

# ASHOK E. PHILIP

ASSOCIATE DEAN FOR STUDENT SERVICES  
PROFESSOR OF PHARMACEUTICAL SCIENCES

UNIVERSITY OF ARKANSAS FOR MEDICAL SCIENCES (UAMS) COLLEGE OF PHARMACY

4301 W. MARKHAM | LITTLE ROCK, AR 72205  
OFFICE: 501-526-6242 | EMAIL: aephilip@uams.edu

## EDUCATION

---

- 2006 **PHD, Medicinal Chemistry**, University of Mississippi, Oxford, MS  
Design, Synthesis, Molecular Modeling, and Biological Evaluation of Novel NOP (Nociceptin/Orphanin FQ Peptide) Receptor Ligands
- 2001 **MPHARM, Pharmaceutical Chemistry**, Andhra University, Visakhapatnam, India  
*Chemical and Biological Examination of the stems of Stachytarpheta indica*
- 1999 **BPHARM**, Bapatla College of Pharmacy, JNT University, Hyderabad, India  
Research Project: *Sustained release formulations of Nifedipine*

## PROFESSIONAL EXPERIENCE and APPOINTMENTS

---

- Feb 2022 - Present Associate Dean for Student Services  
Professor of Pharmaceutical Sciences  
*University of Arkansas for Medical Sciences (UAMS) College of Pharmacy, Little Rock, AR*
- July 2021-Jan 2022 Director of Assessment and Professor of Pharmaceutical Sciences  
*University of Arkansas for Medical Sciences (UAMS) College of Pharmacy, Little Rock, AR*
- April 2021 Site Team Evaluator  
Accreditation Council for Pharmacy Education (ACPE)
- June 2020 Site Team Evaluator  
Accreditation Council for Pharmacy Education (ACPE)
- Oct 2018 Site Team Evaluator  
Accreditation Council for Pharmacy Education (ACPE)
- March 2017-June 2021 Director of Assessment  
*Union University College of Pharmacy, Jackson, TN*
- June 2016-April 2018 UIUCOP Self-Study Co-Chair
- August 2019-June 2021 Professor of Pharmaceutical Sciences  
*Union University College of Pharmacy (UUCOP), Jackson, TN*
- Aug 2013-Aug 2019 Associate Professor of Pharmaceutical Sciences  
*Union University College of Pharmacy, Jackson, TN*
- Nov 2014-Dec 2017 UIU SACSCOC Reaffirmation Leadership Team
- Jan 2010-Aug 2013 Assistant Professor of Pharmaceutical Sciences  
*Union University College of Pharmacy, Jackson, TN*
- Aug 2008-Jan 2010 Assistant Professor of Pharmaceutical Sciences  
*LECOM School of Pharmacy, Erie, PA*
- Sep 2007-Aug 2008 Postdoctoral Research Associate  
Department of Chemical Biology and Therapeutics | St. Jude Children's  
Research Hospital | Memphis, TN
- Sep 2006-Sep 2007 Postdoctoral Research Associate  
Center for Drug Design | University of Minnesota | Minneapolis, MN
- Aug 2001-Aug 2006 Graduate Research Assistant  
Department of Medicinal Chemistry | University of Mississippi | Oxford, MS

## HONORS AND AWARDS

---

2021-2022	RHO CHI TEACHER OF THE YEAR - UAMS COP
2020-2021	P2 CLASS OF 2023 [UUCOP] - FACULTY OF THE YEAR
2019-2020	P2 CLASS OF 2022 [UUCOP] - FACULTY OF THE YEAR
July 2020	AACP WALMART SCHOLARS RECIPIENT - Mentor to Kate Norville   Class of 2021
2018-2019	P2 CLASS OF 2021 [UUCOP] - FACULTY OF THE YEAR
May 2019	HONORABLE MENTION – Newell Innovative Teaching Award “Escaping The Routine: Design and Evaluation of an Escape Room Themed Non Prescription Drugs Lab”
July 2019	AACP WALMART SCHOLARS RECIPIENT - Mentor to Bethanee Horn   Class of 2019
July 2018	AACP WALMART SCHOLARS RECIPIENT - Mentor to Zach McLeod   Class of 2019
2016-2017	P2 CLASS OF 2019 [UUCOP] - FACULTY OF THE YEAR
2015-2016	P2 CLASS OF 2018 [UUCOP] - FACULTY OF THE YEAR
May 2016	NOMINATED FOR AWARD OF EXCELLENCE IN SCHOLARSHIP AJPE 2015; 79 (3) Article 43 - By AACP Experiential Ed SIG
2014-2015	P2 CLASS OF 2017 [UUCOP] - FACULTY OF THE YEAR
2012-2013	P2 CLASS OF 2015 [UUCOP] - FACULTY OF THE YEAR
2011-2012	P2 CLASS OF 2014 [UUCOP] - FACULTY OF THE YEAR
2010-2011	P2 CLASS OF 2013 [UUCOP] - FACULTY OF THE YEAR
Feb 2014	AWARD OF EXCELLENCE - Research Poster at 2014 TSHP Midyear Meeting, Nashville, TN
May 2010	TRAVEL AWARD “Designing Courses for Significant Learning” Chicago, IL
2005	ACS GRADUATE STUDENT AWARD, Dept. of Medicinal Chemistry, University of Mississippi, Oxford, MS

