

March 30, 2017

Dear Colleagues:

The Drake College of Pharmacy and Health Sciences would like to provide you with a summary of its scholarly activities for *CY 2016*. Highlights of the attached report include:

- 22 PEER-REVIEWED ARTICLES
- 20 PEER-REVIEWED PODIUM PRESENTATIONS
- 34 PEER-REVIEWED POSTERS
- 8 INVITED ARTICLES/COLUMNS
- 34 INVITED PODIUM PRESENTATIONS
- 15 INVITED POSTERS
- 4 BOOK CHAPTERS
- 60 UNDERGRADUATE/PROFESSIONAL STUDENT RESEARCH PROJECTS
- 19 NEW GRANTS/CONTRACTS TOTALING **\$92,304 ***

*Does not include multi-year funding with start dates prior to 2016.

This report does not include the many local, regional and national service accomplishments, practice advancements, or instructional work of the faculty. Yet of note, the faculty engaged in over 300,000 student contact hours in CY 2016.

Regards,
Charles R. Phillips
Associate Dean for Curriculum and Assessment

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

CPHS SCHOLARSHIP SUMMARY

CALENDAR YEAR 2016

(COMPLETED WORK)

PEER REVIEWED ARTICLES: (22¹)

Balakrishnan G, Landeen C, **Dy-Boorman EA**, **Wall GC**. Outcomes and Cost Associated with a Multiplex PCR System on Nasopharyngeal Swab Specimens (FilmArray Respiratory Panel) in a Large Tertiary Inpatient Hospital Population. *Journal of American Hospital Medicine*. 2016;8(3).

Clifford KM, **Dy-Boorman EA**, Haase KK, Maxvill KH, Pass S, Alvarez CA. Challenges with Diagnosing and Managing Sepsis in Older Adults. *Expert Rev Anti Infect Ther*. 2016;14(2):231-241

Boyle C., **Chesnut R.**, Hogue M., Zgarrick D. (2016). The Influence of Interim Deans: More Than Keeping the Ship Afloat and Warming the Captain's Seat. *American Journal of Pharmaceutical Education*: Volume 80, Issue 7, Article 112.

Buege M, Bushman A, Best L, **Wall GC**. Implantable cardioverter defibrillator pocket infection caused by *Stenotrophomonas maltophilia*. *Int J Case Rep Images* 2016;7(9):579-582..

Hagan AE, Farrington, CA, **Wall GC**, Belz MM. Sodium polystyrene sulfonate for the treatment of acute hyperkalemia: a retrospective study. *Clin Nephrol*. 2016;85:38-43.

Chen H, Li C, Zemlicka J, **Gentry BG**, Bowlin TL, Coen DM. Potency and Stereoselectivity of Cyclopropavir Triphosphate Action on Human Cytomegalovirus DNA Polymerase. *Antimicrobial Agents and Chemotherapy* 60(7): 4176-4182 (2016).

Clarke C, Sedlacek R, Watson S. Impact of a Poverty Simulation Exercise on Pharmacy Student Attitude Toward Poverty. *American Journal of Pharmaceutical Education*. 2016; 80 (2) Article 21.

Fischbach, J. & Vermaas, J. (2016). More than meets the eye: Children labeled as blind may instead have CVI and occupational therapy can help. *Advance for Occupational Therapy Practitioners*, 32(8), 16-18.

Gutierrez, C., & Wolff, B. (2016). Using photovoice with undergraduate interprofessional health sciences students to facilitate understanding of and dialogue about health disparities within communities. *Pedagogy in Health Promotion: The Scholarship of Teaching and Learning*. doi:10.1177/2373379915627670

Huey, K.A., S.A. Smith, A. Sulaeman, and E.C. Breen (2016). Skeletal myofiber VEGF is necessary for myogenic and contractile adaptations to functional overload of the plantaris in adult mice. *J. Appl. Physiol*, 120:188-195.

Johnson JF, Parsa R, Bailey B. Real world clinical outcomes and patient characteristics for canagliflozin treated patients in a specialty diabetes clinic. *Curr Med Res Opinion*. Published author version on Taylor & Francis Online September 19, 2016. Published online October 5, 2016. Print version Volume 33, Issue 1, 2017.

¹ Student co-authors are underlined

Kjos, AL, Binh, NT Caitlin Robertson, **Rovers J**. A Drug Procurement, Storage and Distribution Model in Public Hospitals in a Developing Country. *Research in Social and Administrative Pharmacy*. 2016; 12(3):371-383. (doi: 10.1016/j.sapharm.2015.07.007.)

Koenigsfeld C, Saylor M, Smith H, **Meyer K**, **Lehman N**, Logemann C, **Bottenberg M**, **Bryant G**, **Obermark M**. Retrospective Evaluation of ASCVD Risk and Statin Therapy Need in Non-Diabetic patients based on the 2013 ACC/AHA Cholesterol Guidelines. *Journal of Pharmacy Practice*, 3/29/16.

Krotz, D. and **Mengesha, A.E.**, Development and validation of a reversed-phase HPLC method for simultaneous determination of doxazosin mesylate and finasteride. *Acta Chromatographica*. DOI: 10.1556/1326.2017.29.3.01.

<http://www.akademai.com/doi/pdf/10.1556/1326.2017.29.3.01>. Accessed Jan. 25, 2017.

Mahajan PB. Recent Advances in Application of Pharmacogenomics for Biotherapeutics. *AAPS J*. 2016 May;18(3):605-11. doi: 10.1208/s12248-016-9903-4.

Miesner AR, Ausman M, Dagraedt B, and Zieminski J. Probable interaction between everolimus and clarithromycin. *Ann Pharmacother*. 2016;50(8):689-90.

Mobley-Bukstein W, **Ulrich EE**, Tenhouse A. Quantifying the relationship between medication management and patient interest in MTM service. *Journal of Pharmaceutical Health Services Research* July 2016; 7(4): 263-268.

<http://onlinelibrary.wiley.com/doi/10.1111/jphs.12150/abstract>. Accessed January 31, 2017.

Morrett S, **Ulrich E**, Pape Z. The potential impacts of "Provider Status" in Iowa: Perceived changes in provision of clinical services and barriers to implementation. *Journal of the Iowa Pharmacy Association*. May 2016; 62 (2):28-33.

https://issuu.com/iowapharmacyassociation/docs/2016q2_journal_web. Accessed January 30, 2017.

Percival KM, Brock JT, Peterson ND. Delivery of Antifungal Agents from Bone Cement. *Curr Fungal Infect Rep*. 2016; 10:30-36. DOI: 10.1007/s12281-016-0251-8

Privitera MD, **Welty TE**, Gidal BE, Diaz FJ, Krebill R, Szarflarski JP, Dworetzky BA, Pollard JR, Eller EJ, Jiang W, Jiang X, Berg M. Generic-to-generic lamotrigine switches in people with epilepsy: a randomized, controlled trial. *Lancet Neurol*. 2016;15(4):365-72.

Rovers J, Japs K, Truong E, Shah Y. Motivations, Barriers and Ethical Understandings of Healthcare Student Volunteers on a Medical Service Trip: A Mixed Methods Study. *BMC Medical Education* 2016;16:94[online].

