

**Curriculum Vitae**  
**Melinda E. Lull, Ph.D.**  
Rochester, New York 14618

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**EDUCATION**

- 2009            Ph.D.            Pharmacology, Penn State College of Medicine, Hershey, PA  
Dissertation Title: *Systems biology analysis of abstinence from cocaine self-administration*  
Advisor: Kent E. Vrana, Ph.D.
- 2004            B.A.            Anthropology, St. John Fisher College, Rochester, NY  
Honors Program Diploma  
*Summa Cum Laude*

**POSTDOCTORAL TRAINING**

- 2009-2010            Virginia Commonwealth University, Richmond, VA  
Research Focus: *The role of microglial activation in neurodegenerative disease and the response to environmental toxins.*  
Advisor: Michelle L. Block, Ph.D.

**PROFESSIONAL EXPERIENCE**

- 2010-Present            **Assistant Professor**, Department of Pharmaceutical Sciences,  
Wegmans School of Pharmacy at St. John Fisher College,  
Rochester, NY
- 2009-2010            **Postdoctoral Fellow**, Department of Anatomy and Neurobiology,  
Virginia Commonwealth University, Richmond, VA
- 2008            **Adjunct Instructor**, Department of Integrative Sciences,  
Harrisburg University, Harrisburg, PA
- 2007            **Adjunct Instructor**, Department of Chemistry and Biochemistry,  
Messiah College, Grantham, PA
- 2007            **Teacher's Assistant**; Anatomy and Physiology II Laboratory, Messiah  
College, Grantham, PA
- 2004-2009            **Ph.D. Graduate Assistant**, Department of Pharmacology, Penn  
State College of Medicine, Hershey, PA

**TEACHING EXPERIENCE**

St. John Fisher College, Wegmans School of Pharmacy (2010-Present)

*Didactic Courses Taught:*

Course Name (Credits)	Topics Taught	Hours Per Semester	Dates
<b>Pharmacology Courses</b>			
*PHAR 3144 Systems Pharmacology I (4)	<ul style="list-style-type: none"> <li>Anatomy and Physiology Review</li> <li>Introduction to Human Development</li> <li>Drug Metabolism</li> <li>Principles of Drug Action</li> </ul>	44	2014
PHAR 3244 Systems Pharmacology II (4)	<ul style="list-style-type: none"> <li>Respiratory Physiology and Pharmacology</li> <li>Arrhythmias and Antiarrhythmic Drugs</li> <li>Dyslipidemia and Lipid-lowering Drugs</li> </ul>	16	2011-2015
*PHAR 4144 Systems Pharmacology III (4)	<ul style="list-style-type: none"> <li>Endocrine Anatomy and Physiology</li> <li>Endocrine Pathophysiology and Pharmacology</li> </ul>	28	2013-2015
*PHAR 4244 Systems Pharmacology IV (4)	<ul style="list-style-type: none"> <li>ADHD and Stimulant Medications</li> <li>Anxiety and Sleep Disorders</li> <li>Seizure Disorders</li> </ul>	14	2011-2015
<b>Interdisciplinary Courses</b>			
*PHAR 3148 Biosystems I (4)	<ul style="list-style-type: none"> <li>Chemistry Review</li> <li>Biomacromolecules</li> <li>Enzymes and Enzyme Kinetics</li> <li>Introduction to Prokaryotes and Eukaryotes</li> </ul>	40	2010-2013
*PHAR 3240 Biosystems II (4)	<ul style="list-style-type: none"> <li>Metabolic Pathways</li> </ul>	12	2011-2013
<b>Elective Course</b>			
*PHAR 5507 Toxins and Poisons (2)	<ul style="list-style-type: none"> <li>Introduction to Toxicology</li> <li>Forensic Toxicology</li> <li>Environmental Toxicology</li> <li>Sole Instructor</li> </ul>	30	2011-2015

\* Served as Course Coordinator

*Independent Study Courses Taught:*

Course Name (Credits)	Number of Students	Dates
PSYC 497 Research Experience (1-3)	1	2014
CHEM 496 Independent Research (1-3)	1	2013-2015
PHAR 5522 Professional Projects in Pharmaceutical Sciences (1-2)	2	2012-2015
PHAR 5510 Independent Research Elective (1-3)	12	2011-2015
SSCH 498 Science Scholars Research (1-3)	2	2011-2013