## PEER-REVIEWED PUBLICATIONS

---

1. DeMaagd GA, Norville K, **Philip A**. The Pharmacological Management of Migraine Headaches. *US Pharmacist*. **2022**;43-57.
2. **Philip A**, White N. Gluten, Inflammation, and Neurodegeneration. *Am. J. Lifestyle Med.* **2022**;16(1):32-35.
3. Norville K, **Philip A**, Halford Z. The design, implementation and evaluation of hybrid cancer clinic simulations: Escaping the norm. *J Oncol Pharm Practice*. **2021**;1-8.
4. DeMaagd GA, DeMaagd DR, **Philip A**, Coalter CF. Delirium and Its Pharmacological Causes in Older People, Part 1. *Sr Care Pharm*. **2021**;36(10):477-488.
5. DeMaagd GA, DeMaagd DR, **Philip A**. Delirium and Its Pharmacological Causes in Older People, Part 2. *Sr Care Pharm*. **2021**;36(11):534-547.
6. DeMaagd GA, DeMaagd DR, **Philip A**. Delirium and Its Pharmacological Causes in Older People, Part 3. *Sr Care Pharm*. **2021**;36(12):619-631.

## PEER-REVIEWED PUBLICATIONS

---

7. VanLangen KM, Meny LM, Bright DR, Seiferlein MR, **Philip A**, Sharma R, DiVall M. An initial environmental scan of APPE readiness assessment. *Currents in Pharmacy Teaching & Learning*. **2020**;12(7):771-775.
8. DeMaagd G, **Philip A**. Parkinson's Disease and Its Management Part 1: Disease Entity, Risk Factors, Pathophysiology, Clinical Presentation, and Diagnosis. *Pharmacy & Therapeutics*. **2015**;40(8):504-510.
9. DeMaagd G, **Philip A**. Parkinson's Disease and Its Management Part 2: Introduction to the Pharmacotherapy of Parkinson's Disease, With a Focus on the Use of Dopaminergic Agents. *Pharmacy & Therapeutics*. **2015**; 40(9):590-600.
10. DeMaagd G, **Philip A**. Parkinson's Disease and Its Management Part 3: Nondopaminergic and Nonpharmacological Treatment Options. *Pharmacy & Therapeutics*. **2015**; 40(10):668-679.
11. DeMaagd G, **Philip A**. Parkinson's Disease and Its Management Part 4: Management of Motor Complications. *Pharmacy & Therapeutics* **2015**; 40(11):747-753.
12. DeMaagd G, **Philip A**. Parkinson's Disease and Its Management Part 5: Management of Non-Motor Features of PD. *Pharmacy & Therapeutics*. **2015**; 40(12):838-846.
13. **Philip A**, Stephens M, Watkins BE. Design and Implementation of a Laboratory-Based Drug Design and Synthesis Advanced Pharmacy Practice Experience (APPE). *Am J Pharm Ed*. **2015**;79(3):Article 43.
14. Khan MO, Deimling M, **Philip A**. Medicinal Chemistry: A unique and Indispensable Component of Pharmacy Curriculum. *Am J Pharm Ed*. **2011**;75(8).
15. **Philip A**, Poupaert JH, Cheve G, Muccioli G, Lambert D, McCurdy CR. Structure-activity relationship of phenytoinergic antiepileptic drugs related to ameltolide. *Medicinal Chemistry Research*, **2007**;16: 130-135.
16. **Philip A**, Poupaert JH, McCurdy CR. Opioid receptor-like 1(ORL1) molecular "road map" to understanding ligand interaction and selectivity. *Curr Top Med Chem*. **2005**;5:15-30.
17. Nieto MJ, **Philip A**, Poupaert JH, McCurdy CR. Solution-phase parallel synthesis of spirohydantoin. *ACS Combinatorial Science*. (Formerly *J Comb Chem*). **2005**;7:258-263.
18. **Philip A**, Lakshmi PV, Nagavardhini A, Srikavitha K, Murthy TEGK. Invitro evaluation of controlled release tablets of nifedipine. *The Indian Pharmacist IV*. **2005**:40:71-73.
19. **Philip A**, Geldenhuys WJ, Lockman PR, McAfee JH, Miller BL, McCurdy CR, Allen DD. Inhibition of choline uptake by N-cyclohexylcholine, a high affinity ligand for the choline transporter at the blood-brain barrier. *J Drug Targeting*. **2005**;13 (4): 259-266.