Sacco J, Ruplin A, Skonieczny P, Ohman M. 2017. Polymorphisms in the canine monoamine oxidase A (MAOA) gene: identification and variation among five broad dog breed groups. *Canine Genetics and Epidemiology* 4:1. DOI 10.1186/s40575-016-0040-2

[PEER REVIEWED PODIUM PRESENTATIONS: \(20\)](#)

Bottenberg MM. Interprofessional Education/Practice: Preparing Ourselves and Our Students to be Team Ready. Preceptor Development Activities, Collaborative Education Institute, Des Moines, IA, November 2016.

Burkhardt, A , AOTA Annual Conference, 2016, Panelist/speaker, AOTA Pre-Conference Institute (6.5 hrs.) The road to relevancy in Mental Health, AOTA Annual Conference, Chicago, Illinois

Burkhardt, A (2016, September). A clinician's perspective: occupational therapy for persons with renal disease. OccupationalTherapy.com, Article 3378. Retrieved from <http://OccupationalTherapy.com>.

Burkhardt, A. (2016, May). Issues in caregiving. OccupationalTherapy.com, Article 3188. Retrieved from <http://OccupationalTherapy.com>.

Clarke C, Sedlacek R, Oates B. Poverty Simulations Impact on Pharmacy Student Attitudes Toward Poverty, Panel Presentation, 8th Annual Heartland Global Health Consortium Conference: The Social Determinants of Health, October 5, 2016.

Collier IA, **Bottenberg MM**, Grice G, Mattison M, and Ronald KE. Out of the Silo and into the Pasture: IPE for Colleges Unaffiliated with an Academic Health Center. AACP Annual Meeting, Anaheim, CA, July 2016.

Dy-Boarman, E. Learner vs Learner: Let's Debate. American Society of Health-System Pharmacists (ASHP) 2016 National Pharmacy Preceptors Conference, Washington, D.C. August 2016.

Dy-Boarman, E. Special Session: Integrating Academic Career Preparedness in Schools and Colleges of Pharmacy. Accepted for presentation at: American Association of Colleges of Pharmacy (AACCP) Annual Meeting 2016, Anaheim, CA. July 2016.

Grady, S. Case Based Presentation of Opioid Intoxication, Opioid Withdrawal, and Opioid Use Disorder; Opioid Student Summit, Drake University, October 7, 2016

Grady, S. Case Based Presentation of Opioid Intoxication, Opioid Withdrawal, and Opioid Use Disorder; Opioid Healthcare Professional Summit, Drake University, August 2, 2016

Gutierrez, C. (2016, April). Collaborating with Adult Education Program and Community Members to Design and Deliver a Patient Advocacy and Health Literacy Curriculum in Tribal Communities. Presented at the Society of Public Health Education Annual Conference in Charlotte, NC.

Gutierrez, C. (2016, April). Evaluating the effectiveness of an online diabetes training program to increase the knowledge and self-efficacy of school district employees to administer care to diabetic students. Presented at the Society of Public Health Education Annual Conference in Charlotte, NC.

Haack S, Kjos A, Richmond C, Schaefer C, Cooley K. Addressing Childhood Asthma Disparities: A Case Study of the Healthy Homes Des Moines Project. Presented at: Heartland Global Health Consortium Conference; October 2016; Des Moines, IA.

Mahajan, P. ~Pharmacogenomics: A novel approach to improve health care outcomes at the Mercy Quality Conference on April 30, 2016 at Des Moines, IA.

Mahajan, P. ~Pharmacogenomics: Where to next at the Iowa Pharmacy Association Midwest Pharmacy Expo on Feb. 14, 2016, Des Moines, IA.

Mann SE, Sacco JC. Prevalence of genetic polymorphisms in GSTP1 promoter in dogs. Poster presented at the Annual Meeting of the Central States Chapter of the Society of Toxicology, Iowa City, IA, November 17th-18th, 2016. Winning poster in the undergraduate student category.

Miesner AR, Salem A, Barker B, and Mahajan P. A Look Ahead. Presented at the 2016 Midwest Pharmacy Expo; February 14, 2016; Des Moines, IA.

Mobley-Bukstein, W. Counseling the Newly Diagnosed Diabetes Patient McKesson IdeaShare 2016; Chicago, IL June 27, 2016.

Mobley-Bukstein, W. MTM, CMRs and Health Coaching, Oh My McKesson IdeaShare 2016; Chicago, IL June 26, 2016.

Sacco J, Ruplin A, Skonieczny P, Ohman M. DNA Sequencing and Genetic Polymorphism Discovery in the Canine Monoamine Oxidase A (MAOA) gene. Presented at the 35th International Society for Animal Genetics Conference, Salt Lake City, UT, July 23rd -27th, 2016.

PEER REVIEWED POSTERS: (34)

Andreski M, Myers M, Pudlo A. Changes in Pharmacy Practice Due to a Change in Prescription Refill Processing: The Iowa New Practice Model Poster presented at the 163rd Annual Meeting of the American Pharmacists Association, Baltimore, MD, March 5, 2016.

Andreski M, Myers M, Pudlo. A Baseline Description of Seven Pharmacies Involved in An Evaluation of a New Practice Model. Poster presented at the Iowa Pharmacy Association 2016 Annual Meeting, West Des Moines, IA, June 17, 2016. (Winner IPA Foundation Poster Presentation Award)

Babcock J. and Abebe Mengesha, Evaluation of the cytotoxicity of lipid-based carrier for magnetically induced thermos-responsive drug delivery system, (abstract and poster), 128th Annual Meeting of the Iowa Academy of Science (IAS) and the 84th Iowa Junior Academy of Science (IJAS) Meeting, April 22 -23, 2016, Des Moines, IA.

Chesnut R, J. Batten. Excellence in Academic Mentoring and Advising: A Faculty Development Approach. Poster presented at American Association of Colleges of Pharmacy, Anaheim, CA; July 2016.

Clarke C, Schott K, Arnold A. Pharmacy Preceptors' Perceived Value of Virtual Experiential Quality Assurance Site Visits. American Association of Colleges of Pharmacy Annual Meeting, Anaheim, California, July 25, 2016.

Dy-Boarman E, Haack S, Fornoff A, Caligiuri F, Bottenberg M, Bryant G, Mobley-Bukstein W, Bryant A. Impact of Electronic versus Paper Rubrics to Assess Patient Counseling in a Skills-Based Lab Course. Poster presentation at the AACP Annual Meeting and Seminars. July 2016; Anaheim, CA.

Eastman DK, Bushman A, Nguyen N. Integration of Pharmacists for Vaccine Selection and Education for Asplenic Patients through a Collaborative Practice Agreement Pharmacists to Select Vaccines and Counsel Patients with Asplenia. IPA Annual Meeting, Des Moines, IA. June 2016.

Gutierrez, C., Rupe, E., Reed, C., Wolff, B. (2016, March). Hands-only CPR: Assessing the impact of mini-training sessions to increase the knowledge and confidence of college students to administer care. Presented at the Society of Public Health Education Annual Conference in Charlotte, NC.

Haack S, Byrd L, **Marwitz K.** Using Pharmacists to Offer Medication Management in Women with Hypertension: A Pilot Project in Polk County. Poster presentation at the Iowa Governor's Conference on Public Health. April 2016; Des Moines, IA.

Hannah Stonewall, Haley Kessinger and **Abebe Mengesha**, Effect of moisture on thermal properties of monoglycerides for triggerable drug delivery systems (abstract and poster), AACP Annual Meeting, Pharmacy Education 2016, July 23 -26, 2016, Anaheim, CA.

