

## Brandon M. Fetterly

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### EDUCATION

St. Norbert College	Chemistry/Mathematics	B.S. 1999
Iowa State University	Organic Chemistry	Ph. D. 2005

### APPOINTMENTS

Assistant Professor of Chemistry, University of Wisconsin-Richland, August 2005-May 2011  
Associate Professor of Chemistry, May 2011-Present

### AFFILIATIONS

American Chemical Society  
Division of Chemical Education  
Division of Professional Relations  
Two Year College Chemistry Consortium

### AWARDS

2011 University of Wisconsin Colleges Student Services Outstanding External Contributor  
2010 Tetrahedron Most Cited Paper 2006-2009 Award  
2007 Arthur M. Kaplan Faculty Enhancement Award, University of Wisconsin-Colleges  
2006 Roadrunner of the Year, University of Wisconsin-Richland

### PUBLICATIONS

1. Reddy, C. R. V.; Fetterly, B. M.; Verkade, J. G. Polymer-Supported Azidoproazaphosphatane: A Recyclable Catalyst for the Room-Temperature Transformation of Triglycerides to Biodiesel. *Energy & Fuels* **2007**, *21*, 2466.
2. Fetterly, B. M.; Jana, N. K.; Verkade, J. G. [HP(HNCH<sub>2</sub>CH<sub>2</sub>)<sub>3</sub>N]NO<sub>3</sub>: An Efficient Homogeneous and Solid-Supported Promoter for Aza and Thia-Michael Reactions and for Strecker Reactions. *Tetrahedron* **2006**, *62*, 440.
3. Fetterly, B. M.; Verkade, J. G. P(RNCH<sub>2</sub>CH<sub>2</sub>)<sub>3</sub>N: Efficient Catalysts for the Cyanosilylation of Aldehydes and Ketones. *Tetrahedron Lett.* **2005**, *46*, 8061.
4. Kisanga, P. B.; Ilankumaran, P.; Fetterly, B. M.; Verkade, J. G. P(RNCH<sub>2</sub>CH<sub>2</sub>)<sub>3</sub>N: Efficient 1,4-Addition Catalysts. *J. Org. Chem.* **2002**, *67*, 3555.
5. Wang, Z.; Fetterly, B. M.; Verkade, J. G. P(RMeCH<sub>2</sub>CH<sub>2</sub>)<sub>3</sub>N: An Effective Catalyst for Trimethylsilylcyanation of Aldehydes and Ketones. *J. Organomet. Chem.* **2002**, *646*, 161.

### GRANTS

Wisconsin Emergency Management Hazardous Materials Emergency Preparedness Grant.  
Title: Richland, Crawford & Vernon County Local Emergency Planning Committee  
Hazardous Materials Commodity Flow Study. In conjunction with Richland County Local  
Emergency Planning Committee. January 2012. Funding: \$15,000

University of Wisconsin-Colleges Laboratory Modernization Grant. Title: Spectroscopic Instrumentation Software Upgrade. December 2010. Funding: \$1190

University of Wisconsin-Colleges Laboratory Modernization Grant. Title: Chemistry Stockroom Storage Upgrades. December 2009. Funding: \$2155

University of Wisconsin-Colleges Laboratory Modernization Grant. Title: Integration of PASCO Data Collection Equipment into the Chemistry Curriculum. December 2006. Funding: \$950

University of Wisconsin-Colleges Grant to Increase Student Engagement. Title: A Dynamic, Intensive Lecture 100 Course: A Mini-College Experience. Co-PIs: Linda Gentes, Karen McLeer, Zoie Lutz, Tom Kleese, Wayne Morgenthaler. Duration: 1 year, May 2006-May 2007. Funding: \$3000

## CONFERENCE PRESENTATIONS

1. Del Carlo, D.; Burke, K. A.; Fetterly, B. M.; Greenbowe, T. J.; Gupta, T. Student-Centered Learning in the Laboratory: The Science Writing Heuristic (SWH) Approach and its Impact on Teachers. Oral Presentation at 241st ACS National Meeting, Anaheim, California, United States, March 27-31, 2011.
2. Gupta, T.; Burke, K. A.; Del Carlo, D.; Fetterly, B. M.; Greenbowe, T. J. Student-Centered Learning in the Laboratory: The Science Writing Heuristic (SWH) Approach and its Impact on Students. Oral Presentation at 241st ACS National Meeting, Anaheim, California, United States, March 27-31, 2011.
3. Fetterly, B. M.; Burke, K. A.; Del Carlo, D.; Greenbowe, T. J.; Gupta, T. Stimulating Student Interest in Using Guided-Inquiry in the Laboratory to Learn Chemistry. Oral Presentation at 241st ACS National Meeting, Anaheim, California, United States, March 27-31, 2011.
4. Fetterly, B. M.; Greenbowe, T. J. Improving Instructor's Understanding of Implementing Guided-inquiry in the Chemistry Laboratory: Part II. Poster Presentation at 239th ACS National Meeting, San Francisco, California, United States, March 21-25, 2010
5. Greenbowe, T. J.; Fetterly, B. M. Improving Instructor's Understanding of Implementing Guided-inquiry in the Chemistry Laboratory: Part I. Oral Presentation at 239th ACS National Meeting, San Francisco, California, United States, March 21-25, 2010
6. Greenbowe, T. J.; Poock, J.; Fetterly, B. M. Teaching Chemistry Laboratory Using the Science Writing Heuristic in a not so Diverse Midwest Classroom. Oral Presentation at 237th ACS National Meeting, Salt Lake City, Utah, United States, March 22-26, 2009
7. Greenbowe, T. J.; Poock, J.; Fetterly, B. M. An Overview of Teaching the General Chemistry Laboratory Using the Science Writing Heuristic. Oral Presentation at 237th ACS National Meeting, Salt Lake City, Utah, United States, March 22-26, 2009
8. Kingston, J. V.; Fetterly, B. M.; Liu, X.; Hernandez, J.; Verkade, J.G. Proazaphosphatranes: Non-ionic Nucleophilic Phosphine for the Activation of C-F Bonds. *Oral Presentation* at 231<sup>st</sup> ACS National Meeting, Atlanta, Georgia, United States, March 26-30, 2006
9. Reddy, C. V. R.; Fetterly, B. M.; Verkade, J. V. Polymer-bound Azidophosphine: A Novel Reusable Catalyst for the Production of Biodiesel From Vegetable Oils at Room Temperature. *Oral Presentation* at 231<sup>st</sup> ACS National Meeting, Atlanta, Georgia, United States, March 26-30, 2006
10. Fetterly, B. M.; Verkade, J. G. P(RNCH<sub>2</sub>CH<sub>2</sub>)<sub>3</sub>N: Efficient Catalysts for the Cyanosilylation of Aldehydes and Ketones. *Oral Presentation* at 224<sup>th</sup> ACS National Meeting, Boston,

Massachusetts, United States, August 18-22, 2002