*Experiential Rotations Taught:*

Course Name (Credits)	Number of Students	Dates
PHAR 6400 Experience in Pharmacy Academia Elective Rotation (6)	12	2011-2016
PHAR 6400 Research in Pharmacy Elective Rotation (6)	10	2011-2014

Harrisburg University (2008)

Course Name (Credits)	Topics Taught	Hours Per Semester	Dates
BIOL 110 Anatomy and Physiology I (4)	<ul style="list-style-type: none"> <li>• Human Anatomy</li> <li>• Team Taught</li> </ul>	30	2008

Messiah College (2007)

Course Name (Credits)	Topics Taught	Hours Per Semester	Dates
CHEM 411 Biochemistry Laboratory (1)	<ul style="list-style-type: none"> <li>• Methods in Biochemistry</li> <li>• Two sections</li> </ul>	36	2007

Penn State College of Medicine (2006-2009)

Course Name (Credits)	Topics Taught	Hours Per Semester	Dates
*BET 197 Laboratory Techniques in Biomedical Research (2)	<ul style="list-style-type: none"> <li>• Spectrophotometry</li> <li>• Measurements and Statistics</li> </ul>	10	2009
PHARM 502 Neuropharmacology (4)	<ul style="list-style-type: none"> <li>• Opioid Analgesics</li> </ul>	4	2008

\* Served as Course Coordinator

**PEER-REVIEWED PUBLICATIONS**

1. **Lull ME**, Utter CR, Traina A. Self-directed learning through journal use in an elective pharmacy course. *Pharmacy Education*, 2015; 15(1): 27-30.
2. Traina AN, **Lull ME**, Hui AC, Zahorian TM, Lyons-Patterson J. Once weekly exenatide as adjunct treatment of type 1 diabetes mellitus. *Can J Diabetes*, 2014; 38(4): 269-272. [PMID: 24977495]
3. Levesque S, Taetzsch T, **Lull ME**, Johnson J, McGraw C, Block ML. Class A scavenger receptors and the MAC1 receptor have distinct roles in diesel exhaust particle-induced microglial activation and loss of dopaminergic neuron function. *J Neurochem* 2013; 125(5): 756-765. [PMID: 23470120]
4. **Lull ME**, Piacentino JJ, Traina AN. Stability of U-500 regular insulin in prefilled syringes. *J Am Pharm Assoc* 2013; 53(3): 304-306. [PMID: 23699679]
5. Levesque S, Taetzsch T, **Lull ME**, Stadler K, Kodavanti U, Johnson J, Kodavanti P, Block ML. Diesel exhaust activates and primes microglia: air pollution and neuroinflammation. *Environ Health Perspect* 2011; 119: 1149-1155. [PMID: 21561831]