Hannah Stonewall, Haley Kessinger and **Abebe Mengesha**, Investigation of structural and phase transition of high purity monoglyceride-water systems, (poster), American College of Clinical Pharmacy (ACCP) Virtual Poster Symposium, May 18 -19, 2016. Program book: Pharmacotherapy 2016; 36(7) e95.

Huey, KA and Duwe, B. Effects of a Pre-Exercise Supplement on Anaerobic Power and Blood Lactate Levels in Males and Female. Poster presented at American College of Sports Medicine, May 31-June 4, Boston, MA. Med. Sci. Sport Exer. 48(S5):57, 2016.

Huey, KA, Drake, T, Dillon, G, and Wilhelmi, A. Effects of Gender, Aging, and Training Mode on Muscular Heat Shock Protein and Contractile Adaptations in Mice Poster presented at Experimental Biology, April 2-6; San Diego, CA. FASEB J, 30: 769.1, 2016.

Huey, KA, Godar, M, and **Chesnut, R.** Prior Exercise Reduces Pro-Inflammatory Cytokines in Skeletal Muscle and Prevents Statin-Associated Muscle Dysfunction in Mice, Poster presented at National AACP meeting, July 23-27, Anaheim, CA 2016.

Huey, KA, Herold, A., and Smith, S. Effects of Statin Treatment on Muscle Hypertrophy and Function Induced by Functional Overload in Mice. Poster presented at Integrative Biology of Exercise Meeting, November 2-4, Phoenix, AZ The Physiologist, 59(6), 2016.

Johnson JF, Parsa R, Bailey. *Canagliflozin prescribing patterns in a specialty diabetes clinic.* Presented at 76th Scientific Meeting of American Diabetes Association. New Orleans, LA. June 11, 2016

Kjos, A. Vaughan, A. Bhargava, A. Impact of Smart-Device Mobile Application on Medication Self-Management in Patients with Type 2 Diabetes. Accepted for presentation at the 163rd Annual Meeting of the American Pharmacists Association, Baltimore, Maryland, March 5-6, 2016. APhA2016 abstracts of contributed papers: Abstract #0031. Journal of the American Pharmacists Association, 2016:56(3).

Kjos, AL., Chesnut, RJ., Phillips, CR., Ulrich, EE., Haack, SL., Maki, ED. The DELTA Rx Institute: Aligning innovation & entrepreneurial leadership with ACPE and CAPE outcomes. Presented at the American Association of Colleges of Pharmacy Annual Meeting in Anaheim, California. July, 2016.

Lange K, Goldman, McKay D, **Gentry BG,** Franko J, Antimicrobial properties of perfusate fluid after CS-HIPEC with mitomycin C. 10th International Congress on Peritoneal Surface Malignancies (2016).

Martin, LG., Warholak. TL., Hincapie, A., **Kjos, AL.**, Gallo, T. Health Information Technology Competencies: Results of a Focus Group. Presented at the American Association of Colleges of Pharmacy Annual Meeting in Anaheim, California. July, 2016.

McNamara K, Hoehns J, Witry M, **Bryant G, Koenigsfeld C, Lehman N**, Logemann C, Mormann M, Rueber A, Sayler M. Assessing the Ability of Warfarin Treated Patients to Predict their INR. University of Iowa College of Pharmacy Research Day. Iowa City, Iowa. April 2016.

Meyer KS, Sheth S. Pharmacists Performing Pre-Admission Medication Reviews to Improve Long-Term Care (LTC) Transitions. Poster presentation at the ASCP Annual Meeting, Dallas Texas, November 2016.

Mobley-Bukstein, W. Student-led Health Screenings and the Impact on the Local Community; abstract submitted to APhA Annual Meeting Reviewers 2015; poster accepted and presented at the APhA Annual Meeting in March 2016.

Mobley-Bukstein, W. Student-led Health Screenings and the Impact on the Local Community; abstract submitted to IPA Annual Meeting Reviewers May 2016; poster accepted and presented at the IPA Annual Meeting in June 2016.

Nihal Mulla, Nicholas Vollmer, Laura Baumgartner, Rikhav Gala. Cancer Vaccine Development: A Study to Evaluate and Compare the Immunogenicity of Cytosolic, Membrane and lysate Proteins of Melanoma and Metastatic Breast Cancer Cells. Presented at the 2016 AAPS Annual Meeting and Exposition, being held November 13-17, 2016 at the Colorado Convention Center in Denver, Colorado

Rikhav Gala, **Nihal Mulla**, Richard Addo, Susu Zughaiier, Martin D'Souza. In Vitro Immune Characterization of Multiple Adjuvants for Different Types of Vaccine Antigens. Presented at the 2016 AAPS Annual Meeting and Exposition, being held November 13-17, 2016 at the Colorado Convention Center in Denver, Colorado

Sacco J, Ruplin A, Skonieczny P, Ohman M. DNA Sequencing and Genetic Polymorphism Discovery in the Canine Monoamine Oxidase A (MAOA) gene. Presented at the 35th International Society for Animal Genetics Conference, Salt Lake City, UT, July 23rd 27th, 2016.

Schellhammer, Sara, Gabriel Gauthier, Sabrina Roberts, Yaovi Aledi, Holly Showalter and **Pramod Mahajan.** Raising awareness for teen tanning, melanoma and current Iowa legislation. at the Iowa Governor's Conference on Public Health on April 12-13, 2016 at Des Moines, IA.

Shapiro A, Rachel Shapiro, Faith Wilson, Amy Patel, Emile Hulse, Connor Littlefield, Mddie Green, Paul Akpan, Holly Showalter and **Pramod Mahajan.** Teen Tanning Study: High School Students Understanding of the benefits and hazards of tanning practices at the Iowa Governor Conference on Public Health on April 12-13, 2016 at Des Moines, IA.

Ulrich E, Kjos A, Japs K. Systematic Review of the Relationship Between the Social Environment and Healthcare Utilization of Older Americans. International Social Pharmacy Workshop; July 19-22, 2016; Aberdeen, Scotland.

Ulrich EE, Roy NT. Quantifying the relationship between patient characteristics and involvement in developing and implementation of a treatment plan. American Pharmacy Association Annual Meeting; March 4-7, 2016; Baltimore, Maryland.

Ulrich, EE, Kjos, AL., Japs, KL. Development of a Theory-Based Framework on the Relationship between the Social Environment and Healthcare Utilization of Older Adults. Presented at the 17th Biennial, International Social Pharmacy Workshop at the University of Aberdeen, Scotland, UK. July, 2016.

Welty T, Gidal B, Privitera M, Berg M, Diaz F, Krebill R. Coffee and tobacco interactions with lamotrigine. American Epilepsy Society. 2016:Abstract 2.209.

https://www.aesnet.org/meetings_events/annual_meeting_abstracts/find/welty/0/0/0

Wolff, B., Gutierrez, C., Rupe, E., & Reed, C. (2016, July). Hands-only CPR: Assessing the impact of mini-training sessions to increase the knowledge and confidence of college students to administer care. Presented at the International Rural Nursing Conference in Rapid City, SD.

BOOKS CHAPTERS: (4)

Cohen H. Reviewed by: **Kassel LE,** Rivas Marrero A. Medication Safety, Quality Assurance, and Drug Shortages in the ICU. Medication Administration / Critical Care Research CCSAP. May 2016

Juang P. Reviewed by: Tsuji BT, Smith ZR, **Kassel LE.** Antibiotic Resistance in the ICU. Infection Critical Care CCSAP. January 2016.

