

May 26, 2016

Dear Colleagues:

The Drake College of Pharmacy and Health Sciences would like to provide you with a summary of its scholarly activities for CY 2015.

Highlights of the attached report include:

- 21 PEER-REVIEWED ARTICLES
- 26 PEER-REVIEWED PODIUM PRESENTATIONS
- 35 PEER-REVIEWED POSTERS
- 9 INVITED ARTICLES/COLUMNS
- 24 INVITED PODIUM PRESENTATIONS
- 9 INVITED POSTERS
- 1 BOOKS
- 4 BOOK CHAPTERS
- 37 UNDERGRADUATE/PROFESSIONAL STUDENT RESEARCH PROJECTS
- 19 NEW GRANTS/CONTRACTS TOTTALLING **\$153,127**

This report does not summarize the many local, regional and national service accomplishments of the faculty. Also omitted are multi-year funding with start dates prior to 2015.

Regards,

Charles R. Phillips

Assistant Dean for Assessment

*Preparing today's learners to be tomorrow's health care leaders*

## CPHS SCHOLARSHIP SUMMARY

CALENDAR YEAR 2015:

(COMPLETED WORK)

### PEER REVIEWED ARTICLES: (21<sup>1</sup>)

Brower KA, Telles-Garcia NA, Smith HL, **Wall GC**. Topical nitroglycerin ointment for treatment of acute hypertension in hospitalized inpatients. *J Cardiovasc Pharmacol Ther.* 2015;20:284-8

**Bryant GA, Koenigsfeld CF, Lehman NP**, Smith HL, Logemann CD, Phillips KT. A retrospective evaluation of response to vitamin D supplementation in obese versus non-obese patients. *J Pharm Pract.* 2015 Dec; 28(6):543-7. doi: 10.1177/0897190014544822. Epub 2014 Aug 14.

Buege M, Mahajan PB. Clinical Trials of Poly(ADP-Ribose) Polymerase Inhibitors for Cancer Therapy: A Review. *Rev Recent Clin Trials.* 2015;10(4):326-39. PubMed PMID: 26374559.

Clifford KM, **Dy-Boarman EA**, Haase KK, Maxvill KH, Pass S, Alvarez CA. Challenges with Diagnosing and Managing Sepsis in Older Adults [Published online ahead of print December 21, 2015]. *Expert Rev Anti Infect Ther.* doi: 10.1586/14787210.2016.1135052.

Duncan W, **Bottenberg MM, Chase M, Chesnut R, Clarke C, Schott K, Torry R, Welty T**. An industrial engineering approach to cost containment of pharmacy education. *Am J Pharm Educ.* 2015 79(9):131.

**Fischbach, J.** & Domina, A. (2015). Is an occupational therapy residency the right choice for me?. *OT Student Pulse.* (Oct. 7). Retrieved from: <http://studentpulse.aota.org/2015/10/07>

**Gentry BG, Phan Q**, Hall ED, Breitenbach JM, Borysko KZ, Kamil JP, Townsend LB, Drach JC. Human Cytomegalovirus Resistance to the Deoxyribosylindole Nucleosides Maps to a Transversion Mutation in the Terminase Subunit-Encoded Gene UL89. *Antimicrobial Agents and Chemotherapy* 59(1): 226-232 (2015).

Giger JT, Pope, ND, Vogt H, **Gutierrez C**, Newland L, Lemke J, & Lawler, MJ. Remote patient monitoring acceptance trends among older adults residing in a frontier state. *Computers in Human Behavior.* 2015; 44:174-182.

**Harrell, JW**, RE Johansson, TD Evans, JJ Sebranek, BJ Walker, MW Eldridge, RC Serlin, WG Schrage (2015). Functional loss of nitric oxide signaling is masked by preserved microvascular endothelial function in young obese adults. *Front Physiol.* 6:387. doi: 10.3389/fphys.2015.00387

**Kassel LE**, Odum LE. "Our Own Worst Enemy: Pharmacologic Mechanisms of Hypertension" *Advan Chron Kid Disease* 2015;22(3):245-252.

Kellawan, JM, **JW Harrell**, EM Schrauben, CA Hoffman, A Roldan-Alzate, WG Schrage, O Wieben. Quantitative cerebrovascular 4D flow MRI at rest and during hypercapnia challenge. *Magn Reson Imaging.* PMID: 26708027, doi: 10.1016/j.mri.2015.12.016

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<sup>1</sup> Student co-authors are underlined

Kellawan, JM, RE Johansson, **JW Harrell**, JJ Sebranek, BJ Walker, MW Eldridge, WG Schrage (2015). Exercise vasodilation is greater in women: contributions of nitric oxide synthase and cyclooxygenase. *Eur J Appl Physiol*. 115(8): 1735 – 1746.

**Kjos AL**, Nguyen BT, Robertson C, **Rovers, J**. A drug procurement. storage and distribution model in public hospitals in a developing country. *Res Soc Admin Pharm* 2015; doi:10.1016/j.sapharm.2015.07.007

**Kjos, A, Andreski, M**. "Pharmacy Technicians' Attitudes of their Roles in Public Safety in Iowa." *Journal of the American Pharmacists Association*. 2015 Sep-Oct; 55(5):493-502. doi: 10.1331/JAPhA.2015.15010

**Lehman NP, Bryant GA, Bender J, Koenigsfeld CF**, Logemann CD, Saylor M. Left subconjunctival hemorrhage • renal dysfunction • international normalized ratio of 4.5 • Dx? *J Fam Pract* 2015; 64(10):E3-E4

**Mobley-Bukstein,W**; Schleder, M; *Vitamins and Minerals: Considerations in the Patient with Diabetes, On The Cutting Edge* Spring 2015 edition.

Peltonen, GL, **JW Harrell**, CL Rousseau, BS Ernst, ML Marino, MK Crain, WG Schrage (2015). Cerebrovascular regulation in men and women: stimulus-specific role of cyclooxygenase. *Physiological Reports*. 3(7) e12451: 1-11.

**Percival KM**, Valenti KM, Schmittling SE, Strader BD, Lopez RR, Bergman SJ. Impact of an antimicrobial stewardship intervention on urinary tract infection treatment in the ED. *Am J Emerg Med*. 2015 Sep; 33(9):1129-33. doi:10.1016/j.ajem.2015.04.067

**Soltis, R**, N Verlinden, N Kruger, A Carroll and T Trumbo. Process-Oriented Guided Inquiry Learning Strategy Enhances Students' Higher Level Thinking Skills in a Pharmaceutical Sciences Course. *Am. J. Pharm. Educ.* 79 (1) Article 11, 2015.

Tough, M and **Mengesha, A.E**. Photostability of nifedipine in monolaurin solid matrix and micellar solution. *J. App. Pharm. Sci.* 2015; 5(2): 066-073. <http://imsear.hellis.org/jspui/bitstream/123456789/159103/1/japs2015v5n2p66.pdf>

Whitley H, **Bell E**, Eng M, Fuentes D, Helms K, **Maki E**, Vyas D. Practical team-based learning from planning to implementation. *American Journal of Pharmaceutical Education* 2015;79(10):1-12

#### **PEER REVIEWED PODIUM PRESENTATIONS: (26)**

**Bottenberg MM, Haack SL**. "Innovative Use of Technologies to Reduce Workload in a Clinical Assessment Laboratory." AACP Annual Meeting, National Harbor, MD, July 2015.