## BOOK CHAPTERS

---

1. Faruk Khan MO and **Philip AE. EDITORS of E-BOOK** “Medicinal Chemistry for Pharmacy Students Vol. 1”, **Volume 1 Title** “Fundamentals of Medicinal Chemistry and Drug Metabolism” ISSN (Online): 2589-6989. ISBN (Online): 978-1-68108-687-3. © 2018, Bentham eBooks.
2. Faruk Khan MO and **Philip AE. EDITORS of E-BOOK** “Medicinal Chemistry for Pharmacy Students Vol. 2”, **Volume 2 Title** “Medicinal Chemistry of Drugs Affecting the Nervous System” ISSN (Online): 2589-6989. ISBN (Online): 978-981-14-5407-3. © 2020, Bentham eBooks.
3. Faruk Khan MO.; **Philip AE.** E-BOOK Chapter 1 *Introduction*. Medicinal Chemistry for Pharmacy Students, 2018, Vol. 1, 1-12. © 2018, Bentham eBooks.
4. Talukder R.; **Philip AE.**; Faruk Khan MO. Chapter 7 Drug Metabolism. Medicinal Chemistry for Pharmacy Students, 2018, Vol. 1, 188-280. © 2018, Bentham eBooks.
5. **Philip AE.**; DeMaagd GA. Chapter 8 Parkinson Disease and Antiparkinsonian Drugs. Medicinal Chemistry for Pharmacy Students, 2020, Vol. 2, 319-374. © 2020, Bentham eBooks.
6. Theberge C.; Lindsey-Goodrich K.; **Philip AE.**; DeMaagd GA. Chapter 1 Drugs Affecting the Cholinergic System. Medicinal Chemistry for Pharmacy Students, 2020, Vol. 2, 1-58. © 2020, Bentham eBooks

## INVITED PRESENTATIONS

---

1. Precepting Difficult Students. Ashok Philip and Kim Lewis. Pharmacy Preceptor Development Seminar, VA Tennessee Valley Healthcare System. August 19<sup>th</sup>-20<sup>th</sup>, **2021**.
2. Assessment of Student Readiness to Enter APPEs: The Preceptors’ Perspective. (Speaker) **Ashok E. Philip**, Union University; (Speaker) Mark Stephens, Union University; (Speaker) Suzanne Carbonaro, Philadelphia College of Pharmacy University of the Sciences; (Speaker) Scott Green, Philadelphia College of Pharmacy University of the Sciences; (Speaker) Roopali Sharma, Touro College of Pharmacy—New York. 2019 AACP Annual Meeting, Chicago IL. **July 2019**.
3. Using Psychometric Data to Improve Item and Test development. (Speaker) **Ashok E. Philip**, Union University; (Speaker) Margarita V. DiVall, Northeastern University; (Speaker) Sean Leonard, Wegmans School of Pharmacy. 2019 AACP Annual Meeting, Chicago IL. **July 2019**.
4. Experiential Education Section: Ready or Not? Assessment of Student Readiness to Enter Advanced Pharmacy Practice Experiences (APPE). (Moderator) Margarita V. DiVall; Northeastern University; (Speaker) **Ashok E. Philip**; Union University; (Speaker) Roopali Sharma; Touro College of Pharmacy—New York; (Speaker) Kali VanLangen; Ferris State University. 2018 AACP Annual Meeting, Boston MA. Tuesday; **July 2018**.
5. **Philip A.** Part 1. Structure-Based De Novo Design and Synthesis of Small Molecule Inhibitors of Protective Antigen (PA) and Protein Kinase G (PknG) A Molecular target for multidrug resistant tuberculosis. Dept. of Pharmaceutical Sciences, School of Pharmacy, Southern Illinois University Edwardsville (SIUE), IL, **April 21, 2017**.
6. **Philip A.** Structure-Based De Novo Design and Synthesis of Small Molecule Inhibitors of Protective Antigen (PA): A Novel Anti Toxin Approach for Combating Anthrax. Keynote Speaker, KLS-ACS Section Meeting, Union University, **Sep 18, 2012**.