Kjos, A.L. Daniel G Ricci. Chapter 22: Networks of Care - Social networks in health & care delivery. In: Rickels, Schommer, and Wertheimer, eds. Social and Behavior Aspects of Pharmaceutical Care. 3rd ed. Dubuque, IA: Kendall Hunt; 2016.

Wall GC, Eastman DK. Peptic Ulcer Disease. In: Murphy JE, Lee MW, eds. Pharmacotherapy Self-Assessment Program, 2016 Book 2. GI/Fluids and Nutrition. Lenexa, KS: American College of Clinical Pharmacy, 2016:49-66.

BOOKS: (0)

NON-PEER REVIEWED ARTICLES: (2)

Bell EA. Why kids younger than 12 don't necessarily need OTC cough and cold remedies. The Conversation 2016, November 23. www.theconversation.com

Huey, KA (2016). Tips for managing an academic research lab budget. Lab Manager 11:18-22.

NON-PEER REVIEWED COLUMNS: (6)

Bell EA. Dosing errors persist in liquid medication for children. Infectious Diseases in Children 2016;29(12):17

Bell EA. Insect repellents - focus on Zika virus. Infectious Diseases in Children 2016;29(9):12

Bell EA. Sunscreen decoded -myths about SPF, labels, and recommendations. Infectious Diseases in Children 2016;29(7):7

Bell EA. Continued pertussis outbreaks call vaccine effectiveness in question. Infectious Diseases in Children 2016;29(6):10

Bell EA. Drug shortages pose challenges, spark open communication in US healthcare. Infectious Diseases in Children 2016;29(3):15

Bell EA. The cost of care -surging drug prices in the physician spotlight. *Infectious Diseases in Children* 2016;29(1):19

INVITED/NON-REVIEWED PODIUM PRESENTATIONS (34)

Brady MP, Drake Health Sciences Experiential Education Preceptor Webinar. Presented at Drake University. Des Moines, IA. October 2016.

Chesnut R., Gardner S., Johnson E., Petrelli H. Getting to know your Student Services SIG and Administrative Services Section. American Association of Colleges of Pharmacy, Anaheim, CA; July 2016.

Eastman DK. Pass the Salt-Managing Electrolyte Disorders. Presentation at Midwest Pharmacy Expo, Des Moines, IA, February 13, 2016.

Fischbach, J. ChildServe: Alternative Pediatric Assessments

Fischbach, J. ChildServe: Cortical Visual Impairment Condition and Intervention

Fischbach, J. Drake School of Ed: Handwriting Assessment and Impact on Reading

Fischbach, J. Heartland AEA: Evidence-Based Practice and Drake University OTD Program

Fischbach, J. LifeWorks: What is Sensory Processing Disorder? (2 sessions)

Gutierrez, C. (2016, August). Promoting the Health Sciences Major. Presented at the HSCI Faculty Advisor Retreat in Des Moines, IA.

Gutierrez, C. (2016, July). Developing Students as Health Science Professionals. Presented for Drake CPHS in Des Moines, IA.

Gutierrez, C. & Brady, M. (2016, December). Overview of health sciences at Drake. Panel presentation at Central Campus Health Sciences College Overview Day in Des Moines, IA.

Gutierrez, C. & Brady, M. (2016, October). Health Sciences/Pre-Athletic Training Breakout Session. Presented at Drake Health Professions Day in Des Moines, IA.

Gutierrez, C., Lindmark, M. & LeBlanc, H. (2016, October). Lessons Learned from and Next Steps for Implementation Following a Needs Assessment to Understand Water Quality in Rural Uganda. Presented at Heartland Global Health Conference in Des Moines, IA.

Haack S. New Prescription Meds You Should Know. Invited presentation at the Iowa Physician Assistant Society Spring Conference, April 2016; West Des Moines, IA.

Kassel LE. Invited Presentation: Acute Pain Management. Collaborative Education Institute (CEI) Pain Management Series. Webinar, Des Moines, IA. September 2016.

Kassel LE. Invited Presentation: Medication Consideration. Iowa Physical Therapy Association (IPTA) Annual Conference, Embassy Suites Conference Center, Des Moines, IA. October 2016.

Koenigsfeld, C. Presented three APhA Diabetes Certificate Training programs

Koenigsfeld, C. APhA Immunization Certificate Training programs- Two in 2016.

Meyer, K. Medications and Falls Prevention. Iowa Area Agency on Aging 2016 Falls Symposium, Ankeny, Iowa, July 2016.

Mobley-Bukstein, W. Intro to Team Based Learning Phi Lambda Sigma and Rho Chi meeting for P2 students; November 2016.

Percival KM. Everything You Need To Know About Antimicrobial Resistance and Stewardship in 20 Minutes. Pharmacy and Health Science Day Eve. Drake University, Des Moines, IA. February 2016

Percival, KM. Colistin Resistant Enterobacteriaceae. Internal Medicine Noon Conference Series. Mercy Medical Center, Des Moines, IA. July 2016

Percival, KM. Reflex Urine Culture Update. Internal Medicine Noon Conference Series. Mercy Medical Center, Des Moines, IA. November 2016.

Sacco J. Evolution on steroids: Dogs and their susceptibility to disease. Invited speaker at the May 25, 2016 meeting of the Central Iowa Veterinary Technician Association (CIVTA). DMAAC Campus, Ankeny, IA

Sacco J. Genetic Variation in canine glutathione-S-transferases. Department of Animal Sciences, Iowa State University, Ames, IA. October 11, 2016

Wall, G. May 2016 Biologic therapy in Alzheimers Disease Presented at the Academy of Managed Care Pharmacy meeting, San Fransico, CA

Wall, G. May 2016 JAK-Inhibitors for Rheumatoid Arthritis: Information for Specialty Pharmacists. Presented at the ARMADA meeting, Las Vegas, NV

Wall, G. October 2016 New Biologic Agents for Psoriasis and Psoriatic Arthritis Presented at the National Society of Specialty Pharmacists meeting, Baltimore, MD.

Welty TE, Generic drug substitution and the Equigen study results Conference on Generic Drug Substitution, Johns Hopkins University School of Public Health, FDA White Oak Campus, White Oak, Maryland, November 2016.

Welty TE, Inter-professional education. Asian Conference on Clinical Pharmacy, Seoul, South Korea, July 2016.

Welty TE, Pharmacy and the transformation of healthcare delivery SIM Learning Community, Iowa Healthcare Collaborative, Des Moines, Iowa, November 2016.

Wrenn C, Haack S, Gastala N, Wilke-Brown M. Heroin and Opioids: A Community Crisis and the Role FQHCs Can Play in Addressing It. Invited presentation at the Iowa Primary Care Association Annual Conference, October 2016; West Des Moines, IA.

Wuebker, M. Universal Design, Presentation, 2016 Iowa Rehabilitation Association Conference, Des Moines, Iowa, October 5th, 2016.

INVITED/NON-REVIEWED POSTER (15)

Allen R, Greifzu M, Kipligat F, O'Brien A, Lyons MC (mentor), **Torry RJ** (mentor). Enhancing health science student critical thinking and analytical skills: a collaboration between Drake University and Waukee High School's APEX program. Presented at Conference on Undergraduate Research in the Sciences (DUCURS), Drake University, April 14, 2016.

Danielle Buettner, Emily Larson, Alec Wilhelmi, and Kimberly Huey. A Comparison of Knee and Shoulder Flexion/Extension Ratios Between Genders and Across Exercise Platforms. Drake Undergraduate Research Symposium, April 14, 2016.

