Gloria Kreitinger

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EDUCATION

UNIVERSITY OF NOTRE DAME, Notre Dame, IN
Bachelor of Science, Biochemistry — August 2002- May 2006
Minor, Music

UNIVERSITY OF WISCONSIN-MADISON, Madison WI
Graduate Program in Chemistry — Fall 2009-Present

EXPERIENCE

Gilead Sciences, Foster City, CA
Research Associate — June 2007-

- Comprehensively developed a physical stability study of a BCS Class 2 compound as formulated in a pediatric suspension for Phase I trials:
  - Researched literature, collaborated with Particle Technology Labs, and implemented a study protocol including microscopy, LALLS, and coulter counter analysis.
- Played a key role in analytical support for process development, toxicology batch, and GMP batch synthesis:
  - Method development, method qualification, and GMP release
  - Over 200 analysis performed and/or developed include LC purity, LC reaction completion, GC OVI, GC/MS, Karl Fisher, wet chemistry, DSC, TGA, FTIR, LC/MS/MS for impurity structure elucidation, IC, PXRD, ICP-MS (contracted), and PSA.
- Supported toxicology and clinical formulation development:
  - Developed novel particle size and stability indicating HPLC assays for nanosuspension formulations.
  - Developed dissolution, content uniformity, and assay methods.
  - Stability studies (photodegradation, accelerated conditions, etc) performed.
- Set-up, GMP qualified, and drafted training manuals for various instruments: PXRD, pH, microscope, UV/Vis, and HPLC.

Americorps, San Francisco, CA
Teacher/Teaching Assistant — August 2006-May 2007
- Received AmeriCorps Education Volunteer Award

University of Notre Dame Chemistry Department, Notre Dame, IN
Research Assistant, for Dr. Shariar Mobashery and Dr. Mayland Chang — May-December 2005
"Antimetastatic activity of a novel mechanism-based gelatinase inhibitor."
- Determined in vitro and in-vivo metabolisms of a novel anticancer drug, SB-3CT, leading to the design of second-generation gelatinase inhibitors that were 4-fold more metabolically stable.
- Developed a bioanalytical method to measure levels of SB-3CT in plasma.
- Conducted drug stability and solubility assays.

University of New Mexico School of Pharmacy, Albuquerque, NM
Research Assistant, for Dr. Linda Felton — May-August 2004
"Cyclodextrin complexation on the in vivo photoprotective effects of oxybenzone."
- Performed experiments using DSC, HPLC, Franz cells, and SKH-1 mice

- Analyzed and presented results in seminar format.

University of New Mexico Biology Department, Albuquerque, NM
Lab Assistant May-August 2003

- Maintained plant specimens and completed databases (Endnotes, etc.)

PROFESSIONAL DEVELOPMENT AND SHORT COURSES

Modern HPLC in Pharmaceutical Analysis	ACS Short Course	Sep 2007
LC/MS Fundamentals and Applications	LCResource	Dec 2007
Spectroscopic Solutions	ThermoScientific	Apr 2008
Fundamentals of Dissolution	Varian	Sep 2008
UPLC Method Development	Waters Corporation	Oct 2008
DSC and TGA Training Course	TA Instruments	Nov 2008
Advanced HPLC Method Development	LCResource	Nov 2008
Basic XRD Course	Panalytical	Dec 2008
Pharmacogenetics	UC Berkeley Extension	Fall 2008
Drug Discovery and Development	UC Berkeley Extension	Fall 2008
Biostatistics	UC Berkeley Extension	Fall 2008

AWARDS

Genomic Sciences Training Program Predoctoral Traineeship, University of Wisconsin-Madison, 2010

Gilead Values at Work Award: Accountability and Integrity, 2008

Notre Dame Environmental Science and Engineering Award, 2005

PUBLICATIONS AND SCIENTIFIC PRESENTATIONS

Kreitinger, G.; Rucker, V.; Pediatric Oral Suspension: Approaches for monitoring physical stability. Food and Drug Administration, Foster City, CA, September, 2008.

Lee, M.; Villegas-Estrada, A.; Celenza, G.; Boggess, B.; Toth, M.; Kreitinger, G.; Forbes, C.; Fridman, R.; Mobashery, S.; Chang, M. Metabolism of a highly selective gelatinase inhibitor generates active metabolite. *Chem. Biol. Drug Des.* **2007**, *70*, 371-382 (highlighted in cover)