6. **Lull ME**, Levesque S, Surace MJ, Block ML. Chronic apocynin treatment attenuates beta-amyloid plaque size and microglia number in hAPP(751)<sub>SL</sub> mice. *PLOS One* 2011; 6: e20153. [PMID: 21655287]
7. **Lull ME**, Block ML. Microglial activation and chronic neurodegeneration. *Neurotherapeutics* 2010; 7: 354-365. [PMID: 20880500]
8. Freeman WM, **Lull ME**, Patel KM, Bruchlacher RB, Morgan D, Roberts DCS, Vrana KE. Gene expression changes in the mesolimbic pathway following abstinence from cocaine self-administration. *BMC Neuroscience* 2010; 11: 29-42. [PMID: 20187946]
9. **Lull ME**, Freeman WM, VanGuilder HD, Vrana KE. The future of neuroproteomics in drug abuse research. *Drug and Alcohol Dependence* 2010; 107: 11-22. [PMID: 19926406]
10. **Lull ME**, Erwin MS, Morgan D, Roberts DCS, Vrana KE, Freeman WM. Persistent proteomic alterations in mPFC with abstinence from cocaine self-administration. *Proteomics: Clinical Applications* 2009; 3:462-472. [PMID: 20161123]
11. **Lull ME**, Freeman WM, Vrana KE, Mash DC. Functional genomics of human cocaine abuse. *Ann NY Acad Sci* 2008; 1141:58-75 (Invited Review). [PMID: 18991951]
12. **Lull ME**, Carkaci-Salli N, Freeman WM, Myers JL, Midgley F, Thomas NJ, Kimatian SJ, Vrana KE, Undar A. Plasma proteomic biomarkers in pediatric cardiac patients undergoing cardiopulmonary bypass procedures. *Pediatric Research* 2008; 63(6): 638-644. [PMID: 18317239]
13. Freeman WM, Patel KM, Bruchlacher RB, **Lull ME**, Erwin M, Morgan D, Roberts DCS, Vrana KE. Persistent alterations in mesolimbic gene expression with abstinence from cocaine self-administration. *Neuropsychopharm* 2008; 33(8): 1807-1817. [PMID: 17851536]
14. **Lull ME**, Freeman WM, Kimatian SJ, Myers JL, Midgley F, Undar A, Vrana KE. Plasma Proteomics: A Noninvasive Window on Pathology and Pediatric Cardiac Surgery. *ASAIO* 2006; 52(5): 562-566. [PMID: 16966860]
15. Freeman WM, **Lull ME**, Guilford M, Vrana KE. Depletion of abundant proteins from non-human primate serum for biomarker studies. *Proteomics* 2006; 6(10): 3109-3113. [PMID: 16619306]
16. Freeman WM, Gooch RS, **Lull ME**, Worst TJ, Walker SJ, Xu ASL, Green H, Pierre PJ, Grant KA, Vrana KE. ApoAII is an elevated biomarker of chronic non-human primate ethanol self-administration. *Alcohol and Alcoholism* 2006; 41(3): 300-305. [PMID: 16581821]

#### PEER-REVIEWED CASE STUDIES

1. **Lull ME**, To HM. Insomnia or Depression? In *Remington PharmacyComplete*. Pharmaceutical Press, 2015, Web; In Press.

2. **Lull ME**, Vaughn N. Newly diagnosed generalized anxiety disorder. In *Remington PharmacyComplete*. Pharmaceutical Press, 2015. Web; In Press.
3. **Lull ME**, Bova R. Treatment of a patient with signs and symptoms of epileptic syndrome. In *Remington PharmacyComplete*. Pharmaceutical Press, 2015, Web; In Press.
4. **Lull ME**, Meyer A. First-line schizophrenia treatment. In *Remington PharmacyComplete*. Pharmaceutical Press, 2015, Web; In Press.

#### **MANUSCRIPTS UNDER REVIEW AND IN PREPARATION**

1. **Lull ME**, Mathews JM. Online self-testing resources prepared by peer tutors as a formative assessment tool in pharmacology courses. Under review for *Am J Pharm Educ*, June 2015.
2. **Lull ME**, Mathews JM. Using ExamSoft® for formative assessment in higher learning. Invited White Paper for ExamSoft Worldwide®, In preparation, June 2015.

#### **BOOK CHAPTERS**

1. **Lull ME**, Traina A. Central Nervous System Stimulants and Drugs for Attention Deficit Disorders. In *Pharmacology for Nursing Practice: Partners in Therapeutic Care*. D'Amato-Kubiet, Sherry and Henyan Eds. 1<sup>st</sup> Ed, 2015, McGraw Hill Press. In Press.
2. Traina A, **Lull ME**. Drugs for Diabetes Mellitus. In *Pharmacology for Nursing Practice: Partners in Therapeutic Care*. D'Amato-Kubiet, Sherry and Henyan Eds. 1<sup>st</sup> Ed, 2015, McGraw Hill Press. In Press.