D Fuentes, **R Chesnut**, L Schlesselman. Pedagogy and Assessment Strategies in Student Leadership Development. Presented at American Association of Colleges of Pharmacy, Washington DC; July 2015.

**Grady, S**. "Management of Antipsychotic-induced Adverse Effects" Midwest Pharmacy Expo February 14, 2015

**Gutierrez C**, Ruppe E. Hands-only CPR: Assessing the impact of mini-training sessions to increase the knowledge and confidence of college students to administer care. Presented at: University of South Dakota School of Health Sciences Research Conference; April 24, 2015; Vermillion, SD.

**Gutierrez C**. Assessing the impact of lay patient advocate training in tribal communities. Presented at: Health Literacy Research Conference; November 2-3, 2015; Bethesda, MD.

**Harrell, JW**. Contribution of cyclooxygenase and reactive oxygen species to cerebral dilation in human metabolic syndrome. Presented at: Iowa Physiological Society Annual Meeting, 2015; Des Moines, IA

**Johnson, J**. (Webinar) Obesity Guidelines and Treatment Options. Presented to pharmacists for CE as part of CEI program "Get A Grip on the Guidelines" Drake's Back to School Webinar Series. September 25, 2014. Represented to pharmacists for CE to Central Iowa Pharmacy Association. January 12, 2015.

**Koenigsfeld, CF**, Haines, S. "Approaches to Prevention and Management of Obesity." APhA Annual meeting, San Diego, March 2015.

**Lehman, Nic**. Nothing as it Seems: Why am I Taking This? Presented at : Collaborative Education Institute 2015 Midwest Pharmacy Expo; Feb 14th, 2015; Des Moines, IA

**Mahajan, P**. 'Pharmacogenomics: A Novel Approach To Improve Health Care Outcomes' Medicap Pharmacists at GRx Holdings, West Des Moines IA; March 11, 2015.

**Mahajan, P**. 'Genomic technologies for Improving Health Care' Presented at the International Conference on Healthcare and Technical Research' at the Manipal University, Manipal India December 23, 2015

**Mahajan, P**. 'Pharmacogenomics for biologics. Presented at the Symposium on 'Emerging role of Pharmacogenomics (PGx) and Big Data on Development of Biologics' at the National Biotechnology Conference of the American Association of Pharmaceutical Scientists; June 10, 2015 at the San Francisco Marriott Marquis, San Francisco, CA

**Mahajan, P**. 'Pharmacogenomics: 101' in 'Pharmacogenomics: Applications & Integration' A 'Back to School' Webinar Series organized by CEI, Sept. 3, 2015

**Mahajan, P**. 'Pharmacogenomics: A Novel Approach To Improve Health Care Outcomes' CEI Webinar, April 16, 2015

**Mengesha, A**. Triggerable lipid-based local delivery of chemotherapy: Smart medical system. Presented at: 2015 FUTURE Biomedicine Symposium; July 31, 2015; University of Iowa, Iowa City, IA

**Meyer, Kristen & Mahajan, P**. (team presentation) 'Pharmacogenomics: Anticoagulants and Cardiovascular Medications' in 'Pharmacogenomics: Applications & Integration' A 'Back to School' Webinar Series organized by CEI, Sept. 17, 2015

O'Brien MS, Selleseth D, Sethna P, **Gentry BG**. Brincidofovir and Maribavir are Synergistic against Cytomegalovirus in vitro. Presented at: 55th Annual Interscience Conference on Antimicrobial Agents and Chemotherapy, San Diego, CA; Sept 2015.

**Percival KM**. "Antibiotic Drug Classification and Indications for Use." Infusion Nurses Society Annual Convention and Industrial Exhibition. Louisville, KY. May 2015.

**Rovers J**, Suleman F. Medication use on medical mission trips. Presented at Podium Session, Heartland Global Health Consortium Annual Meeting: October 14, 2015; Des Moines, IA

**Sacco J**. Evolution on steroids: Dogs and their susceptibility to disease. DUSCI Seminar, Sep 18, 2015.

**Stelter, N**. July 2015 “Health Coaching to Improve Adherence” McKesson ideaShare Conference, San Diego, CA

**Stelter, N**. May 2015 “Health Coaching to Improve Adherence” McKesson Health Mart Pharmacies CE Webinar (recorded)

**Wall, G**. May 2015 “New Biologic Agents for Psoriasis” Presented at the Academy of Managed Care Pharmacists Annual Meeting, San Diego, CA.

**Wall, G**. May 2015 “New Biologic Agents for Psoriasis”. Presented at the Annual Armada Specialty Faculty Conference, Las Vegas, NV

**Wall, G**. June 2015 “Gamechangers in Pharmacy: 2014” Presented at Mckesson IdeaShare Annual Meeting, San Diego, CA

**Wall, G**. October 2015 “Biologics and Psoriasis for the Specialty Pharmacist”. Presented at the National Society of Specialty Pharmacists Meeting, Washington DC

#### **PEER REVIEWED POSTERS: (35)**

**Andreski M**, Myers M, Pudlo A Baseline Description of Seven Pharmacies Involved in An Evaluation of a New Practice Model. Poster presented at the 162nd Annual Meeting of the American Pharmacists Association, San Diego, CA, March 27, 2015.

**Armstrong M, Gentry BG**, Busch M, Synthesis of Recombinant Human Cytomegalovirus Proteins. 12th Annual Drake University Conference on Undergraduate Research in the Sciences (2015).

**Armstrong M, Gentry BG**, Busch M, Synthesis of Recombinant Human Cytomegalovirus Proteins. 127th Annual Meeting of the Iowa Academy of Science (2015).

**Bottenberg MM, Mease C, Fornoff A, Mobley-Bukstein W, Stelter N, Bryant A**. A Blended Learning Immunization Activity Focused on Vaccine Administration Safety. Presented at the 2015 Annual AACP meeting in National Harbor, MD, July 2015.

Bzowycyk AS, Lindsay C, **Kassel LE**, Cochran KE, Stahnke A. Accepted Abstract/Poster Presentation: “Applying an Adapted Scoring Matrix to Evaluate Diabetes Topics across a Doctor of Pharmacy Didactic Curriculum.” AJPE 2015; 79(5):S4.

**Clark CL**, Sedlacek RK, Watson SB, **Domagalski BM**. Walking in their Shoes: Impact of a Poverty Simulation Exercise on Pharmacy Student Attitudes Toward Poverty. American Association of Colleges of Pharmacy Annual Meeting, Baltimore, Maryland, July 12, 2015.