## INVITED PRESENTATIONS

---

7. Blanton A; Watkins B; **Philip A.** Structure-Based De Novo Design and Synthesis of Protein-Protein Interaction Inhibitors: A Novel Anti-Toxin Approach for Combating Anthrax. Honors Research Symposium, Mississippi University for Women, Columbus, MS, **2012**.
8. **Philip A.** Design, Synthesis, Molecular Modeling, and Biological Evaluation of Novel NOP (nociceptin/orphanin FQ peptide) Receptor Ligands. Dept. of Pharmaceutical Sciences, College of Pharmacy, South Western Oklahoma State University (SWOSU), Weatherford, OK, **June 28, 2010**.
9. **Philip A.** Design, Synthesis and Biological Evaluation of Novel NOP Receptor Ligands. Keynote Speaker, National Chemistry Week, ACS-SMACS Chapter, Dept. of Chemistry, Union University, **Oct 22, 2010**
10. **Philip A.** Design and Synthesis of Formyl Peptide Receptor (FPR) Inhibitors as Potential Lead Compounds in the Treatment of Glioma. University of New Mexico, Albuquerque, NM, **2008**.
11. **Philip A.** Progress Towards the Design and Synthesis of Formyl Peptide Receptor Inhibitors as Potential Lead Compounds in the Treatment of Glioma. Chemical Biology and Therapeutics, St. Jude Children's Research Hospital, Memphis, TN, **2008**.
12. **Philip A.** Inhibition of Choline Uptake by *N*-cyclohexylcholine, a High Affinity Ligand for the Choline Transporter at the Blood-Brain Barrier. 32<sup>nd</sup> Annual MALTO Medicinal Chemistry and Pharmacognosy Meeting, Oxford, MS, **2005**.
13. **Philip A.** Probing Structural Requirements of The Blood-brain Barrier Choline Transporter Through Synthetic Choline Analogues. Podium Presentation of Research at the 30th Annual MALTO Medicinal Chemistry and Pharmacognosy meeting, UAMS, Little Rock, AR, **2003**.
14. **Philip A.** Proteasome Inhibitors and Cancer Therapy. Dept of Medicinal Chemistry, University of Mississippi, Oxford, MS. **2003**
15. **Philip A.** Novel Anti-toxin Approach for Combating Anthrax. Dept of Medicinal Chemistry, University of Mississippi, Oxford, MS. **2003**.
16. **Philip A.** Proteomics: An Overview. Dept of Medicinal Chemistry, University of Mississippi, Oxford, MS. **2002**.
17. **Philip A.**  $\beta$ -Sheet Identification in Proteins by Solid-State NMR Spectroscopy. Dept of Medicinal Chemistry, University of Mississippi, Oxford, MS. **2002**.
18. **Philip A.** Current Approaches to Cancer Therapy. Andhra University, Visakhapatnam, India. **2001**.

## POSTER PRESENTATIONS

---

1. Kate Norville, Brandon Conaway, Zac Halford, **Ashok Philip**. Design and Evaluation of the Effectiveness of a Cancer Clinic Simulation. *Virtual AACP Annual Meeting*. **2020**.
2. Bethanee Horn, Kate Norville, Jeffrey Snow, Mary Anderson, Chris Stoltz, Emily Brandl, Ashley Pugh, Taylor Mathis, **Ashok Philip**. Design and Evaluation of an Interdisciplinary Escape Room-Themed Non-prescription Medications Lab. 16<sup>th</sup> Annual Union University Scholarship Symposium, **2019**.
3. Bethanee Horn, Kate Norville, Jeffrey Snow, Mary Anderson, Chris Stoltz, Emily Brandl, Ashley Pugh, Taylor Mathis, **Ashok Philip**. Design and Evaluation of an Interdisciplinary Escape Room-Themed Non-prescription Medications Lab. AACP Annual Meeting, Chicago, IL. **2019**.
4. Evaluation of Pharmacy Student Burnout and Effectiveness of Intervention Strategies. Jenna Summerlin, Drew Wells, **Ashok Philip**, Kim Jones. AACP Annual Meeting, Chicago, IL. **2019**.
5. A Complete Course: The CEPHS Co-Curriculum Model. Kim Jones, Emily Brandl, **Ashok Philip**. AACP Annual Meeting, Chicago, IL. **2019**.
6. **Philip A.**; DiVall M.; Sharma R. et al. ExamSoft® Use as a Curricular Assessment and Learning Analytics Tool. AACP Annual Meeting, Boston, MA. **2018**.
7. VanLangen KM.; Meny L.; Bright D.; Seiferlein M.; **Philip A.**; Sharma R.; DiVall M. Measuring APPE Readiness: A Survey of U.S. Colleges of Pharmacy. AACP Annual Meeting, Boston, MA. **2018**.
8. Jones K, Castleman A, **Philip A**, Watkins B. Progress Towards Structure-based De Novo Design and Synthesis of Small Molecule Inhibitors of Protective Antigen (PA): An Anti-toxin Approach for Combating Anthrax. 251<sup>st</sup> American Chemical Society Meeting, San Diego, CA. **2016**.
9. Castleman A, Mohan D, Hunter N, Watkins B, **Philip A**. A Virtual screening protocol to identify potential small molecule inhibitors of PKnG. 42<sup>nd</sup> Annual MALTO Medicinal Chemistry & Pharmacognosy Meeting-in-Miniature. The University of Mississippi, Oxford, MS. **2015**.
10. Castleman A, Mohan D, Hunter N, Watkins B, **Philip A**. Virtual screening for potential small molecule inhibitors of Protein Kinase G: a promising target for multidrug resistant tuberculosis. AACP Annual Meeting, National Harbor, MD. **2015**.
11. Jones KM, Lindsey-Goodrich KA, **Philip A**, DeMaagd GA, Stephens MA. UUCOP's Innovative Approaches to Standards 2016. AACP Annual Meeting, National Harbor, MD. **2015**.
12. Mohan D, Hunter N, Watkins B, **Philip A**. Virtual screening for potential small molecule inhibitors of Protein Kinase G: a promising target for multidrug resistant tuberculosis. 2014 TSHP Midyear Meeting, Nashville, TN. **2014**.
13. Mohan D, Hunter N, Watkins B, **Philip A**. Virtual screening for potential small molecule inhibitors of Protein Kinase G: a promising target for multidrug resistant tuberculosis. Union University Fall Poster Session. **2013**.
13. Watkins B, **Philip A**, Stephens MA, Mitchell S. Innovations in Education: Design and Implementation of a Laboratory-Based Drug Design and Synthesis APPE. AACP Annual Meeting, Chicago, IL. **2013**.
14. Amoyaw P, C. Barnett C, Tanjong T, Tekwani B, **Philip A**, Faruk Khan MO. Novel Cyclen Based Antimalarials: Regioselective Synthesis of 4,10-Bis(7-chloroquinoline)-1,4,7,10-Tetraazadodecane Analogues. AACP Annual Meeting, Kissimmee, FL. **2012**.
15. VanHise N, Mitchell J, Hunter N, Mohan D, Watkins B, Philip A. Solution-phase parallel synthesis of small molecule inhibitors of protective antigen (PA): A novel anti-toxin approach for combating anthrax. Tennessee Pharmacists Association (TPA), Nashville, TN. **2012**.
16. **Philip A**, Williams A. Design, Implementation, and Evaluation of an Interdisciplinary Pain Management Elective Course. AACP Annual Meeting and Seminars, San Antonio, TX. **2011**.