#### **PEER-REVIEWED ABSTRACTS/ POSTER PRESENTATIONS**

1. **Lull ME**, Mathews JL. Expanding the role of peer tutors through the use of online quizzes. The Teaching Professor Conference, Atlanta, Georgia, May 2015.
2. Cornacchia A, Hall M, **Lull ME**. Effects of fructose-derived advanced glycation end products on acetylation of histones in the brain. Abstract # 550-25. Pittcon Annual Meeting, New Orleans, Louisiana, March 2015.
3. Lam I, Traina A, **Lull ME**. An examination of the effects of atorvastatin and parathyroid hormone on osteoblast activity. Abstract # 311916160. American Society of Health Systems Pharmacy Midyear Clinical Meeting, Anaheim, California, December 2014.
4. Blackley R, Stryker M, DeNapoli S, **Lull ME**. The differential effects of fructose and glucose on advanced glycation end-product formation and cellular damage *in vitro*. Abstract # 311391532. American Society of Health Systems Pharmacy Midyear Clinical Meeting, Anaheim, California, December 2014.

5. Bankoff J, **Lull ME**. Educating pharmacists and the public about the role of over-the-counter medications in the management of autism spectrum disorders. Abstract # 311884059. American Society of Health Systems Pharmacy Midyear Clinical Meeting, Anaheim, California, December 2014.
6. Ashworth AL, Lam I, Moore NE, **Lull ME**. Development and implementation of peer-led weekly review sessions and the assessment of their impact on student learning. Abstract # 311883625. American Society of Health Systems Pharmacy Midyear Clinical Meeting, Anaheim, California, December 2014.
7. Stryker M, Blackley R, **Lull ME**. Altered cell-surface receptor levels result from fructose advanced glycation end product-induced inflammation. Abstract # 311392960. American Society of Health Systems Pharmacy Midyear Clinical Meeting, Anaheim, California, December 2014.
8. **Lull ME**, Moore N, Stryker M, Mathews JL. Expanding the role of pharmacology tutors through the use of online quizzes. American Association of Colleges of Pharmacy Annual Meeting, Grapevine, Texas, July 2014.
9. **Lull ME** and Mathews JL. The use of student development workshops to supplement the traditional pharmacy curriculum. American Association of Colleges of Pharmacy Annual Meeting, Grapevine, Texas, July 2014.
10. Vaughn N, To H, Meyer A, **Lull ME**. Phagocytosis and inflammatory gene expression in the brain are altered by fructose-derived advanced glycation end-products (AGEs). Abstract #347237. American Society of Health Systems Pharmacy Midyear Clinical Meeting, Orlando, Florida, December 2013.
11. Thein A, Mynter M, **Lull ME**. Attitudes, perceived risks, and protective actions towards environmental exposures in a pharmacy school population. Abstract #345808. American Society of Health Systems Pharmacy Midyear Clinical Meeting, Orlando, Florida, December 2013.
12. Lam I, **Lull ME**, Traina AN. Liraglutide in the treatment of Type 1 Diabetes Mellitus follow-up study. Abstract #345378. American Society of Health Systems Pharmacy Midyear Clinical Meeting, Orlando, Florida, December 2013.
13. Kratochwill L, **Lull ME**, Traina AN. Clinical experience with insulin detemir in comparison to neutral protamine hagedorn (NPH) in patients with gestational diabetes. Abstract #344140. American Society of Health Systems Pharmacy Midyear Clinical Meeting, Orlando, Florida, December 2013.
14. **Lull ME**, Anand S, Birnie C, Chablani L, Connor K, Corigliano A, Dave V, Gandhi M, Nagel A, O'Brocta R, Parkhill A, Sapinoro R, Souza J, Woodruff A, Mathews JL. WSOP prescription for innovation – use as needed (PRN). American Association of Colleges of Pharmacy Annual Meeting, Chicago, Illinois, July 2013.