**Dillon G, Drake T**, and **Huey KA**. Exercise Attenuates Age-Associated Reductions in Muscle Strength and Cardiorespiratory Fitness in Mice. Poster presented at Experimental Biology, March 28-April 1, 2015; Boston, MA

Dillon Krotz and **Abebe Mengesha**, Determining the formulation of Doxazosin Mesylate and Finasteride in a single dosage form. Poster presented at: FUTURE in Biomedicine(SM) Research Symposium, July 31, 2015, Iowa City, IA

Dillon Krotz and **Abebe Mengesha**, Development and validation of a reversed-phase HPLC method for simultaneous determination of doxazosin mesylate and finasteride in pharmaceutical dosage forms. Poster presented at: AAPS 2015 Annual Meeting and Exposition, Oct 25 - Oct 29, 2015, Orlando FL.

**Harrell, JW** et al. Hypoxic cerebral vasodilation in healthy and metabolic syndrome adults: distinct interactions between cyclooxygenase and reactive oxygen species signaling. Poster presented at Experimental Biology Conference, 2015; Boston, MA

**Huey, KA**, Drake, T, Dillon, G, and Lee, C. Muscular and Cardiorespiratory Adaptations to Treadmill Training with Aging are Blunted in Female Compared to Male Mice. Poster presentation at Cardiovascular, Renal and Metabolic Diseases: Physiology and Gender, November 17-20, 2015; Annapolis, MD.

**Huey, KA**, Lee, C, and Breen, EC. Effect of Myofiber VEGF Loss on Muscle Growth and Capillarity During Functional Overload in Mice. Poster presentation at American College of Sports Medicine, May 26-30, 2015; San Diego, CA

Japs K, Truong E. Survey of health care student volunteers on a medical service experience: a mixed methods study. Poster presented at Heartland Global Health Consortium Annual Meeting. October 14, 2015. Des Moines, Iowa. (Project with **Rovers, J**)

Kessinger H, **Johnson JF**, Parsa R et al. Prescribing patterns for canagliflozin (Invokana) in a specialty endocrinology group practice: Patient characteristics and outcomes. ACCP Global Clinical Pharmacy meeting. Presented as Research-In-Progress. San Francisco, CA. October 20, 2015.

Lundblad C, Brock J, **Percival KM**, Peterson N. "Pharmacist-Initiated Discontinuation of Empiric Vancomycin Therapy in Patients with Pneumonia." Resident Poster-ASHP Midyear Clinical Meeting, New Orleans, LA. December 2015

McLoughlin A, **Miesner AR**, and Lyons W. Educating medical residents through podcasts developed by PharmD students. Poster presented at: Iowa Academy of Family Physicians Clinical Education Conference; October 31, 2015; Altoona, IA.

Midhad Mrvoljak and **Abebe Mengesha**, Thermal characterization of blends of monoglycerides for triggerable local drug delivery systems. Poster presented at: 127th Annual Meeting of the Iowa Academy of Science (IAS), April 17 – 18, 2015, Iowa City, IA.

**Mulla, N**, Zaman, Rokon, Gala, Rikhav, Murnane, Kevin, D'Souza, Martin. Oxytocin Loaded Nanoparticles for Reversing Cocaine Induced Changes. Poster presented at the annual meeting of the American Association of Pharmaceutical Scientists (AAPS); Oct25-29, 2015; Orlando, Florida.

O'Brien MS, **Gentry BG**, DNA Polymerase Inhibitors Enhance the Anti-Viral Effect of Terminase Inhibitors when used in Combination against HCMV. 28th Annual International Conference on Antiviral Research (2015).

O'Brien MS, **Gentry BG**, DNA Polymerase Inhibitors Enhance the Anti-Viral Effect of Terminase Inhibitors when used in Combination against HCMV. 12th Annual Drake University Conference on Undergraduate Research in the Sciences (2015).

O'Brien MS, **Gentry BG**, DNA Polymerase Inhibitors Enhance the Anti-Viral Effect of Terminase Inhibitors when used in Combination against HCMV. 127th Annual Meeting of the Iowa Academy of Science (2015).

Ohman M, Skonieczny P, Ruplin A, **Sacco J**. DNA Sequencing and Genetic Polymorphism Discovery in the Canine Monoamine Oxidase A (MAOA) gene. Poster presented at the 2015 Des Moines University Research Symposium, Des Moines, IA, December 3rd, 2015.

Sauer HE, Nguyen M, **Gentry BG**, Biosynthesis of MBX-2168-Triphosphate in Herpes Virus-Infected Cells. 127th Annual Meeting of the Iowa Academy of Science (2015).

Sauer HE, Nguyen ML, Williams JD, Bowlin TL, Drach JC, **Gentry BG**, Biosynthesis of MBX-2168-Triphosphate in Herpes Virus-Infected Cells. 55th Annual Interscience Conference on Antimicrobial Agents and Chemotherapy (2015).

Sauer HE, Williams JD, Bowlin TL, Drach JC, **Gentry BG**, Biosynthesis of Methylene-cyclopropane Nucleoside Analog Triphosphates in HCMV-Infected Cells. 28th Annual International Conference on Antiviral Research (2015).

Schneider LR, **Kassel LE**. Accepted Student Abstract/Poster Presentation: "Evaluation of Safety and Efficacy of IV Acetaminophen in Post-Cardiothoracic Surgery Patients." Student Poster #2-144. American Society of Health-Systems Pharmacy. December 2015: New Orleans, LA.

Schreier DJ, Townsend LB, Drach JC, **Gentry BG**, Pyrrolopyrimidines are Immediate Early-Phase Inhibitors of Human Cytomegalovirus Replication. 55th Annual Interscience Conference on Antimicrobial Agents and Chemotherapy (2015).

Schreier DJ, Townsend LB, Drach JC, **Gentry BG**, Pyrrolopyrimidines are Immediate Early-Phase Inhibitors of Human Cytomegalovirus Replication. Des Moines University Research Symposium (2015).

**Shenoy P**, **Bottenberg MM**. Drug Information Teaching in the P1 Year. Presented at the 2015 Annual AACP meeting in National Harbor, MD, July 2015.

Stonewall HD, **Ulrich EE**. Novel Predictors of Hospital Length of Stay and Number of Hospitalizations in the Elderly Population. Des Moines University Research Symposium. Dec 2015. Des Moines, IA

Tallman G, Brock J, **Percival KM**. "Impact of a Rapid Molecular Diagnostic Test and Antimicrobial Stewardship on Time to Optimal Therapy in Bacteremic Patients." Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC). San Diego, CA. September 2015

Toral KJ, **Sacco JC** (2015). Identification and Sequencing of the GSTP1 gene and transcript(s) in dogs. Poster presented at the 11th Annual Drake University Conference on Undergraduate Research in the Sciences (DUCURS), Des Moines, IA, April 16th, 2015.

**Wall GC**, Ghosh N, Bhattacharya P, Galadari M, Jagow B. Perceived Continuing Educational and Professional Training Needs for Pharmacists in the United Arab Emirates: Results of Two Surveys." Presented at the Annual meeting of the American College of Clinical Pharmacy, San Francisco, CA October 2015

**Wrenn, C.C., Langreck, C, Lothspeich, S.** Does maternal genistein impair non-spatial hippocampal-dependent memory in adulthood? Society for Neuroscience, Annual Meeting, October, 2015.