Emily Larson, Danielle Buettner, Alex Wilhelmi, and Kimberly Huey. Application of the Force-Velocity Curve: Flexion and Extension Strength Differences Between Genders. Drake Undergraduate Research Symposium, April 14, 2016.

Kyle Godwin and Kimberly Huey, Exercise capacity and muscular adaptations to treadmill training are not reduced by AICAR treatment in mice Iowa Physiological Society Meeting, October 29, 2016

Lang J, Caligiuri FJ, Chesnut R. Building the Pharmacy Pipeline at Drake University. Presented at the American Association of Colleges of Pharmacy's Annual Meeting in Anaheim, CA, July 23rd-27th, 2016. (college poster)

LeBlanc, H.R., Williamson, A.C., Wrenn, C.C. Study of Daily Genistein Ingestion on Spatial Memory and Olfaction in Triple Transgenic Alzheimer's Mice. Iowa State Neuroscience Day, September 2016. First Place Award Winner

LeBlanc, H.R., Williamson, A.C., Wrenn, C.C. Study of Daily Genistein Ingestion on Spatial Memory and Olfaction in Triple Transgenic Alzheimer's Mice. Des Moines University Research Symposium, December 2016.

Mann SE, Sacco JC. Prevalence of genetic polymorphisms in the GSTP1 promoter in dogs. Poster presented at the 2016 Des Moines University Research Symposium, Des Moines, IA, December 1st, 2016. Winning poster in the biomedical research category.

McNamara K, Hoehns J, Witry M, **Bryant G, Koenigsfeld C, Lehman N,** Logemann C, Mormann M, Rueber A, Sayler M. Assessing the ability of warfarin treated patients to predict their INR. University of Iowa Health Sciences Research Week, April 2016, Iowa City, IA.

Miesner AR, Williams E, Beckett E, **Grady S.** Pimping in Pharmacy Education: A Survey of Teaching Practices in Iowa. Poster presentation at the Iowa Pharmacy Association Annual Meeting. June 17, 2016; West Des Moines, IA.

Ruplin A, Skonieczny P, Ohman M, Sacco J. DNA Sequencing and Genetic Polymorphism Discovery in the Canine Monoamine Oxidase A (MAOA) gene. Poster presented at the 128th Annual Meeting of the Iowa Academy of Science, Des Moines, IA, April 22nd -23rd, 2016.

Sacco J, Weaver A, Spocter M. Genetic Variation, Expression, and Comparative Genomics of the Canine TMF-1 Regulated Protein (TRNP1) Gene. Poster presented at the 2016 Des Moines University Research Symposium, Des Moines, IA, December 1st, 2016.

Skonieczny P, Ruplin A, Ohman M, Sacco J. DNA Sequencing and Genetic Polymorphism discovery in the Canine Monoamine Oxidase type A (MAOA) Gene. Poster presented at the 12th Annual Drake University Conference on Under-graduate Research in the Sciences (DUCURS), Des Moines, IA, April 14th, 2016.

Vonderhaar JM, Ulrich EE, Grady SE. Innovative Model of Translational Research at a Teaching Institution. STEM@Drake Visit Day. November 2016.

Wirkus E, **Schott K, and Clarke C.** An Assessment of Interprofessional Education Practices in Drake University's PharmD Program. Drake University Health Sciences Senior Experience Poster Session, May 5, 2016: Des Moines, Iowa.

TECHNICAL OR CONSULTANT REPORTS: (7)

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 III-IV Quarterly Report. Presented to Iowa Board of Pharmacy on Nov 2, 2016. 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-II Final Report. Presented to Iowa Board of Pharmacy on August 31, 2016. 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-II Quarterly Report. Presented to Iowa Board of Pharmacy on June 20, 2016. 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-II Quarterly Report, Phase II IV proposals. Presented to Iowa Board of Pharmacy on May 4, 2016 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-II Quarterly Report. Presented to Iowa Board of Pharmacy on January 13, 2016. Sponsored by Iowa Pharmacy Association.

Borgelt L, **Caligiuri FJ,** Dering-Anderson A, Kedzierski M, Koh-Knox C, Melton S, Stanford D. American Association of Colleges of Pharmacy (AACP) Medical Cannabis Toolkit. Available on aacp.org since July 2016

Wall GC, Duelmeyer SA, Wall CC. Consistent Temperature Monitoring and Control to Ensure Medication Safety and Efficacy: A White Paper. Published by TempAlert, Boston, MA 9/2016

RESEARCH GRANTS AND CONTRACTS: (19 NEW)

Extramural (7)

Title: Rural Physician-Pharmacist Collaborative Practice Agreements Managing Patients in Assisted Living Memory Care Facilities

Sponsor: Community Pharmacy Foundation

Start Date: 2016

Direct Costs: \$5,000 allocation

Role: **M. Andreski**, Co-investigator with Mattie Robertson Hass, Nauvoo Pharmacy

Title: Effects of Glutamine Supplementation on Overload-Induced Muscle Growth and Function in Mice

Sponsor: Iowa Space Grant Undergrad Research Fellowship, Faculty Mentor for Kyle Godwin

Start Date: August 2016-May 2017,

Direct Costs: \$5,000 to student, \$2,000 to faculty mentor

Role: **K. Huey**, Principal investigator/faculty mentor

Title: Using Wireless Human Physiological Monitoring Systems in an Undergraduate Medical Physiology Course

Sponsor. Iowa Space Grant Curriculum Development Grant

Start Date: December 2016-May 2017

Direct Costs \$5,000.

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

Title: Effect of AICAR and/or exercise on muscle function and HSP protein expression in treadmill trained and sedentary mice

Sponsor. American Physiological Society Undergraduate Summer Research Fellowship, Faculty sponsor for Kyle Godwin

Start Date: Summer 2016

Direct Costs \$4,000 to student, \$1,300 for student travel to Experimental Biology, \$300 to faculty host

Role: **K. Huey**, Principal investigator/faculty mentor

Title: 'Role of DNA methylation and methyltransferases in DNA repair'

Sponsor: Iowa Space Grant Consortium

Start Date: 2016

Direct Costs: \$2,000.00,

Role: **P. Mahajan** (PI) Mentor (Michael Ohman is the student)

Title: Development of nanoparticulate drug delivery tools using microfluidic devices

Sponsor- Neofluidic LLC

Start Date: 2016

Direct Costs: 5000.00

Role: **N. Mulla**, Co-investigator, Advisor

Title: Functional characterization of a highly polymorphic repeat polymorphism in the canine Glutathione S-transferase pi 1 (GSTP1) gene

Sponsor: Iowa Space grant

Start Date: 12-1-2016 to 5-31-2017

Direct Costs: \$5,000

Role: **J. Sacco**, PI

Intramural: (12)

Title: Participation in the Inaugural National Center Summit on the Future of Interprofessional Education.