## POSTER PRESENTATIONS

---

17. **Philip A**, Khan S. Safety Labeling Changes of Drugs in 2009: Evaluation of Boxed Warnings. AACP Annual Meeting and Seminars, San Antonio, TX, **2011**.
18. Hunter N, Mohan D, Mitchell J, Van Hise N, Watkins B, **Philip A**. Structure-Based De Novo Design of Small Molecule Inhibitors of Protective Antigen (PA): A Novel Anti-Toxin Approach for Combating Anthrax. 8<sup>th</sup> Annual Union University Scholarship Symposium, **2011**.
19. Hunter N, Mohan D, Mitchell J, Van Hise N, Watkins B, **Philip A**. Solution-Phase Parallel Synthesis of Small Molecule Inhibitors of Protective Antigen (PA): A Novel Anti-Toxin Approach for Combating Anthrax. 8<sup>th</sup> Annual Union University Scholarship Symposium, **2011**.
20. **Philip A**, Cook E. Student Perceptions of a Science-Based Drug Information Poster: Groundwork for an Interdisciplinary Elective Course. AACP Annual Meeting and Seminars, Seattle, WA. **2010**.
21. **Philip A**, Nieto M, McCurdy C. Sequential Purification and structural Analysis of Spirohydantoin Library: Putative Allosteric Modulators of NOP Receptor. AACP Annual Meeting and Seminars, Boston, MA. **2009**.
22. **Philip A**, Webb T. Design and Synthesis of FPR Inhibitors as Potential Lead Compounds in the Treatment of Glioma. Postdoctoral Appreciation Week, St. Jude Children's Research Hospital, Memphis, TN. **2008**.
23. **Philip A**, Patterson S. Combinatorial Based Chemistry and High Throughput Screening Methods to Identify Potential Drugs for Pancreatic Cancer. University of Minnesota, Center for Drug Design, Minneapolis, MN. **2007**.
24. **Philip A**, Nieto M, Navarro H, Warner K, Standifer KM, Zhang Y, Poupaert JA, McCurdy CR. Spirohydantoins as Allosteric Modulators of the NOP receptor. International Narcotics Research Conference, St. Paul, MN. **2006**.
25. **Philip A**, Nieto M, McCurdy CR. Solution-Phase Parallel Synthesis of Spirohydantoin Derivatives. 227<sup>th</sup> ACS National Meeting, Anaheim, CA. **2004**.
26. **Philip A**, Nieto M, McCurdy CR. Application of Solution-Phase Parallel Synthesis to Preparation of Spirohydantoin Derivatives. 31<sup>st</sup> Annual MALTO Medicinal Chemistry and Pharmacognosy meeting, UT, Memphis, TN. **2004**.
27. Vangapandu S, **Philip A**, Stewart JD, Zjawiony J, Avery MA, McCurdy CR. Progress Toward the Total Synthesis of Salvinorin A. 225<sup>th</sup> ACS National Meeting, New Orleans, LA. **2003**.