**Zieminski JJ, Vollmer LE, Gentry BG,** Pharmacological Enhancement of Anti-Viral DNA Polymerase Inhibitors via Reduction of Endogenous Nucleoside Triphosphates. 28th Annual International Conference on Antiviral Research (2015).

#### **BOOKS CHAPTERS: (4)**

**Burkhardt, A.** (2015). Gastrointestinal, renal-genitourinary, endocrine and immunological systems disorders, in National Occupational Therapy OTA Certification Exam Review and Study Guide (5th edition), edited by RP Flemming Castaldi. International Educational Resources, Concord, MA.

**Grady SE.** Schizophrenia. In: American College of Clinical Pharmacy, Pharmacotherapy Self-Assessment Program. CNS/Pharmacy Practice, Book 2. Kansas City, MO: American College of Clinical Pharmacy. July 2015.

**Koenigsfeld CF, Eastman DK, Fornoff AS.** Headache. In: Sutton SS, ed. NAPLEX Review Guide. 2nd ed., McGraw-Hill, 2015.

**Stelter N, DiDonato K.** Health Coaching. In: CNS/Pharmacy Practice book of the ACCP Pharmacotherapy Self-Assessment Program (PSAP). ACCP; 2015.

#### **BOOKS: (1)**

**Johnson JF.** Diabetes Case Studies (with Interprofessional Perspectives). Electronic book for instructional use as part of APhA's PharmacyLibrary. <http://www.pharmacylibrary.com/cowles-proxy.drake.edu/caseStudies>. Published July, 2015.

#### **NON-PEER REVIEWED ARTICLES: (1)**

**Chesnut, R.** Designing and Implementing Curricular Tracks. American College of Clinical Pharmacy Academy Teaching and Learning Newsletter: Volume 8 (2015), Issue 1.

#### **NON-PEER REVIEWED COLUMNS: (8)**

Bell EA. Update on C. difficile infection - drug drugs to poop. Pharmacology Consult in: Infectious Diseases in Children 2015;28(1):5-6.

Bell EA. New antimicrobials - what took so long? Pharmacology Consult in: Infectious Diseases in Children 2015;28(3):8

Bell EA. Update on pediatric poisonings. Pharmacology Consult in: Infectious Diseases in Children 2015;28(5):9-10

Bell EA. Update on antimicrobial agents and drug-drug interactions. Pharmacology Consult in: Infectious Diseases in Children 2015;28(7):15

Bell EA. Drug use in pregnancy - new drug labeling requirements. Pharmacology Consult in: Infectious Diseases in Children 2015;28(9):6-7



Bell EA. New pharmacotherapies for treating cystic fibrosis. *Pharmacology Consult in: Infectious Diseases in Children* 2015;28(11):10-11 Additionally (consult perspectives)

Bell EA. Drug safety communication - FDA evaluating risks of using in children aged 17 and younger. *Infectious Diseases in Children* (online):September 2015

Bell EA. FDA approves ivacaftor (Kalydeco) for another mutation. *Infectious Diseases in Children* (online): January 2015

#### INVITED/NON-REVIEWED PODIUM PRESENTATIONS (24)

Abdelmageed A, Butler L, Jenkins A, **Haack S**, Marshall JL, Williams L. “Addressing Health Disparities Through Teaching, Service, and Scholarship: Best Practices In and Outside of the Classroom.” Health Disparities and Cultural Competence SIG Special Session at the AACP & AFPC Annual Meeting. National Harbor, Maryland. July 2015.

**Andreski, M** “A Demonstration Project to Study the Effects of Implementing Tech-Check-Tech Programs in the Community Practice to engage Community Pharmacists in Clinical Pharmacy Services in Iowa: Effects on Workplace Satisfaction” Presented to the NABP/AACP Region V District Meeting on August 8, 2015

Atkinson H, **Rovers J**. Are You Volunteering or Volountouring?: Your Mission and Motive(s). Workshop presentation at Herb and Karen Baum Symposium on Ethics and the Professions. Drake University, April 16, 2015. Des Moines, IA.

Begley KJ, **Bottenberg M**, Castillo S, Dunn BL, **Haack S**, Porter AL. “Strategies for Increasing Efficiency in the Laboratory Setting.” Lab Instructors SIG Special Session at the AACP & AFPC Annual Meeting. National Harbor, Maryland. July 2015.

**Bottenberg MM**, Ronnebaum J, Stumbo T, Bethards M, Feilmeier M. “Interprofessional Education (IPE): Implications for Healthcare Education.” Invited presentation at the Iowa Health Educators Association meeting, Des Moines, IA, June 2015.

**Caligiuri FJ**. “An Introduction to Medical Cannabis for Pharmacists.” Continuing Education presented October 2nd, 2015, UMKC Alumni Weekend, UMKC Health Sciences Building, Kansas City, Missouri. [Invited CE presentation]

**Caligiuri FJ**. “Medical Cannabis: The Scheduling Dilemma” Public forum held by Iowans for Medical Marijuana. Presented October 31st, 2015 in Mickle Center Community Room, Des Moines, Iowa. [Invited presentation]

**Caligiuri FJ**. “The Times They Area A-Changin’: An Introduction to Medical Cannabis.” Case Management Continuing Education presented October 9th, 2015, Sowing the Seeds of Case Management, Greater Des Moines Botanical Garden in Des Moines, Iowa. [Invited CE presentation]

**Caligiuri FJ**. Pain Management. Presented to Medical Residents at Orientation. Unity Point/IMMC. Des Moines, Iowa. June 2015.

Drake University Community Engagement: Choose to Make the Connection, Panel Speaker, Drake University Learning Symposium, West Des Moines, Iowa, August 21, 2015. Speakers: Sedlacek R, **Clarke C**, Lee E, Adams C

**Dy-Boarman, E.** Bridging the Gap: A Closer Look at Perioperative Anticoagulation Bridge Therapy in VTE Patients. Presented at: Login to Learn Journal Club for Pharmacists and Students, The Collaborative Education Institute (online). August 2015.

**Fornoff, A. Dy-Boarman, E, Bottenberg, M. Haack, S,** Marchand, C. Mitchell, C. “Technology Use in Assessment of Pharmacy Skills and Applications.” Drake Learning Symposium. Des Moines, IA. August 2015.

**Gutierrez C.** Excellence in academic advising and mentoring: Accelerate into health care with Health Sciences at Drake. Presented as part of the Excellence in Academic Advising Series with CPHS at Drake University. Des Moines, IA. November 2015.

**Koenigsfeld, C.** APhA Cardiovascular Certificate Program, one of two speakers for 10 hour program-Quantity 2 programs delivered

**Koenigsfeld, C.** APhA Diabetes Certificate Program, one of two speakers for a 10 hour program-Quantity 4 programs delivered

**Koenigsfeld, C.** APhA Immunization Certificate Program, one of two speakers for a 10 hour program-Quantity 1 program delivered

**Mengesha, A.** Triggerable lipid-based local delivery of chemotherapy: Smart medical system. Invited speaker at Iowa Microscopy Society, Fall Meeting; Oct. 16, 2015; Iowa City, IA.

**Mulla N,** Novel Particulate vaccine delivery systems, Presented at University of Iowa, January 15th 2016.

**Mulla N,** Ouch- free vaccines- Designing the next generation of vaccine delivery techniques, Presented at Drake University on November 11th 2015.