Sponsor: Jordnt Faculty Development Endowment

Start Date: August 2016

Direct Costs: \$1279.33

Role: **M. Bottenberg**, (PI)

Title: Occupational Therapy Living History

Sponsor: The Office of the Provost, Drake University

Start date/completion: June 2016

Direct costs: 2,000

Role: **A. Burkhardt** (Principal)

Title: Pharmacy Preceptors' Perceived Value of Virtual Experiential Quality Assurance Site Visits

Sponsor: College of Pharmacy and Health Sciences Harris Research Endowment

Start Date/Completion Date: January 2016 -August 2016

Direct Costs: \$2,300

Role: **C. Clarke**, Co-Principal Investigator with K. Schott and Student A. Arnold

Title: Effects of Antipsychotics on DNA methylation

Sponsor: Harris Research Endowment Funds

Start Date: September 2016

Direct Costs: \$10,930

Role: **S. Grady**, Co-investigator

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

Sponsor: Drake University Nelson Institute of Global Pressing Issues Grant

Start Date/Completion Date: May 2016-May 2017

Direct Costs: \$30,000

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

Title: A Comparison of Running Wheels on Muscular and Cardiovascular Adaptations to Exercise

Sponsor. Drake University Harris Award

Start Date: August 2016-May 2017,

Direct Costs \$2,400

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

Title: Prior Exercise Reduces Pro-Inflammatory Cytokines in Skeletal Muscle and Prevents Statin-Associated Muscle Dysfunction in Mice

Sponsor: Harris Award to present and attend AACP Meeting

Start Date: July 2016

Direct Costs \$2,250

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

Title: Effect of temperature and humidity on binary mixtures of monoolein and monostearin lipid crystals for thermo-responsive drug delivery system.

Sponsor: Drake Research Grant

Start date/completion date: July 2016 -May 2017

Direct costs: \$3,000.00

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

Title: Prevalence of functionally important Glutathione S-transferase pi (GSTP) genetic polymorphisms in different dog breeds

Sponsor: Drake University

Start Date: 7-1-2016 to 5-31-2017

Direct Costs: \$3,000

Role: **J. Sacco**, PI

Title: Student research assistant coding for systematic literature and travel to International Social Pharmacy Workshop 2016

Sponsor: Harris Fund

Date: June 2016

Amount Awarded: \$1080

Role: **E. Ulrich**, Principal investigator

Title: Supplement student travel to International Social Pharmacy Workshop 2016

Sponsor: Jorndt Fund

Start Date: July 2016

Amount Awarded: \$465

Role: **E. Ulrich**, Principal Investigator

Title: Identification of international collaborators to investigate the role of pharmacist in patients' social network.

Sponsor: Global Citizenship Faculty Research and Development Fund, DU International Office

Start Date/completion date: March 11- September 1, 2016

Direct Costs: \$1,000

Role: **E. Ulrich**, Principal Investigator

UNDERGRADUATE RESEARCH PROJECTS: (60)

Brady Allen, HSCI

Mentor: C. Gutierrez

Project Title: Outpatient quality improvement initiative

Products: Manuscript and Poster Presentation for Issues V (May 2016)

Amber Amick, HSCI

Mentor: C. Wrenn

Project: Does maternal genistein affect performance in hippocampal non-spatial memory tasks?

Product: DMU poster, DUCURS poster, manuscript in preparation

Jason Babcock (PharmD)

Mentor: A. Mengesha

Project: Evaluation of the cytotoxicity of lipid-based carrier for magnetically induced thermos-responsive drug delivery system

Products: Abstract and poster: 128th Annual Meeting of the Iowa Academy of Science and the 84th Iowa Junior Academy of Science Meeting (April 2016)

ISGC Fellowship, 2016 (submitted)

United States Pharmacopeia (USP), 2016-2017 USP Global Fellowship (submitted)

Laura Baumgartner

Mentor: N. Mulla

Project: Cancer Vaccine Development: A Study to Evaluate and Compare the Immunogenicity of Cytosolic, Membrane and lysate Proteins of Melanoma and Metastatic Breast Cancer Cells

Product: AAPS poster 2016

Emily Birakdar, (PHARMACY)

Mentor: J. Sacco

Project: Variation in the canine TRNP1 gene

Allison Brask

Mentor: K. Huey

Project: A Comparison of Running Wheels on Muscular and Cardiovascular Adaptations to Exercise

Product: Present at DUCURS 2017

Danielle Buettner

Mentor: K. Huey

Project: Comparison of Knee and Shoulder Flexion/Extension Ratios Between Genders and Across Exercise Platforms

Product: DUCURS poster (April 2016)

Anna Burns, P2

Mentor: B. Gentry

Role of ADAL-1 in the Activation of MBX-2168

Emily Conway, HSCI

Mentor: C. Gutierrez

Project Title: Senior Capstone

Product: Manuscript and Poster in Progress for Issues V

Alexa DeVita, P3;

Mentor: B. Gentry

Labelling of HCMV Terminase Subunits as a Precursor for Determining Their Mechanism of Action

Rebecca Do, P3

Mentor: R. Torry

Project Title: Interleukin-27 and Tumor Development

Product: Lab work conducted with Dr. Yujiang Fang, Pathology, DMU; review paper written (not for publication); voice over ppt on techniques learned produced

Kara Eid

Mentor: K. Huey

Project: A Comparison of Running Wheels on Muscular and Cardiovascular Adaptations to Exercise,

Product: Present at DUCURS 2017

Fabian, Dalton; Obermark, Molly; Adams, Tori- CPHS

Mentor: W. Mobley-Bukstein

Project: Student-led Health Screenings

Product: Poster at APhA Annual and IPA Annual Meeting

Matthew Glasow (PharmD)

Mentor: A. Mengesha

Development of a Fixed-Dose Combination Therapy of Doxazosin and Finasteride for the Treatment Benign Prostate Hyperplasia: Stability and Compatibility Studies

2016 DUSCI Summer Research Fellowship

Kyle Godwin

Mentor: K. Huey

Project: Exercise capacity and muscular adaptations to treadmill training are not reduced by AICAR treatment in mice

Product: Iowa Physiological Society Meeting poster (October 2016), submitted for poster presentation at Experimental Biology and APS undergraduate abstract award (April 2017)

Kyle Godwin

Mentor: K. Huey

Project: Effects of glutamine on muscle growth in a mouse model of muscle hypertrophy

Product: Present at DUCURS 2017 and ISG meeting (April 2017)

Kyle Godwin (Health Sciences)

Mentor: E. Maki

Project Title: Patients' Perspective on Diabetes Care in the Hospital

Product(s): Data collection on going

Lucas Groeneveld (PharmD) and Jess Thompson (PharmD)

Mentor: A. Mengesha

Evaluation of the cytotoxicity of oleic acid-modified iron oxide nanoparticles suspended in monoglycerides matrix.

Amanda Hoerres (DUSCI Summer Research Scholar)

Mentor: P. Mahajan

Project: Role of Nuclear Matrix Metalloproteases in DNA repair

Scarlett Howerter, HSCI

Mentor: C. Gutierrez

Project Title: Mobile market: Needs assessment on healthy food access in Polk County

Products: Manuscript and Poster Presentation for Issues V (May 2016)

Minh Huyn (PHARMACY)

Mentor: J. Sacco

Project: Variation in the canine MAOA gene

Kelsey Japs (Pharmacy)

Mentor: A. Kjos

Project Title: Developing a Social Support Index for Older Americans' Healthcare Utilization

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

Matt Kent (Pharmacy)

Mentor: C. Phillips

Project: Review of literature on stress among pharmacy students, faculty and staff

Product: Introduction section of research paper- in progress.

Karli Kisch, (BCMB)

Mentor: C. Gutierrez

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

Products: Needs Assessment (June 2016), Project Implementation (Jan 2017), Panel Presentation at Heartland Global Health Conference (October 2016), Publication in Progress

Dillon Krotz (AS)

Mentor: A. Mengesha

Development and validation of a reversed-phase HPLC method for simultaneous determination of doxazosin mesylate and finasteride in pharmaceutical dosage forms.