## PROFESSIONAL SERVICE

---

2019-Present	AACP Assessment SIG, Member of Strategic Initiative Committee
Nov 2019	Co-Author - A Guide to CORE ELMS Reports for ACPE Accreditation
2019-2020	Reviewer for AACP - Express Scripts Scholars Program
2019-2020	Reviewer for AACP Experiential Ed Section - New Investigator Award Reviewer
2019-2020	Reviewer for AACP - 2020 CVS Health Minority Scholarship for Pharmacy Students
2018-2019	Reviewer for AACP - 2019 CVS Health Minority Scholarship for Pharmacy Students
2018-2019	AACP ASSESSMENT SIG, Member-at-Large of Executive Planning Committee
2017-2018	AACP ASSESSMENT SIG, Member of Networking/Mentoring Taskforce
2017-2018	AACP ASSESSMENT SIG Mentor Program Served as <i>Peer Partner</i> for Amy Schwartz and Amy Wang
2015-2016	AACP ASSESSMENT SIG Mentor Program Served as <i>Peer Partner</i> for Doug Reid; Aimee Strang; Milinda Fowles Served as <i>Mentor</i> for Jennifer Donovan; Lanae Fox
2015-2016	AACP ASSESSMENT SIG - Member of Nominations and Programming Committee
2014-2015	AACP ASSESSMENT SIG - Member of Nominations Committee
2019-2020	
2017-2018	Reviewer for AACP New Investigator Award (NIA)
2016-2017	
2014-2015	
2011-2012	
2013-2014	AACP CHEMISTRY Section – Member of Programming Committee
2012-2013	Moderator – AACP NIA Mini-Symposium
Aug 2016	External Referee, Promotion/Tenure Portfolio of Dr. Theberge, UNECP, Portland, ME
Aug 2016	External Referee, Promotion/Tenure Portfolio of Dr. Kurup, Roosevelt University COP, Schaumburg, IL
Sep 2014	External Referee, Promotion Portfolio of Dr. Weldon, Sep 2014, LLUSP, Loma Linda, CA
Fall 2014	International Ph.D. Dissertation Reviewer: Investigation and Biological Screening of <i>Lepidagathis Critstata</i> Willd and <i>Evoluulus</i> Alsinoids
Fall 2013/2012	International Ph.D. Dissertation Reviewer
Feb 2009	Grant Reviewer for ASHP Research and Education Foundation, Pharmacy Resident-Practice Based Research Grants
2008-Present	<b>Manuscript Reviewer:</b> Medicinal Chemistry Research; Biorganic & Medicinal Chemistry; Currents in Pharmacy Teaching and Learning; Therapeutic Advances in Endocrinology and Metabolism; Archiv der Pharmazie
2010-Present	Advisory Board, Journal of Advanced Laboratory Research in Biology (JALRB)
2015-Present	Editorial Board Member, SM Journal of Pharmacology and Therapeutics



## **ACADEMIC & PROFESSIONAL MEMBERSHIPS**

---

2020-Present	American College of Lifestyle Medicine [ACLM]
2008-Present	American Association of Colleges of Pharmacy [AACP] Member: Chemistry and Experiential Sections and Assessment SIG
2009-Present	Rho Chi Pharmaceutical Honor Society

## **ACADEMIC COMMITTEES**

---

June 2021 - Present	Executive Committee, Strategic Planning & Programmatic Assessment Committee <i>UAMS College of Pharmacy, Little Rock, AR</i>
Aug 2016 – June 2021	Chair, Assessment Committee <i>Union University College of Pharmacy, Jackson, TN</i>
Nov 2015 - Dec 2017	SACSCOC Reaffirmation Leadership Team <i>Union University, Jackson, TN</i>
Aug 2014 - 2016	Past-Chair, Assessment Committee <i>Union University College of Pharmacy, Jackson, TN</i>
Aug 2012 - Aug 2014	Chair, Assessment Committee <i>Union University College of Pharmacy, Jackson, TN</i>
Aug 2010 - Aug 2012	Chair, Scholarship Committee <i>Union University College of Pharmacy, Jackson, TN</i>
Aug 2015 - June 2021	Ex-Officio Member - Interprofessional Education Committee <i>Union University College of Pharmacy, Jackson, TN</i>
Aug 2012 - June 2021	Ex-Officio Member – Curriculum Committee <i>Union University College of Pharmacy, Jackson, TN</i>
Aug 2017 - June 2021	Member – Academic Standing and Progressions Committee (ASPR) <i>Union University College of Pharmacy, Jackson, TN</i>
Jan 2010 – May 2020	Member – Honors and Awards Committee <i>Union University College of Pharmacy, Jackson, TN</i>
Jan 2010 - Aug 2014	Member – Student/Faculty Relations Committee <i>Union University College of Pharmacy, Jackson, TN</i>
May 2011 - Aug 2011	Chair – Faculty Search Committee <i>Union University College of Pharmacy, Jackson, TN</i>
Aug 2018 - June 2021	Institutional Animal Care Committee <i>Union University College of Pharmacy, Jackson, TN</i>
Aug 2017 - Aug 2018	Member - Writing Center Advisory Council <i>Union University, Jackson, TN</i>