15. **Lull ME**, Traina AN, Mathews JL. Using classroom technology for pre- and post-lecture reviews. American Association of Colleges of Pharmacy Annual Meeting, Chicago, Illinois, July 2013.
16. **Lull ME**, Souza J, Avery L, Cipriano G, Dave V, Phillips E, Woytowish M, Birnie C. Implementation and evaluation of a strategic professional development program. American Association of Colleges of Pharmacy Annual Meeting, Chicago, Illinois, July 2013.
17. Meyer A, Vaughn N, Hall M, Stryker M, **Lull ME**. Fructose-derived advanced glycation end products (AGEs) enhance neuroinflammation and alter immune function in the brain. Abstract #160. American Pharmacists Association Annual Meeting, Los Angeles, California, March 2013.
18. Kratochwill LN, Overslaugh J, McClary C, **Lull ME**, Traina AN. Glycemic control in gestational diabetes: insulin detemir versus neutral protamine hagedorn (NPH) insulin. Abstract #316343. American Society of Health Systems Pharmacy Midyear Clinical Meeting, Las Vegas, Nevada, December 2012.
19. Smith K, Utter C, Bodah M, Vaughn N, **Lull ME**. Dose related cell death and proinflammatory gene expression is seen in microglia treated with high concentrations of fructose. Abstract #316542. American Society of Health Systems Pharmacy Midyear Clinical Meeting, Las Vegas, Nevada, December 2012.
20. Zahorian TM, Hui AC, **Lull ME**, Lyons-Patterson J, Traina AN. Once weekly exenatide as adjunct management of type 1 diabetes mellitus. Abstract #317260. American Society of Health Systems Pharmacy Midyear Clinical Meeting, Las Vegas, Nevada, December 2012.
21. Utter CR, Bova RJ, Mathews JL, **Lull ME**. Individualized reflective learning through portfolio use in pharmacy school education. American Association of Colleges of Pharmacy Annual Meeting, Kissimmee, Florida, July 2012.
22. Hill J, Teijelo C, To H, Meyer A, Micca E, Vaughn N, **Lull ME**. Environmental toxins linked to neurodegeneration and autism activate the brain's immune system. Abstract #310. American Pharmacists Association Annual Meeting, New Orleans, Louisiana, March 2012.
23. Jarbe RL, Piette NM, Parkhill AL, **Lull ME**, Mathews JL. Implementing a substances of abuse outreach program in the Rochester City School District. Abstract #326. American Pharmacists Association Annual Meeting, New Orleans, Louisiana, March 2012.
24. Hui A, Schwier N, **Lull ME**, Malik R, Lyons-Patterson J, Traina AN. Beyond Insulin: Liraglutide in Type 1 Diabetes Mellitus. American Society of Health Systems Pharmacy Midyear Clinical Meeting, New Orleans, Louisiana, December 2011.
25. **Lull ME**, Mathews JL, Jannetta EC, Birnie CR. Student-led learning in the pharmaceutical sciences curriculum. American Association of Colleges of Pharmacy Annual Meeting, San Antonio, Texas, July 2011.

26. Taetzsch T, Levesque S, **Lull ME**, Duke L, Block ML. The NFκB p50 radical and neurotoxic microglial activation. Society of Toxicology Annual Meeting, Salt Lake City, Utah, March 2010.
27. Levesque S, Taetzsch T, **Lull ME**, Stadler K, Block ML. Diesel exhaust particles cause neuroinflammation and prime microglia. Society for Neuroscience Annual Meeting, Chicago, Illinois, October 2009.
28. Freeman WM, **Lull ME**, Houlihan L, Myers JL, Midgley F, Undar A, Vrana KE. Differential plasma protein abundances in hepatic and pulmonary compartments. Pediatric Mechanical Circulatory Support Systems and Pediatric Cardiopulmonary Perfusion Annual Meeting, Hershey, Pennsylvania, June 2007.
29. **Lull ME**, Freeman WM, Kimatian SJ, Myers JL, Midgley F, Undar A, Vrana KE. Using plasma proteomics in the identification of pathology-related markers in pediatric patients undergoing cardiopulmonary bypass. Pediatric Mechanical Circulatory Support Systems and Pediatric Cardiopulmonary Perfusion Annual Meeting, Hershey, Pennsylvania, June 2007.
30. Freeman WM, Bennett CD, **Lull ME**, Erwin MS, Sonntag WE. Age-related changes in the hippocampal proteome of cognitively defined rodents. Human Proteome Organization (HUPO) Annual Meeting, Long Beach, California, March 2006.
31. Sonntag WE, Bennett CD, Erwin MS, **Lull ME**, Freeman WM. Age-related changes in the hippocampal proteome in cognitively defined rodents. Society for Neuroscience Annual Meeting, Atlanta, Georgia, October 2006.
32. **Lull ME**, Erwin M, Patel KM, Thomas L, Morgan D, Roberts DCS, Freeman WM, Vrana KE. The proteomic profile of rat mPFC is altered following long-term abstinence from cocaine self-administration. Society for Neuroscience Annual Meeting, Atlanta, Georgia, October 2006.
33. **Lull ME**, Hu S, Chen X, Pruss A, Lehman EB, Summy-Long JY. Microglia in the supraoptic nucleus respond during microdialysis. Society for Neuroscience Annual Meeting, Washington, District of Columbia, November 2005.