**Percival KM.** “Antibiotic Review.” Internal Medicine Noon Conference Series. Mercy Medical Center, Des Moines, IA. August 2015

**Rovers J.** Medicines, metaphors, meanings & cultures. Guest faculty presentation at Global Health Learning Collaborative. Des Moines, University, September 10, 2015. Des Moines, IA.

**Ulrich EE,** Funk A. Preparing for the MPJE, Invited Speaker at Iowa Pharmacy Expo, Feb 2015: Des Moines, IA

**Ulrich EE.** Introduction to Health Service Research, Invited Speaker at Pharmacy and Health Sciences Day, May 2015: Des Moines, IA

Vogt B, Memmott J, Giger J, **Gutierrez C.** Assessing the impact of lay patient advocate training in tribal communities. Presented at CRCAIH Pilot Grant Program Seminar Series. Sioux Falls, SD. February 2015.

#### **INVITED/NON-REVIEWED POSTER PRESENTATIONS (9)**

**Amick, A.J., Langreck, C.B., Lothspeich, S.A., LeBlanc, H.R., Wrenn, C.C.** Does maternal genistein affect performance in hippocampal non-spatial memory tasks? Des Moines University Research Symposium, December 2015.

**Chesnut R, C. Phillips, W. Duncan.** Standards 2016: Intentional Student Professional and Leadership Development in the Co-Curriculum. American Association of Colleges of Pharmacy Annual Meeting, 2015, Washington DC. (college poster).

Drake Ty, Gabrielle Dillon, and Kimberly Huey (Mentor). Prescribed and Voluntary Exercise Attenuate Age-Associated Reductions in Muscle Strength and Cardiorespiratory Fitness in Mice. Drake Undergraduate Research Symposium, April 2015.

Duwe B and Kimberly Huey (Mentor). Effects of a Pre-Exercise Supplement on Anaerobic Power and Blood Lactate Levels in Males and Females. Drake Undergraduate Research Symposium, April 2015.

Kessinger H. and Abebe Mengesha, Influence of moisture on the thermal behavior of binary mixtures of monoglycerides for thermoresponsive drug delivery systems. Poster presented at: 12th Annual Drake University Conference on Undergraduate Research in the Sciences (DUCURS), April 16, 2015; Des Moines, IA.

Langreck, C., Lothspeich, S., Wrenn C.C. Does maternal genistein impair non-spatial hippocampal-dependent memory in adulthood? DUCURS, April, 2015.

**Miesner AR** and Schrieber A. Periprocedural antithrombotic practices among Iowa dental professionals: A survey and educational intervention. Poster presented at: Iowa Pharmacy Association Annual Meeting; June 12, 2015; Coralville, IA.

Mrvoljak M and Abebe Mengesha, Thermal characterization of blends of monoglycerides for triggerable local drug delivery systems. Poster presented at: 12th Annual Drake University Conference on Undergraduate Research in the Sciences (DUCURS), April 16, 2015; Des Moines, IA.

Zhang Di, R. Torry and R. Beemer. Muscle activity and wrist movement during piano performance. Presented at Conference on Undergraduate Research in the Sciences (DUCURS), Drake University, April 16, 2015.

#### **TECHNICAL OR CONSULTANT REPORTS: (10)**

**Andreski, M**, “A Revised Pharmacy Pilot or Demonstration Research Project for a New Practice Model for Community Pharmacy: A Demonstration Project to Study the Effects of Implementing Tech-Check-Tech Programs in Community Practice to Engage Community Pharmacists in Clinical Pharmacy Services in Iowa” Phase I Quarterly Report. Presented to Iowa Board of Pharmacy on November 3, 2015. Sponsored by Iowa Pharmacy Association.

**Andreski, M**, “A Revised Pharmacy Pilot or Demonstration Research Project for a New Practice Model for Community Pharmacy: A Demonstration Project to Study the Effects of Implementing Tech-Check-Tech Programs in Community Practice to Engage Community Pharmacists in Clinical Pharmacy Services in Iowa” Phase I Quarterly Report. Presented to Iowa Board of Pharmacy on June 25, 2015. Sponsored by Iowa Pharmacy Association.

**Andreski, M**, “A Revised Pharmacy Pilot or Demonstration Research Project for a New Practice Model for Community Pharmacy: A Demonstration Project to Study the Effects of Implementing Tech-Check-Tech Programs in Community Practice to Engage Community Pharmacists in Clinical Pharmacy Services in Iowa” Phase II Quarterly Report. Presented to Iowa Board of Pharmacy on April 19, 2015. Sponsored by Iowa Pharmacy Association.

**Andreski, M**, “A Revised Pharmacy Pilot or Demonstration Research Project for a New Practice Model for Community Pharmacy: A Demonstration Project to Study the Effects of Implementing Tech-Check-Tech Programs in Community Practice to Engage Community Pharmacists in Clinical Pharmacy Services in Iowa” Phase I Quarterly Report. Presented to Iowa Board of Pharmacy on March 11, 2015. Sponsored by Iowa Pharmacy Association.

**Andreski, M**, “A Revised Pharmacy Pilot or Demonstration Research Project for a New Practice Model for Community Pharmacy: A Demonstration Project to Study the Effects of Implementing Tech-Check-Tech Programs in Community Practice to Engage Community Pharmacists in Clinical Pharmacy Services in Iowa” Special Interim Report. Presented to Iowa Board of Pharmacy on January 5, 2015. Sponsored by Iowa Pharmacy Association.

**Andreski, M**, “Identifying Pharmacy Service Opportunities” at Iowa New Practice Model Phase I Pharmacy Meeting. IPA on Jan 20, 2015

**Andreski, M**, “Pharmacy Workplace Reengineering” on Iowa New Practice Model Phase I Pharmacy Webinar on Jan 7, 2015.

**Mobley-Bukstein, W**; Medication Therapy Management Primer for the Pharmacy Technician. TEAM Continuing Education Monograph for the Collaborative Education Institute, December 2015.

**Ulrich EE**. Flipping a Pharmacy Law Class, Invited Online Lecture for South Carolina College of Pharmacy Curriculum Taskforce, Feb 2015

Yetman R, Ancona R, **Bell E**, et al. The burdens of head lice infestations on the child, the family, the school, and the community. Roundtable Proceedings, July 2015 (sponsored by Sanofi Pasteur, Inc.)

RESEARCH GRANTS AND CONTRACTS: (19 NEW)

*Extramural (7)*

Title: “A New Practice Model for Community Pharmacy-A Demonstration Project to Study the Effects of Implementing Tech-Check-Tech Programs in Community Practice to Engage Community Pharmacists in Clinical Pharmacy Services in Iowa”

Start Dates/Completion: 2015-2016

Sponsor: Telligen Community Initiative

Direct Costs: \$ 26,500 allocation to perform Funding to supplement NACDS funding.