Manuscript: Acta Chromatographica DOI: 10.1556/1326.2017.29.3.01

Emily Larson (HSCI)

Mentor: K. Huey

Project: Application of the Force-Velocity Curve: Flexion and Extension Strength Differences Between Genders.

Product: DUCURS poster (April 2016)

Hayley LeBlanc, NS

Mentor: C. Wrenn

Project: Study of Daily Genistein Ingestion on Spatial Memory and Olfaction in Triple Transgenic Alzheimer's Mice

Product: DMU poster, Iowa State Neuroscience Day poster, ASPET 2017 poster

Hayley LeBlanc, (BCMB)

Mentor: C. Gutierrez

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

Products: Needs Assessment (June 2016), Project Implementation (Jan 2017), Panel Presentation at Heartland Global Health Conference (October 2016), Publication in Progress

Megan Lindmark, Environmental Science

Mentor: C. Gutierrez

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

Products: Needs Assessment (June 2016), Project Implementation (Jan 2017), Panel Presentation at Heartland Global Health Conference (October 2016), Publication in Progress

Regan Longtin, HSCI

Mentor: C. Gutierrez

Project Title: Curriculum-based Early Intervention and Play for Children with Autism

Products: Manuscript and Poster Presentation for Issues V (May 2016)

Darrin MacLeod, HSCI

Mentor: C. Gutierrez

Project Title: Adaptive Wheelchair Obstacle Course

Products: Manuscript and Poster Presentation for Issues V (May 2016)

Danielle McKay, P3

Mentor: B. Gentry

Quantification of Mitomycin C within Intraperitoneal Fluid following HIPEC Perfusion;

Products: Poster (10th International Congress on Peritoneal Surface Malignancies)

Sarah Mann (BCMB)

Mentor: J. Sacco

Project: Prevalence of genetic polymorphisms in GSTP1 promoter in dogs

Product: CSSOT poster (November 2016) - winner and travel grant awardee; DMU research conference poster (December 2016) - winner

Nate Martin (P4) and Elizabeth Bald (P4)

Mentor: N. Stelter

Project: Determining university employee perceptions of student pharmacist-delivered wellness services

Product: Data analysis underway and plan to publish

Midhad Mrvoljak, HSCI

Mentor: C. Gutierrez

Project Title: Interdisciplinary Communication in Healthcare

Products: Manuscript and Poster Presentation for Issues V (May 2016)

McKenzie Mercial, HSCI

Mentor: C. Gutierrez

Project Title: Examining Inbound Patient Calls: Further Look Into Online Patient Portals

Products: Manuscript and Poster Presentation for Issues V (May 2016)

Andrew Nitz, HSCI

Mentor: C. Gutierrez

Project Title: An overview of pravara institute of medical sciences certificate in social medicine & development study abroad program

Products: Manuscript and Poster Presentation for Issues V (May 2016)

Molly Obermark (P4)

Mentor: G. Bryant

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

Product(s): Manuscript published ahead of print in the J Pharm Pract in 2016

Michael Ohman (Pharmacy; NASA ISGC Scholar)

Mentor: P. Mahajan

Project: Role of DNA methylation and methyltransferases in DNA repair

Megan Palmer, HSCI

Mentor: C. Gutierrez

Project Title: The effects of nursing leadership rounding on patient satisfaction

Products: Manuscript and Poster Presentation for Issues V (May 2016)

Jake Powers (P3), Trevor Bridge (P3), Ryan Hannan (P3), Katie Serbin (P3), Lauren Holmes (P3),
Tori Adams (P3)

Mentor: N Stelter

Project: University Employee Perceptions of Student Pharmacist-Provided Influenza
Immunizations

Product: APhA Annual Meeting, to be presented March 2017

Andrew Ruplin (pharmacy)

Mentor: J. Sacco

Project: DNA Sequencing and Genetic Polymorphism Discovery in the Canine Monoamine
Oxidase A (MAOA) gene

Product: IAS Poster (April 2016)

Jessica Satterfield, BS-HS candidate

Mentor: A. Miesner

Project Title: The Role for Education in Antimicrobial Stewardship: A Review

Hannah Sauer (P4)

Mentor: G. Bryant

Project Title: Second-year pharmacy students' self-reflection of aseptic technique skills and the
impact of video review on metacognition and performance

Product(s): Manuscript submitted to Curr Pharm Teach Learn [submitted October 2016]

Jessica Seadler (Pharmacy)

Mentor: E. Maki

Project Title: Antibiotics in Transitions of Care

Product(s): Data collection ongoing

Ethan Siegel, HSCI

Mentor: C. Gutierrez

Project Title: An assessment of physician leadership self-efficacy through the lens of the
Physician Leadership Academy at Mercy Medical Center -Des Moines

Products: Manuscript and Poster Presentation for Issues V (May 2016)

Paul Skonieczny (HEALTH SCIENCE)

Mentor: J. Sacco

Project: DNA Sequencing and Genetic Polymorphism Discovery in the Canine Monoamine
Oxidase A (MAOA) gene

Product: DUCURS poster (April 2016)

Jena Stallsmith, Pharmacy

Mentor: L. Kassel

Project: Implementing a Student-Run Antimicrobial Stewardship Program

Product: Currently in data analysis; would like to submit poster at ASHP MidYear

Natalie Stevens, HSCI

Mentor: C. Gutierrez

Project Title: Improving SharePoint: An intranet communication tool at Lutheran Hospital

Products: Manuscript and Poster Presentation for Issues V (May 2016)

Michelle Thommi, Health Sciences capstone project

Mentor: L. Kassel

Project: Evaluation of the Impact of Pre-Operative Joint Camp Attending on Post-Operative Complications in the Orthopedic Population

Product: Will have a poster for presentation in Spring 2017

Nicholas Vollmer (Pharmacy)

Mentor: N. Mulla

Project: Cancer Vaccine Development: A Study to Evaluate and Compare the Immunogenicity of Cytosolic, Membrane and lysate Proteins of Melanoma and Metastatic Breast Cancer Cells

Product: AAPS poster (2016)

Anna Wade, P3

Mentor: B. Gentry

Elucidating the Mechanism of Action of Select Pyrrolopyrimidine Nucleoside Analogs

Alyssa Weaver, BA (Non-Drake student, Colorado College)

Mentor: J. Sacco

Project: Genetic Variation, Expression, and Comparative Genomics of the Canine TMF-1 Regulated Protein (TRNP1) Gene

Product: DMU research conference poster (December 2016)

Augusta Weide, (Business)

Mentor: C. Gutierrez

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

Products: Needs Assessment (June 2016), Project Implementation (Jan 2017), Panel Presentation at Heartland Global Health Conference (October 2016), Publication in Progress

Stephanie Wensing, Pharmacy

Mentor: L. Kassel

Project: Evaluation of Safety of the Insulin Drip Protocol for Patients with Hyperglycemia

Product: Applied to present poster

Eric Williams, BS-HS

Mentor: A. Miesner

Project Title: Pimping in Pharmacy Education: A Survey and Comparison of Student and Faculty Views

Product(s): Health Sciences Capstone Poster (May 2016), Iowa Pharmacy Association Poster (June 2016), manuscript pending

Alyson Williamson, PharmD

Mentor: C. Wrenn

Project: Study of Daily Genistein Ingestion on Spatial Memory and Olfaction in Triple Transgenic Alzheimer's Mice

Product: DMU poster, Iowa State Neuroscience Day poster, ASPET 2017 poster

E Wirkus

Mentor: C. Gutierrez, C. Clarke with K. Schott

Project: An Assessment of Interprofessional Education Practices in Drake University's PharmD Program.