#### **PEER-REVIEWED PLATFORM PRESENTATIONS**

1. **Lull ME**, Mathews JL and Souza JM. Assessing the impact of peer instructor generated formative self-assessments. ExamSoft Assessment Conference, Lexington, Kentucky, June 2015.
2. **Lull ME**, Mathews JL and Souza JM. Using peer instructors to design and implement online self-assessments. Association for the Assessment of Learning in Higher Education Annual Conference, Lexington, Kentucky, June 2015.
3. **Lull ME** and Mathews JL. Implementation of a student development workshop series to supplement a traditional curriculum. The Teaching Professor Conference, Atlanta, Georgia, May 2015.

#### **INVITED PRESENTATIONS AND WORKSHOPS**

1. Using ExamSoft® for formative assessment in higher learning. Webinar through ExamSoft Worldwide®, Rochester, NY, 2015. (1 hour)



2. Turning Point: Beyond the Basics. Presented at a Faculty Development Session to faculty at Wegmans School of Pharmacy, Rochester, New York, 2014. (1 hour)
3. From Autism to Alzheimer's: How Can Environmental Chemicals Make Us Susceptible to Neurologic Disease. Presented at the 3<sup>rd</sup> Friday Faculty Presentation Series, St. John Fisher College, Rochester, New York, 2014 (20 minutes)
4. Workshop Panelist on the role of service in preparation for promotion and tenure. Extended Orientation Series for New Faculty, St. John Fisher College, Rochester, New York, 2014. (1 hour)
5. The Role of Over-the-Counter Supplements in the Treatment of Autism Spectrum Disorders. Presented to parents and caregivers in association with the Managing Autism Together Today (M.A.T.T.) organization, Wegmans School of Pharmacy, Rochester, New York, 2014 (1 hour)
6. Central Nervous System Stimulants. Guest lecture in a Drugs of Abuse Elective Course, Wegmans School of Pharmacy, Rochester, New York, 2014. (1 hour)
7. Finding Success Through Efficient Time Management. Presented to students as part of the Student Development Workshop Series; Wegmans School of Pharmacy, Rochester, New York, 2014. (1.5 hours)
8. Learning Styles and Study Strategies. Presented to students as part of the Student Development Workshop Series; Wegmans School of Pharmacy, Rochester, New York, 2013.(1.5 hours)
9. Epilepsy and Its Treatments. Presented to students at the P4 NAPLEX Review; Wegmans School of Pharmacy, Rochester, New York, 2013 and 2014. (1 hour)
10. Additive Effect of Teriparatide and HMG-CoA Reductase Inhibitors on Osteoblast Activation. Presented to faculty at a Scholarly Round Table Session; Wegmans School of Pharmacy, Rochester, New York, 2013. (1.5 hours)
11. Mentoring Program Workshop; Presented to faculty at Wegmans School of Pharmacy, Rochester, New York, 2012. (2 hours)
12. The role of PBDE flame retardants and histone acetylation in the chronic activation of microglia. Presented to faculty at a Scholarly Round Table Session; Wegmans School of Pharmacy, Rochester, New York, 2012. (1.5 hours)
13. Drug-induced QT prolongation. Presented at an Alumni Continuing Education Dinner, Wegmans School of Pharmacy, Rochester, New York, 2012. (30 minutes)
14. An Introduction to Forensic Toxicology. Guest lecture to students in a Bones, Bodies, and Detection Course, St. John Fisher College, Rochester, New York, 2011-2014 (1.5 hours- 1 presentation a semester)
15. The Use of Drugs in Religious Ceremonies: Altered States of Consciousness. Guest lecture to students in a Magic, Witchcraft, and Religion Course, St. John Fisher College, Rochester, New York, 2011 and 2012. (1 hour)