Role: **Andreski, M.** Primary Investigator

Title: “Assessment of Readiness of Iowa Pharmacies to Provide ACA Supported Patient Care Initiatives”

Sponsor: Iowa Department of Public Health Co-investigator with Iowa Pharmacy Foundation

Start Dates: 2015

Direct Costs: \$2,000

Role: **Andreski, M.** Co-investigator

Title: **Next Top Entrepreneur Competition**

Sponsor: Target

Start Date/Completion (2015 for Feb. 2016)

Direct Costs - \$3,000

Role: **Chesnut R.** PI

Title: **Impact of sedentary time accumulation of cerebrovascular reactivity**

Sponsor: NASA Iowa Space Grant Consortium

Start Dates/End dates: 10/01/2015 - 5/31/2016

Direct Costs: \$10,000

Role: **Harrel, J.** Principal Investigator

Title: **Prescribing patterns for canagliflozin (Invokana) in a specialty endocrinology group practice: Patient characteristics and outcomes.**

Sponsor: Janssen Pharmaceuticals, Health Economics and Outcomes Research Division.

Start Date: July 1, 2015

Direct Costs: \$31,200.

Role: **Johnson, JF.** Principal Investigator.

Title: **Centralized Medication Management Across the Care Continuum**

Sponsor: National Association of Chain Drug Stores (NACDS) Foundation

Start date/completion date: 6-1-2015 to 5-31- 2016

Direct Costs: \$20,000

Role: **Kjos, A.** Principle Investigator , **Maki, E.** Co-investigator

**Title: Visiting Fellow, 2015 FUTURE in BiomedicineSM Program. The University of Iowa, Carver College of Medicine**

Sponsor: FUTURE in Biomedicine(SM) Program

Start date/completion date: May 27, 2015 – July 31, 2015

Direct cost: \$1,000.00

Role: **Mengesha, A.** Principle Investigator

***Intramural: (12)***

**Title: Proposal to fund Certified Culinary Medicine Specialist (CCMS) coursework and curriculum to expand IPE efforts.**

Sponsor: Jorndt Grant Support

Start Date: June 2015 to June 2016

Direct Costs: \$4000 for certification and 1 year of curriculum content

Role: **Caligiuri F.** Principle Investigator - Professional Development;

**Title: Walking in their Shoes: Impact of a Poverty Simulation Exercise on Pharmacy Student Attitudes Toward Poverty**

Sponsor: Harris Research Endowment, College of Pharmacy and Health Sciences

Start date/completion date: June 2015 – July 2015

Direct Costs: \$600

Role: **Clarke, C.** Principal investigator with Sedlacek RK, Watson SB, Domagalski BM

**Title: Elder Concerns Calendars**

Sponsor: Drake University Service-Learning Mini-Grant

Start date/completion date: November 2015 – present

Direct Costs: \$300

Role: **Clarke, C.** Faculty Investigator with Student Investigator Banks B

**Title: Assessing, Collaborating, and Empowering to Improve Water Quality in Rural Uganda**

Sponsor: Nelson Institute Global Pressing Issues Grant, Drake University

Award Date: December 2015 / Start Date/Completion Date: January 2016-December 2017

Direct Costs: \$30,000

Role: **Gutierrez, C.** Principal Investigator

**Title: Impact of physical activity accumulation on cerebrovascular function**

Sponsor: Drake University Research Grant

Start Dates/End dates: 07/01/2015 - 06/30/2016

Direct Costs: \$3,000

Role: **Harrell, J** Principal Investigator

**Title: Institute for Teaching and Learning**

Sponsor: Drake Faculty Development Grant

Start Dates: November 2015-June 2016

Direct Costs: \$1500

Role: **Huey, K.** Principal investigator

**Title: Institute for Teaching and Learning**

Sponsor: Drake Jordnt Grant

Start Dates/Completion: November 2015-June 2016

Direct Costs: \$500

Role: **Huey, K.** Principal investigator

**Title: Developing a Social Support Index for Older Americans' Health Outcomes**

Sponsor: Drake University Research Grant Program

Start date/completion date:7-1-2015 to 6-30-2016

Direct Costs: \$3,000

Role: **Kjos, A., Ulrich, E.** Co-investigator

**Title: "Effects of Antipsychotics on DNA methylation".**

Sponsor: Harris Research Endowment, College of Pharmacy & Health Sciences

Start Dates/Completion dates: Sept. 2015- Aug. 2016

Direct Costs: \$10,930

Role: **Mahajan, P. , Grady, S.** Co-PI

**Title: Funding to attend and present poster at the 2015 AAPS Annual Scientific Conference and Exposition**

Sponsor: Jorndt Faculty Development Award

Start date/completion date: October 2015

Direct cost: \$1,000.00

Role: **Mengsha, A.** Principle Investigator

**Title: Discovery of genetic risk factors for aggression in dogs**

Sponsor: Drake Research Grant

Dates: 7-1-2015 to 5-30-16

Direct Costs: \$2,945

Role: **Sacco, J.** Principal Investigator

**Title: Discovery of genetic risk factors for aggression in dogs**

Sponsor: Harris Research Endowment

Start Dates: 12-11-15 to 5-30-16

Direct Costs: \$1,652

Role: **Sacco, J.** Principal Investigator

### UNDERGRADUATE RESEARCH PROJECTS: (37)

Amber Amick (HSCI)

**Mentor: Craig Wrenn**

Effects of maternal genistein on non-spatial hippocampal memory

Product: DUCURS poster, poster at the annual meeting of the Society for Neuroscience, poster at DMU

Jason Babcock (PharmD),

**Mentor: Abebe Mengesha**

Development and stability studies of doxazosin and finasteride combination compounded capsules.

Danielle Buettner, HSCI

**Mentor: Kim Huey**

Effects of Different Exercise Programs on Muscle Strength and Balance

Plans to present at DUCURS 2016

Gabrielle Dillon, HSCI

**Mentor: Kim Huey**

Prescribed and Voluntary Exercise Attenuate Age-Associated Reductions in Muscle Strength and Cardiorespiratory Fitness in Mice.

Experimental Biology (March 2015), DUCURS (April 2015)

Ty Drake, PharmD

**Mentor: Kim Huey**

Prescribed and Voluntary Exercise Attenuate Age-Associated Reductions in Muscle Strength and Cardiorespiratory Fitness in Mice.

Experimental Biology (March 2015), DUCURS (April 2015)

Brad Duwe, HSCI

**Mentor: Kim Huey**

Effects of a Pre-Exercise Supplement on Anaerobic Power and Blood Lactate Levels in Males and Females

DUCURS poster (April 2015)

Andie Fothergill, Health Sciences at USD & Nate Warwick, Health Sciences at USD

**Mentor: Cassity Gutierrez**

Female Genital Mutilation in Tanzania: A Policy Brief with Prevention Strategies

Products: Poster Presentation at USD IdeaFest (April 2015)

J. Taylor Gartshore, Health Sciences

**Mentor: John Harrell**

Senior Capstone Student

No products, yet.

Amanda Hoerres (PharmD) and Jeannine Marie Malinao (HS-C)

Research Mentor: **Mentor: Abebe Mengesha and Dr. Pramod Mahajan**

Evaluation of the cytotoxicity of oleic acid-modified iron oxide (OA-Fe<sub>3</sub>O<sub>4</sub>) nanoparticles using in vitro assays on HTB-19 mammary carcinoma cells. (, Co-PI).