## ACADEMIC COMMITTEES

---

Jan 2010 - Aug 2012	Member - Faculty Affairs Committee <i>Union University, Jackson, TN</i>
Aug 2012 - Aug 2015	Member - Employee Benefits Committee <i>Union University, Jackson, TN</i>
Aug 2008 - Dec 2009	Vice-President – SOP Faculty Council <i>LECOM School of Pharmacy, Erie, PA</i>
Aug 2008 - Dec 2009	Faculty Advisor - Student Mentoring Club <i>LECOM School of Pharmacy, Erie, PA</i>
Aug 2008 - Dec 2009	Faculty Co-Advisor - Christian Pharmacists Fellowship International(CPFI) <i>LECOM School of Pharmacy, Erie, PA</i>
Aug 2008 - Dec 2009	Member – Admissions Committee <i>LECOM School of Pharmacy, Erie, PA</i>
Aug 2008 - Dec 2009	Member – Scholarship and Awards Committee <i>LECOM School of Pharmacy, Erie, PA</i>
Aug 2008 - Dec 2009	Member – Center for Drug Information and Research <i>LECOM School of Pharmacy, Erie, PA</i>
Aug 2008 – Dec 2009	Member – Resident Advisory Committee <i>LECOM School of Pharmacy, Erie, PA</i>

## TEACHING EXPERIENCE

---

June 2021 - Present	Coordinator: PHSC 7102 Biological and Cellular Chemistry <i>UAMS College of Pharmacy, Little Rock, AR</i>
Fall 2011 - June 2021	Drug Action-II and III (PHRM 736/738): Instructor Antiarrhythmic Agents, Antibacterial Agents, Antifungal Agents, Antimycobacterial Agents, Gout and RA Drugs, Antiviral Agents <i>Union University College of Pharmacy, Jackson, TN</i>
Spring 2012 - June 2021	Drug Action-IV (PHRM 748): Course Coordinator and Instructor Anticonvulsant Agents, Sedative-Hypnotics and Anxiolytics, Opioid Analgesics, Antimigraine Agents, ADHD Treatment, Skeletal Muscle Relaxants, Antipsychotic Agents, Bipolar Agents, Antidepressants, Parkinson Disease, Alzheimer's Disease, and <i>Antineoplastic Agents [PHRM 758]</i> <i>Union University College of Pharmacy, Jackson, TN</i>
Spring 2011- June 2021	Chemical Basis of Drug Action (PHRM728): Instructor Anticoagulant, Antiplatelet and Thrombolytic Agents, Anti -diabetic Agents <i>Union University College of Pharmacy, Jackson, TN</i>
Feb 2018 - June 2021	Academic Pharmacy (APPE 770E): Course Coordinator/Instructor <i>Union University College of Pharmacy, Jackson, TN</i>
Fall 2013 - June 2021	Drug Design and Synthesis (APPE 770A): Course Coordinator/Instructor <i>Union University College of Pharmacy, Jackson, TN</i>
Fall 2010, Fall 2011, May 2014	Critical Review of Drugs Elective (PHRM 771): Course Coordinator/Instructor <i>Union University College of Pharmacy, Jackson, TN</i>

## TEACHING EXPERIENCE

---

Spring 2010 and 2011	Medicinal Chemistry III (PHRM 745): Course Coordinator and Instructor Topics same as listed for PHRM738 <i>Union University College of Pharmacy, Jackson, TN</i>
Fall 2010 and 2011	Medicinal Chemistry II (PHRM 735): Course Coordinator and Instructor Topics same as listed for PHRM736 <i>Union University College of Pharmacy, Jackson, TN</i>
Spring 2011 and July 2010	Pain Management Elective (PHRM 707): Instructor Opioid Pharmacology <i>Union University College of Pharmacy, Jackson, TN</i>
Fall 2010	Principles of Medicinal Chemistry (PHRM 715): Instructor Principles of Pharmacokinetics and Pharmacodynamics, Transporter Proteins <i>Union University College of Pharmacy, Jackson, TN</i>
Spring 2010	Pharmacology-I (PHRM 727): Instructor Muscarinic Agonists and Antagonists, Anticholinesterase Agents, Pharmacogenomics <i>Union University College of Pharmacy, Jackson, TN</i>
Spring 2010	Pharmacology-III (PHRM 747): Instructor Antiepileptic Agents, Opioid Analgesics and Sedative-Hypnotics and Anxiolytics <i>Union University College of Pharmacy, Jackson, TN</i>
Spring 2010	Pharmaceutics-II (PHRM 734): Lab Coordinator <i>Union University College of Pharmacy, Jackson, TN</i>
Fall Term 2008 and Fall Term 2009	Pharmacology/Medicinal Chemistry-I (PHC1006) <i>LECOM School of Pharmacy, Erie, PA</i>
Fall Term 2008	Malaria Topic coordinator <i>LECOM School of Pharmacy, Erie, PA</i>
Winter Term 2008 and Winter Term 2009	Pharmacology/Medicinal Chemistry-II (PHC1007) <i>LECOM School of Pharmacy, Erie, PA</i>
Spring Term 2009	Pharmacology/Medicinal Chemistry-III (PHC1008) <i>LECOM School of Pharmacy, Erie, PA</i>
Summer Term 2009	Pharmacology/Medicinal Chemistry-IV (PHC1009) <i>LECOM School of Pharmacy, Erie, PA</i>
Summer Term 2009	Capstone Course, ADM 1012 <i>LECOM School of Pharmacy, Erie, PA</i>
Summer Term 2009	Graduate Seminar/Poster, GDS 1002 PH2 E <i>LECOM School of Pharmacy, Erie, PA</i>
Fall Term 2009	Complementary Alternative Medicine, AME 1001 PH2 E <i>LECOM School of Pharmacy, Erie, PA</i>