16. Scholarship of Teaching: Innovative Activities in the Classroom”; Presented to faculty at a Scholarly Round Table Session; Wegmans School of Pharmacy, Rochester, New York, 2011. (1.5 hours)
17. Proteomic Applications in Drug Abuse. Presented to students and faculty at the Capital Area Biotechnology Partnership Seminar Series; Harrisburg University, Harrisburg, Pennsylvania, 2008. (1 hour)
18. The Neuroproteomics of Abstinence from Cocaine Self-Administration. Presented to faculty and students at the University of Utah, Department of Pharmacology and Toxicology, Salt Lake City, Utah, 2008. (1 hour)
19. Drug Metabolism and Basic Drug Safety. Presented to students at the Mamou School for Biomedical Engineering, Mamou, Guinea, West Africa, 2007. (1 hour)
20. Experimental design and proteomic methods. Presented to high-school students, Hershey, Pennsylvania, 2007. (3 total hours)
21. Career development and research methods. Presented to high school students, Hershey, Pennsylvania, 2005 and 2006. (9 total hours)

## GRANTS AWARDED

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| 2012-2013 | Wegmans School of Pharmacy Faculty Research Award Program, “Additive effect of teriparatide and HMG-CoA reductase inhibitors on osteoblast activation.” (Co-investigator; \$2000)                |
| 2011-2012 | Wegmans School of Pharmacy Faculty Research Award Program. “ The role of PBDE flame retardants and histone acetylation in the chronic activation of microglia.” (Principle Investigator; \$1000) |
| 2011-2012 | St. John Fisher College Faculty Development Grant. “The role of histone acetylation in microglia-mediated neurodegeneration.” (Principle Investigator; \$4,000)                                  |
| 2007-2009 | National Institute on Drug Abuse, 1 F31 DA022819-01, “Proteomic adaptations of abstinence-induced behavioral sensitization to cocaine”. (Principle Investigator; \$30,000/yr, including stipend) |

## PROFESSIONAL SERVICE

### Committees

Wegmans School of Pharmacy; Standing Committees	Dates
Student Progress Committee	2013-present
Curriculum Committee	2012-present; Chair 2013-present
Wegmans School of Pharmacy Newsletter Committee	2013-2014; Advisor and Editor
Rho Chi Pharmacy Honor Society; Delta Zeta Chapter	2012-present; Faculty Advisor

Professional Development Committee	2010-2013; Chair 2012-2013
Student Honor Council (Faculty Delegate)	2010-2013
Library Committee	2010-2012
<b>Wegmans School of Pharmacy; Ad Hoc Committees</b>	<b>Dates</b>
Accreditation Council for Pharmacy Education (ACPE) Self-Study Steering Committee, Curriculum Working Group	2014-present; Working group Co-Chair
Assessment Assistant Position Search Committee	2014
Student Affairs Assistant Position Search Committee	2014
Student Development Workshop Series Workgroup	2013-Present; Co-Coordinator
Assistant Dean for Student Affairs Position Search Committee	2013
B.S. in Pharmaceutical Sciences Task Force	2012-2013
Pharmaceutical Sciences Position Search Committee	2012
Alumni Association Committee	2011-present
Pharmacy Practice Position Search Committee	2011
Student Honor Council Exploratory Committee	2010-2011

<b>St. John Fisher College; Standing Committees</b>	<b>Dates</b>
Library Committee (elected)	2012-2015; Chair 2014-2015
Faculty Assembly Delegate	2010-2012 (Alternate 2010-2011)
<b>St. John Fisher College; Ad Hoc Committees</b>	<b>Dates</b>
Middle States Commission on Higher Education, Curriculum Workgroup	2014-present
Calendar Committee	2013-present
Calendar Process Review Committee	2012
Foundations of Excellence; First Year Retention Task Force	2011-2012
Advisory Committee for the Applied Anthropology Lecture Series	2010-present; Chair 2012-present