Kelsey Japs (P3) and Erica Truong (P3)

**Mentor: John Rovers**

Survey of health care student volunteers on a medical service experience: a mixed methods study



Products: Poster presentation October 2015 at Heartland Global Health Consortium AND manuscript submitted to Journal of Studies in International Education

Kelsey Japs (PharmD)

**Mentor: Andrea Kjos**

“Developing a Social Support Index for Older Americans’ Healthcare Utilization”

Product: Abstract Accepted to the International Social Pharmacy Workshop (to be in Aug 2016)

Tess Johnson, Health Sciences at USD, Brant Riley Haase, Health Sciences at USD, Kasha Meyer, Health Sciences at USD

**Mentor: Cassity Gutierrez**

Issues in Public Health: United States Measles Outbreak and Immunization Concerns

Poster Presentation at USD IdeaFest (April 2015)

Vaibhav Kadakia (PharmD)

**Mentor: Erin Ulrich**

Quantifying the relationship between length of time of diabetic treatment and medication beliefs in older Americans.

Manuscript submitted to Innovations in Pharmacy in Jan 2016.

Dillon Krotz (JR, AS)

**Mentor: Abebe Mengesha**

Simultaneous determination of doxazosin mesylate and finasteride by RP-HPLC,

2015 DUSCI summer fellowship; AAPS 2015 Annual Meeting and Exposition poster (Oct. 2015);

FUTURE in Biomedicine(SM) Research Symposium poster (July, 2015).

Cory Langreck (HSCI)

**Mentor: Craige Wrenn**

Effects of maternal genistein on socially transmitted olfactory memory

Product: DUCURS poster, poster at the annual meeting of the Society for Neuroscience, poster at DMU Research Symposium

Emily Larsen, HSCI

**Mentor: Kim Huey**

Effects of Different Exercise Programs on Muscle Strength and Balance

Plans to present at DUCURS 2016 and ACSM 2016

Hayley LeBlanc (Neuroscience)

**Mentor: Craige Wrenn**

Effects of maternal genistein on non-spatial hippocampal memory

Product: DUCURS poster, poster at the annual meeting of the Society for Neuroscience, poster at DMU

Sarah Lothspeich (Pre-Pharm)

**Mentor: Craige Wrenn**

Effects of maternal genistein on non-spatial hippocampal memory

Product: DUCURS poster, poster at the annual meeting of the Society for Neuroscience, poster at DMU Research Symposium

Xinjian (Jeff) Lu (HSCI)

**Mentor: Bob Soltis**

Educating college students on health related issues.

Issues in HSCI Poster Session (April 2015)

Research Symposium

Wesley Lyons, BS-Health Sciences

**Mentor: Andrew Miesner**

Educating Medical Residents through Podcasts Created by PharmD Students

HS Capstone poster session (May 2015); Iowa Academy of Family Practice poster session (October 2015); pending manuscript

Michelle Mages (PharmD)

**Mentor: Andrea Kjos**

“Developing an Academic Community Partnership: Addressing Asthma Disparities in Young Children”

Product: Grant submission experience

Scott Morrett, Zachary Pape (PharmD)

**Mentor: Erin Ulrich**

The Potential Impacts of “Provider Status” in Iowa: Perceived Changes in Provision of Clinical Services and Barriers to Implementation.

Product: Manuscript submitted to Journal of the Iowa Pharmacy Association in Jan 2016.

Midhad Mrvoljak (HS-C)

**Mentor: Abebe Mengesha**

Effect of Temperature on Glyceryl Monooleate and Glyceryl Monostearate.

127th Annual Meeting of the Iowa Academy of Science, IAS poster (April, 2015); DUCURS poster (April, 2015).

Molly Obermark (P3)

**Mentor: Ginelle Bryant**

Retrospective Evaluation of ASCVD Risk and Statin Therapy Need in Non-Diabetic patients based on the 2013 ACC/AHA Cholesterol Guidelines.

Product(s): Manuscript submitted to J Pharm Pract in August 2015

Michael Ohman, (PharmD)

**Mentor: James Sacco**

Discovery of novel genetic variants in the canine MAOA gene promoter

DMU Research Conference poster (Dec 2015)

Tessa Raml, Health Sciences at USD, Samra Eiler, Health Sciences at USD, Emilee Dannen, Health Sciences at USD, Steven Afryl, Health Sciences at USD, Whitley Falor, Health Sciences at USD, Amanda Nelson, Health Sciences at USD, Lindsey Montileaux, Biomedical Sciences at USD, Cynthia Granum, Health Sciences at USD

**Mentor: Cassity Gutierrez**

Skin Cancer Awareness Revolution (SCAR): An Implementation of a Public Health Promotion Project at USD

Product: Podium Panel Presentation at USD IdeaFest (April 2015)

Caitlin Robertson (P4)

**Mentor: John Rovers**

A drug procurement, storage and distribution model in public hospitals in a developing country

Product: Published article in RSAP

Natalie Roy (PharmD)

**Mentor: Erin Ulrich**

Quantifying the relationship between patient characteristics and involvement in developing and implementation of a treatment plan.

Product: Manuscripts submitted to Journal of Research in Social and Administrative Pharmacy in Jan 2016

Eric Rupe, Health Sciences at the University of South Dakota & Cody Reed, Sociology at USD

**Mentor: Cassity Gutierrez**

Hands-only CPR: Assessing the impact of mini-training sessions to increase the knowledge and confidence of college students to administer care

Products: Podium Presentation at USD School of Health Sciences Annual Research Conference (April 2015); Poster Presentation at USD IdeaFest (April 2015)

Andrew Ruplin, (PharmD)

**Mentor: James Sacco**

Expression of Glutathione-S-transferases in different canine tissues

Discovery of novel genetic variants in the canine MAOA gene promoter

EXPECTED: Iowa Academy of Sciences poster (April 2016)

Anna Shapiro<sup>1</sup>, Rachel Shapiro<sup>1</sup>, Faith Wilson<sup>1</sup>, Amy Patel<sup>1</sup>, Emilie Hulse<sup>1</sup>, Connor Littlefield<sup>1</sup>, Maddie Green<sup>1</sup>, Paul Akpan<sup>1</sup>, Holly Showalter<sup>1</sup>, Ph.D., (1Waukee APEX, Waukee High School)

**Mentor: Pramod Mahajan<sup>2</sup>, Ph.D.**

Teen Tanning Study: Waukee High School Students' Understanding of the Benefits and Hazards of Tanning Practices

Product: Moines, IA (Poster presented at the Des Moines University Research Symposium on December 3, 2015.

Paul Skonieczny, Health Sciences

**Mentor: James Sacco**

Discovery of novel genetic variants in the canine MAOA gene

EXPECTED: DUCURS poster (April 2016)

Annie Stella (PharmD)

**Mentor: Andrea Kjos**

“Developing an Academic Community Partnership: Addressing Asthma Disparities in Young Children”

Product: Grant submission experience

HSCI Senior Capstone Project

Hannah Stonewall (PharmD)

**Mentor: Erin Ulrich**

Quantifying Predictors of Hospitalization and Length of Stay Utilizing the Nationally-representative Health and Retirement Study.