## PROFESSIONAL MEETINGS

---

July 2020	American Association of Colleges of Pharmacy (AACP) <i>Virtual</i> Annual Meeting
July 2019	American Association of Colleges of Pharmacy (AACP) Annual Meeting <i>Chicago, IL</i>
Oct 2018	AACP 2018 Fall Institute - Strategies to Promote a Culture of Well-being among Students and Faculty. <i>Herndon, Virginia</i>
September 2017	ACPE's Site-Team Evaluator Training, <i>Chicago, IL</i>
July 2017	American Association of Colleges of Pharmacy (AACP) Annual Meeting <i>Nashville, TN</i>
August 2016	ACPE Self-Study Workshop, <i>Chicago, IL</i>
July 2016	American Association of Colleges of Pharmacy (AACP) Annual Meeting <i>Anaheim, CA</i>
July 2015	American Association of Colleges of Pharmacy (AACP) Annual Meeting <i>National Harbor, MD</i>
May 2015	42nd Annual MALTO Medicinal Chemistry & Pharmacognosy Meeting-in- Miniature. <i>The University of Mississippi, MS</i>
July 2014	American Association of Colleges of Pharmacy (AACP) Annual Meeting <i>Grapevine, TX</i>
July 2013	American Association of Colleges of Pharmacy (AACP) Annual Meeting <i>Chicago, IL</i>
July 2012	American Association of Colleges of Pharmacy (AACP) Annual Meeting <i>Kissimmee, FL</i>
July 2011	American Association of Colleges of Pharmacy (AACP) Annual Meeting <i>San Antonio, TX</i>
July 2010	American Association of Colleges of Pharmacy (AACP) Annual Meeting <i>Seattle, WA</i>
July 2009	American Association of Colleges of Pharmacy (AACP) Annual Meeting <i>Boston, MA</i>
July 2006	International Narcotics Research Conference <i>St. Paul, MN</i>

## CURRENT RESEARCH

---

1. Scholarship of Teaching and Learning [SoTL]
  - Design and Evaluation of Escape-Room Themed OTC Medications Lab
  - Design and Evaluation of the Effectiveness of a Cancer Clinic Simulation
  - Design and Evaluation of the Effectiveness of a Migraine Simulation
  - Effect of evidence-based Lifestyle Medicine interventions on Pharmacy Student Health and Learning
2. Scholarship of Assessment
  - Assessment of Student Readiness to Enter APPEs
  - Evaluation of ZOOM versus In-Class Pedagogy on Student Learning
  - Use of Psychometric Data to Improve Item and Test Development
3. Structure-Based De Novo Design and Synthesis of Small Molecule Inhibitors of Protective Antigen (PA) and Protein Kinase G (PknG)
4. Effects of chemistry on pharmacokinetic and pharmacodynamic properties of natural and artificial sweeteners

## GRANTS

---

Fall 2020	Taste of Lifestyle Medicine Grant. <i>Funded \$250</i> Faculty Advisor – Lifestyle Medicine Interest Group [LMIG]
Fall 2019	Graduate Research Grant - Integration of Pharmacists' Patient Care Process (PPCP) into a Cancer Clinic Simulation Student: Kate Norville (Class of 2021). <i>Funded \$1000</i>
Fall 2018	Graduate Research Grant - Design and Evaluation of an Interdisciplinary Escape Room-Themed Nonprescription Drugs Lab Student: Bethanee Horn (Class of 2019). <i>Funded \$650</i>
2015 PEW Research Program	Rational Design of PknG Inhibitors: Novel Compounds for Blocking Survival of Mycobacterium tuberculosis. <i>Not Funded</i>
2010-2011 AACP New Investigator Award	Structure-Based De Novo Design and Synthesis of Small Molecule Inhibitors of Protective Antigen (PA): A Novel Anti-Toxin Approach for Combating Anthrax. <i>Not Funded</i>