### Professional Consulting

2015-present                      ExamSoft® Client Ambassador

2015                                      Forensic Toxicology Legal Consultant, Wisner and Wisner, LLP.

### Peer Reviewer

Molecular Psychiatry  
BMJ Open Diabetes Research and Care  
Diabetology and Metabolic Syndrome  
Diabetes Research and Clinical Practice  
PLOS One Journal  
American Journal of Pharmaceutical Education  
Remington Pharmacy Complete Case Studies  
Elsevier Health Sciences Textbooks

### Community Outreach and Service

Service and Missions Trips			
Partnering Organization	Trip Description	Location	Dates
Global Volunteers	Completed a variety of community service projects with Wegmans School of Pharmacy students on the Blackfeet Reservation.	Browning, Montana	July 2014, June 2015
Global Health Outreach	Ran pharmacy at a free clinic with St. John Fisher students.	La Union, El Salvador	July 2011
Compassion Evangelical Hospital	Established a pharmacy and worked in low-cost medical clinic.	Guinea, West Africa	May-June 2007
Local Community Outreach			
Partnering Organization	Description	Location	Dates
Managing Autism Together Today (M.A.T.T.)	Pharmacy Information Tables	Rochester, NY	2013, 2014
Rochester City School District	Substances of Abuse Workshops	Rochester, NY	2011, 2013
Ronald McDonald House Charities	House volunteer and Relief Manager	Rochester, NY and Hershey, PA	2005-2011
American Red Cross	Trained CPR and First Aid Instructor	Harrisburg, PA	2006-2007
Planned Parenthood of Central Pennsylvania	Clinic Volunteer	Harrisburg, PA	2004-2006

### HONORS AND AWARDS

2014-2015	Outstanding Advising Award, Wegmans School of Pharmacy
2013-2014	Outstanding Advising Award, Wegmans School of Pharmacy
2012-2013	Teacher of the Year, Wegmans School of Pharmacy
2012-2013	Outstanding Advising Award, Wegmans School of Pharmacy
2010	Penn State Department of Pharmacology Award for Outstanding Scholarship in Pharmacology Research, Penn State College of Medicine
2009	Penn State Alumni Association Dissertation Award, Penn State University
2007-2009	Ruth L. Kirschstein Individual NRSA Predoctoral Fellowship, National Institute on Drug Abuse, National Institutes of Health

- 2007 Basic Science Graduate Student Award, Third Annual Conference on Pediatric Mechanical Circulatory Support Systems and Pediatric Cardiopulmonary Perfusion
- 2005-2007 Elliot S. Vesell Endowment Award, Penn State College of Medicine

### **CONTINUING PROFESSIONAL DEVELOPMENT AND TRAINING**

- 2015 "Genomic and Precision Medicine." Online course offered by the University of California, San Francisco and Coursera.org.
- 2015 "Epidemiology: The Basic Science of Public Health." Online course offered by the University of North Carolina at Chapel Hill and Coursera.org.
- 2015 "Genetics and Society" Online course offered by the American Museum of Natural History and Coursera.org.
- 2014 "The Basic Sciences and Biological Basis for Sex and Gender-Related Differences." Online course offered by the National Institutes of Health Office of Research on Women's Health and Johns Hopkins University School of Medicine.
- 2013 "Safe Zone Train-the-Trainer Certification Program." Training offered by the Gay Alliance of Genesee Valley.
- 2013 "Biological Evidence Screening and Serology." Online course through the Forensic Training Network supported by the National Institute of Justice.
- 2012 "Biostatistics 1." Online course offered through Statistics.com, The Institute for Statistics Education.
- 2011 "The Principles and Thought Processes of Crime Scene Investigation." Online course through the Forensic Training Network supported by the National Institute of Justice.
- 2011 "Forensic Fingerprint Analysis Basics." Online course through the Forensic Training Network supported by the National Institute of Justice.

### **PROFESSIONAL SOCIETIES**

- 2015-Present Association for the Assessment of Higher Learning (AALHE)
- 2011-Present Member, Rho Chi Academic Honor Society in Pharmacy, Delta Zeta Chapter
- 2010-Present Member, American Association of Colleges of Pharmacy (AACP)

2006-2010

Member, Society for Neuroscience

2006-2008

Member, Human Proteome Organization (HuPO)