Product: Health Sciences Senior Experience Poster Session, Des Moines, Iowa, May 5, 2016.

Sam Wolfson, HSCI

Mentor: C. Gutierrez

Project Title: The Increased Implementation of First-Aid Kits for Sports Organizations of Iowa

Products: Manuscript and Poster Presentation for Issues V (May 2016)

Sarah Worrell, HSCI

Mentor: C. Gutierrez

Project Title: Children Firearm Suicides in Iowa Compared to National Statistics

Products: Manuscript and Poster Presentation for Issues V (May 2016)

JOURNAL REVIEWING ACTIVITIES:

Acta Chromatographia , A. Mengesha
Alimentary Pharmacology and Therapeut, G. Wall
American Association of Clinical Pharmacists, W. Mobley-Bukstein
American Journal of Health-System Pharmacy, M. Andreski, G. Wall
American Journal of Pharmacy Education , M. Bottenberg, E. Dy-Boarman
American Journal of Physiology , K. Huey
Annals of Pharmacotherapy, E. Bell, M. Bottenberg, G. Wall, E. Dy-Boarman, T. Welty
Antimicrobial Agents and Chemotherapy, B. Gentry
Antiviral Research, B. Gentry
Behavioral Brain Research, C. Wrenn
Clinical and Experimental Allergy, G. Wall
Clinical Interventions in Aging, N. Lehman
Current Medical Research and Opinion, T Welty
Currents in Pharmacy Teaching and Learning, M. Bottenberg, E. Dy-Boarman, S. Grady , L. Kassel
Epilepsy and Behavior, T Welty
Epilepsy Research, T Welty
Health Education Journal, C. Gutierrez
International Journal of Pharmaceutical Compounding, A. Mengesha
International Journal of Pharmacy Practice, G. Wall
Journal of Applied Physiology, K. Huey
Journal of Cellular Physiology , K. Huey
Journal of Chromatography B, N. Mulla
Journal of Pharmaceutical Sciences (J. Pham. Sci) , A. Mengesha
Journal of Pharmacy Practice , K. Percieval, G. Wall
Journal of the American Pharmacist Association, C Clarke, S. Haack, A. Kjos, C. Koenigsfeld, W. Mobley-Bukstein, E Ulrich
Journal of the Scholarship of Teaching and Learning, E. Dy-Boarman
LifeSciTRC, K. Huey
Muscle Nerve , K. Huey
Nutrition and Cancer: An International Journal, A. Mengesha
Pediatric Pharmacology, E. Bell
Pharmacist's Letter , T Welty
Pharmacology, Biochemistry, and Behavior, C. Wrenn
Pharmacotherapy, E. Dy-Boarman
PharmSciTech , A. Mengesha
PLOS One, J. Sacco
Research in Social & Administrative Pharmacy, M. Andreski, A. Kjos, E. Ulrich
U.S. Pharmacist, L.Kassel

REVIEWERS FOR PODIUM or POSTER SESSIONS:

Bottenberg, M. AACP Annual Meeting
Clarke, C. AACP abstracts/posters
Clarke, C. APhA abstracts
Gentry, B. 29th Annual International Conference on Antiviral Research
Gentry, B. American Society for Microbiology Council of Undergraduate Educators
Lehman, N. Iowa Pharmacy Association - IPA Goes Local, podium presentation reviewer
Meyer, K. ASCP 2016 Annual Meeting posters
Miesner, A. American College of Clinical Pharmacy 2016 Annual Meeting. Posters
Mobley-Bukstein, W. APhA Annual Meeting Contributed Papers Program
Phillips CR. SLDS, Drake University
Sacco, J. Drake University Conference for Undergraduate Research in the Sciences (DUCURS), April 2016. Podiums
Sacco, J. DMU Research Symposium, Dec 2016. Posters
Sacco, J. Postdoctoral category, at the Annual Fall Meeting of the Central States Chapter of the Society of Toxicology, Nov 2016 Podium Presentations,
Torry, R. Des Moines University Research Symposium, graduate student competition, Torry, R. Iowa Physiological Society, graduate student competition
Torry, R. HSCI Capstone/Issues V poster grader
Welty, T. American College of Clinical Pharmacy
Welty, T. American Association of Colleges of Pharmacy

REVIEWERS FOR GRANTS/AWARDS:

Bryant, G. AACP New Investigator Award Application Reviewer 2016
Bryant, G. ACCP Student Travel Award Reviewer; 2016
Burkhardt, A. May 2016 Opioid Review panelist, Patient-Centered Outcomes Research Institute (PCORI), Arlington, VA.,
Burkhardt, A. May 2016 FDA Patient Representative training/ Opioid Review projects, Bethesda, MD
Clarke, C. APhA Foundation Incentive Grants
Huey, K. U.S. Army and the Army Medical Research and Materiel Command, Military Medical Research and Development
Mengesha, A. AACP 2016-2017 New Investigator Award

CURRENT PROFESSIONAL MEMBERSHIPS:

Allen's Cognitive Network
ALS Society
American Association for Advancement of Science
American Association of Biochemistry and Molecular Biology
American Association of Colleges of Pharmacy (AACP)
American Association of Diabetes Educators
American Association of Pharmaceutical Scientists (AAPS)
American College of Clinical Pharmacy (ACCP)
American College of Sports Medicine
American Economic Association (AEA) - Member
American Epilepsy Society
American Heart Association
American Institute on the History of Pharmacy (AIHP)
American Interprofessional Health Collaborative
American Occupational Therapy Association (AOTA)
American Occupational Therapy Foundation (APTF)
American Pharmacists Association (APhA)
American Physiological Society
American Physiological Society
American Society for Microbiology
American Society of Consultant Pharmacists (ASCP)
American Society of Hand Therapists
American Society of Health Systems Pharmacists
American Society of Microbiology
American Sociological Association (ASA)
Association of Biochemistry Educators
Christian Pharmacists Fellowship International
College of Psychiatric and Neurologic Pharmacists
Des Moines Young Professionals
Ethiopian Pharmaceutical Association (EPA)
Geriatric Pharmacy Educators/Researchers Council
German Pharmaceutical Society (DPhG)
Gerontological Society of America
Heartland Global Health Consortium
History Circle
HOSA for Future Health Professionals, 2016-present
International Cannabis Research Society
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 Professional Pharmacy Fraternity
Lambda Kappa Sigma
National Association of Home Builders
Nebraska Occupational Therapy Association (NOTA)
New York State Occupational Therapy Association
Pediatric Pharmacy Advocacy Group (PPAG)
Phi Delta Chi Professional Pharmacy Fraternity
Phi Lambda Sigma National Leadership Society
Professional Association of Therapeutic Horsemanship International
Rho Chi Pharmaceutical Honor Society
Society of Critical Care Medicine (SCCM)
Society of Environmental Toxicology and Chemistry (SETAC)
Society of Infectious Diseases Pharmacists
Society of Public Health Education, 2015-present
Society of Toxicology (SOT)
State of Iowa Electronic Health Information Advisory Council
Team-Based Learning Collaborative
World Federation of Occupational Therapy