Products: DMU Poster presentation, Manuscript submitted to Journal of American Gerontology Society in Jan 2016.

Keller Toral, Health Sciences

**Mentor: James Sacco**

Amplification and Sequencing of canine GST-P gene and transcript(s)

Isolation and sequencing of ovine SULT1E1 mRNA

DUCURS poster (April 2015)

Research Symposium

Eric Williams, BS-Health Sciences

**Mentor: Andrew Miesner**

Pimping in Pharmacy Education: A Survey on a Teaching-By-Questioning Method  
pending

Di Zhang, (HSCI)

**Mentor: R. Torry and R. Beemer**

Muscle activity and wrist movement during piano performance.

Product: Poster at Conference on Undergraduate Research in the Sciences (DUCURS), Drake University,  
April 16, 2015.

#### **JOURNAL REVIEWING ACTIVITIES:**

American Journal of Health-Systems Pharmacy, **M. Andreski**

American Journal of Pharmaceutical Education, **J. Johnson, M. Bottenberg, C. Phillips, B. Soltis**

American Journal of Physiology: Endocrinology and Metabolism, **K. Huey**

Annals of Allergy, Asthma, and Immunology, **G. Wall**

Annals of Pharmacotherapy, **G. Wall, M. Bottenberg, E. Bell**

Antibiotics, **G. Wall**

Cell Biochemistry and Biophysics, **P. Mahajan**

Clinical and Experimental Allergy, **G. Wall**

Currents in Pharmacy Teaching and Learning, **J. Johnson, F. Caligiuri, S. Grady, M. Bottenberg, C. Phillips, B. Soltis**

Eastern Mediterranean Health Journal, **J. Rovers**

Endocrinologic and Rheumatologic Care, **W. Mobley-Bukstein**

Expert Opinion on Drug Safety, **G. Bryant**

Frontiers in Physiology, **K. Huey**

Future Medicine: Pharmacogenomics, **P. Mahajan**

International Journal of Pharmacy Practice, **G. Wall**

Journal of Applied Physiology, **K. Huey**

Journal of Cellular Biochemistry, **P. Mahajan**

Journal of Health Care for the Poor and Underserved, **S. Haack**

Journal of Inflammation, **P. Mahajan**

Journal of Pediatric Pharmacology and Therapeutics, **E. Bell**

Journal of Pharmaceutical Sciences, **A. Mengesha**

Journal of Pharmacy Practice, **K. Percival, N. Lehman**

Journal of Pharmacy Teaching, **R. Chesnut**

Journal of the American Pharmacists Association, **C. Koenigsfeld, J. Rovers, A. Kjos**

Journal of the Iowa Pharmacy Association, **M. Bottenberg**

Journal of the Scholarship of Teaching and Learning, **E. Dy-Boarman**

LifeSci Teaching Resource Center, **K. Huey**

Medicine and Science in Sports and Exercise, **J. Harrell**

Muscle Nerve, **K. Huey**

Pharmacotherapy, **G. Wall, E. Bell**  
Physical Therapy and Occupational Therapy in Gerontology, **A. Burkhardt**  
Physiology and Behavior, **K. Huey**  
PLOS ONE, **J. Sacco**  
Research in Social and Administrative Pharmacy, **E. Ulrich**  
US Pharmacist, **L. Kassel**

**REVIEWERS FOR PODIUM or POSTER SESSIONS:**

ASCP 2015 Annual Meeting, Posters, **K. Meyer**  
AAPS 2015 Annual Meeting and Exposition, **A. Mengesha, P. Mahajan**  
American Pharmacists Association, APRS-ESAS section, **A. Kjos**  
American Pharmacists Association, APPM Poster submissions, 2015, **C. Clarke**  
Central States Chapter of the Society of Toxicology Annual Meeting, Posters, **J. Sacco**  
CPHS Health Sciences Capstone Research presentations, Posters **K. Percival, R. Torry**  
CPHS Student Leadership Development Series Posters, **C. Phillips**  
Des Moines University Research Conference, Posters, **J. Sacco**  
Des Moines University Research Symposium, Graduate/Post-Doc competition, **R. Torry**  
DUCURS, Posters, **J. Sacco, K. Huey**  
University of South Dakota School of Health Sciences Annual Research Day. Posters, **C. Gutierrez**  
University of South Dakota School of Health Sciences Annual Research Day, Podiums, **C. Gutierrez**

**REVIEWERS FOR GRANTS/AWARDS:**

AACP New Investigator Award Application Reviewer 2015-2016, **G. Bryant, A. Mengesha**  
APhA Foundation Incentive Grant Program, 2015, **C. Clarke**  
University of South Dakota, School of Health Sciences Seed Grant, **C. Gutierrez**  
Health Sciences panel of the National Research Foundation, Republic of South Africa, **P. Mahajan**

**CURRENT PROFESSIONAL MEMBERSHIPS:**

Academy of Managed Care Pharmacy (AMCP)  
American Association for Advancement of Science (AAAS)  
American Association of Colleges of Pharmacy (AACCP)  
American Association of Diabetes Educators (AADE)  
American Association of Pharmaceutical Scientists (AAPS)  
American Chemical Society  
American College Clinical Pharmacy (ACCP)  
American College of Sports Medicine  
American Diabetes Association (ADA)  
American Heart Association  
American Institute of the History of Pharmacy  
American Occupational Therapy Association (AOTA)  
American Pharmacists Association (APhA)  
American Physiological Society (APS)  
American Society for Microbiology  
American Society for Pharmacology & Experimental Therapeutics

American Society of Biochemistry & Molecular Biology (ASBMB)  
American Society of Health Systems Pharmacy (ASHP)  
American Society of Microbiology  
American Society of Pharmacology and Experimental Therapeutics  
College of Psychiatric and Neurologic Pharmacists (CPNP)  
Council on Basic Cardiovascular Science  
Des Moines Young Professionals Connection  
Ethiopian Pharmaceutical Association (EPA)  
German Pharmaceutical Society (DPhG)  
International Pharmaceutical Federation (FIP)  
International Society for Animal Genetics (ISAG)  
International Society for Antiviral Research  
International Society for the Study of Xenobiotics (ISSX)  
Iowa Academy of Science (IAS)  
Iowa Occupational Therapy Association (IOTA)  
Iowa Pharmacy Association (IPA)  
Iowa Physiological Society  
Iowa Public Health Association  
Iowa Rural Health Association  
Kappa Psi  
Lambda Kappa Sigma  
Mensa Membership  
National Association of Professional Women  
Nebraska Occupational Therapy Association  
NY State Occupational Therapy Association  
Pediatric Pharmacy Advocacy Group  
Phi Delta Chi  
Phi Lambda Sigma  
Rho Chi  
Society for Neuroscience  
Society of Cannabis Clinicians  
Society of Critical Care Medicine (SCCM)  
Society of Infectious Diseases Pharmacists  
Society of Public Health Education (SOPHE)  
Society of Toxicology (SOT)  
Team Based Learning Collaborative  
World Federation of Occupational Therapy