.

Presentations, Lectures, and Conferences:

Selected Oral Presentations

- Myers, Adam C. **Start-ups and research parks: Springboards to your chemical career**. Oral Presentation, 250th ACS National Meeting, Boston, MA, August 16-20, 2015.
- Myers, Adam C. **Career Preparation from the Laboratory and Beyond**. Oral Presentation, Chemistry Department Freshman Seminar, Purdue University, West Lafayette, IN, December 1, 2014 and February 24, 2015.
- Myers, Adam C.; Spann, Teresa. **Revised chromatographic determination of Gentamicin content in conformity with the August revision of the USP**. Oral Presentation, 246th ACS National Meeting, Indianapolis, IN, September 8-12, 2013.
- Myers, Adam C. **Career Preparation from Beyond the Laboratory**. Oral Presentation, Chemistry Department Freshman Seminar, Purdue University, West Lafayette, IN, February 19, 2013.
- Myers, Adam C. **ACS and the YCC**. Oral Presentation, ACS Leaders Conference, Dallas, TX, January 25, 2013.
- Myers, Adam C. **Contract Research at BASi: Partnering with Pharma and Career Opportunities**. Oral Presentation. Chemistry Department Colloquium, Valparaiso University, Valparaiso, IN, September 21, 2012.
- Myers, Adam C. **Chemical Career Strategies: Maximizing Your Toolbox**. Oral Presentation. St. Louis Younger Chemists Committee Seminar, Washington University, St. Louis, MO, February 23, 2012.
- Myers, Adam C. **But that wasn't my research area.** Oral Presentation. 242nd ACS National Meeting, Denver, CO, August 28-September 1, 2011.
- Myers, Adam C. **BASi: 1974 to the Present.** Oral Presentation. 42nd Meeting of the ACS Central Region, Indianapolis, IN, June 8-10, 2011.
- Myers, Adam C. **Chart your career course by filling your toolbox.** Oral Presentation. 241st ACS National Meeting, Anaheim, CA, March 27-31, 2011.
- Myers, Adam C. **Career Preparation From Beyond the Laboratory.** Oral Presentation. 234th ACS National Meeting, Boston, MA, August 19-23, 2007.
- Myers, Adam C.; Lipton, Mark A. **Role of ureidopeptides in protease inhibition.** Oral Presentation. 228th ACS National Meeting, Philadelphia, PA, August 22-26, 2004.
- Myers, Adam C.; Lipton, Mark A. **Synthesis of a novel ureidopeptide inhibitor of HIV-1 protease**. Oral Presentation. 225th ACS National Meeting, New Orleans, LA, March 23-27, 2003.
- Myers, Adam C. **A Proposed Total Synthesis of Nomofungin.** Oral Presentation, Organic Division Original Proposal, Purdue University, West Lafayette, IN, January 2003.

Selected Poster Presentations

- Zhao, Yinyan; Gasaway, Annalise; Myers, Adam C. **Application of a Gradient HPLC-UV Method for In Vitro Bioequivalence Assessment of Colesevelam Hydrochloride Tablet Formulations in Simulated Intestinal Fluid**. Poster Presentation. AAPS National Meeting, San Antonio, TX, November 10-14, 2013.
- Myers, Adam C.; Ludwig, Josef K.; Sassman, Jennifer L.; Henry, Jonathan W.; Zhao, Yinyan. **Method development for equilibrium and kinetic binding in vitro bioequivalence of Colesevelam Hydrochloride in simulated intestinal fluid (SIF)**. Poster Presentation. 243rd ACS National Meeting, San Diego, CA, March 25-29, 2012.

- Bannochie, Christopher J.; Myers, Adam C; Crawford, John C. **Subdivisions: Creating diversity within the Division of Professional Relations.** Poster Presentation, 240th ACS National Meeting, Boston, MA, August 22-26, 2010.
- Myers, Adam C.; Lipton, Mark A. **Synthesis of a novel ureidopeptide inhibitor of HIV-1 protease.** Poster Presentation. 38th National Organic Symposium, Bloomington, IN, June 2003

Continuing Education, Scientific and Professional Conferences:

- "Leading Change", ACS Leadership Institute, Dallas, TX, January 26, 2013.
- "Collaborating Across Boundaries", ACS Leadership Institute, Fort Worth, TX, January 21, 2012.
- "EC-1 Principles and Application of Electroanalytical Chemistry", BASi EC Training Workshop, West Lafayette, IN, March 8-9, 2011.
- "Engaging and Motivating Volunteers", ACS Leadership Institute, Fort Worth, TX, January 23, 2010.
- "Strategic Planning", ACS Leadership Institute, Fort Worth, TX, January 23, 2010.
- "Analytical Method Transfer of Pharmaceutical Products", ACS Short Course, Washington, D.C., August 18, 2009.
- "Fostering Innovation", ACS Leadership Institute, Fort Worth, TX, January 24, 2009.
- "Coaching and Feedback", ACS Leadership Institute, Fort Worth, TX, January 24, 2009.

Scientific and Professional Affiliations:

- American Chemical Society (ACS), 2000-Present
  - Purdue Local Section Chair, 2011 – present
  - Purdue Local Section Vice Chair, 2006 – 2010
  - Organizer, Small Chemical Business in the Purdue Research Park, September 2006
- ACS Division of Professional Relations, 2007 – Present
  - Chair, Young Chemists Subdivision, 2014
  - Chair-Elect, Young Chemists Subdivision, 2013
  - Member-at-Large, 2011 – 2012
  - Past-Chair, 2010
  - Chair, 2009
  - Chair-Elect, 2008
  - Chair and Organizer, multiple symposia at national ACS meetings
- ACS Committee on Science, 2013 – Present
- ACS Younger Chemists Committee (YCC), 2001 – 2012
  - National Meeting Activities (NMA) Subcommittee Chair, 2004 – 2008
  - Program Chair, 2004 – 2007, 2011 – 2012
  - Programming Cosponsorship Coordinator, 2001 – 2004
  - Chair and Organizer, multiple symposia at national ACS meetings
- Graduate Student Advisory Board, Department of Chemistry, Purdue University, 2003 – 2005
  - Co-Chair, 2004 – 2005
  - Organizer, departmental colloquium
- Purdue University College of Science Alumni Board, Purdue University, 2001 – 2009
  - President, 2006 – 2008
  - Vice President, 2005 – 2006