

April 16, 2021

Dear Colleagues:

The Drake College of Pharmacy and Health Sciences would like to provide you with a summary of its scholarly activities for CY 2020. Highlights of the attached report include:

- 38 PEER-REVIEWED ARTICLES
- 33 PEER-REVIEWED PODIUM PRESENTATIONS
- 52 PEER-REVIEWED POSTERS
- 1 INVITED ARTICLES/COLUMNS
- 80 INVITED PODIUM PRESENTATIONS
- 16 INVITED POSTERS
- 8 BOOK CHAPTERS
- 5 TECHNICAL/CONSULTING REPORTS
- 77 UNDERGRADUATE/PROFESSIONAL STUDENT RESEARCH PROJECTS (MULTIPLE STUDENTS)
- 21 NEW GRANTS/CONTRACTS TOTALING **\$640,728 ***

*Does not include multi-year funding with start dates prior to 2020 or grants from other institutions.

This report does not include many of the local, regional and national service accomplishments, practice advancements, or instructional work of the faculty.

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 2020

(COMPLETED WORK)

PEER REVIEWED ARTICLES: (38¹)

Al-Khatib, A, **Andreski, M**, Pudlo, A, Doucette, W, "An evaluation of community pharmacies' actions under value-based payment." Published: June 26, 2020 DOI: <https://doi.org/10.1016/j.japh.2020.06.014>

Andreski, M, Martin, E, Brouner, V, Sorum, S, "Advancing Community Pharmacy Practice – A Technician Product Verification Pilot to Optimize Care", *Innovations in Pharmacy*, 2020 April;11(2) DOI: <https://doi.org/10.24926/iip.v11i2.2340>

Chen A, Armbruster AL, Buckley B, Campbell JA, Dang DK, Devraj R, Drame I, Edwards A, **Haack S**, Ma Q, Petry N, Planas LG, Sadowski CA, Santee J, Wade L, Borja-Hart N. Curricular Inclusion of Health Disparities/Cultural Competence and Health Literacy in U.S. and Canadian Pharmacy Programs. *American Journal of Pharmaceutical Education* 2020; 84 (12).

Clarke C, Cooper R. Impact of Advanced Pharmacy Practice Experiences on Residency Interview Invitations. *American Journal of Pharmaceutical Education*. 2020; 84 (2) Article 7575.

Craun K, Ekena J, **Sacco J**, Jiang T, Motsinger-Reif A, Trepanier LA. 2020. Genetic and environmental risk for lymphoma in boxer dogs. *J Vet Intern Med* 34:2068-2077.

(Daul B), (Petersen G), **Butler, J**, Apixaban-Induced Leukocytoclastic Vasculitis, *Am J Health Syst Phar*, 2020, Sept. 1; 77(17):1389-92

Diehl B, Dy-Boarman E, Bottenberg MM, Mobley-Bukstein W, (Patel, A). Using a design-based research framework to refine a desirable difficulties activity for sterile compounding in a skills-based laboratory course. *Currents in Pharmacy Teaching and Learning*. 2020 Feb;12(2):189-192.

Drapeaux, A. & Carlson, K (2020). A comparison of inertial motion capture systems: DorsaVi and Xsens. *International Journal of Kinesiology and Sports Science*. 8(3) 24-27.

Engle JP, Dick T, **Bryant G**, Ciolek A, Crismon ML, Fisher J, Lasota S, Leary MH, Sikora Newsome A, Thrasher K, Ward J. ACCP White Paper: Credentialing and privileging for clinical pharmacists. *J Am Coll Clin Pharm*. 2020;3:133-144.

(Enzmann M), (Reiter D), **Grady S***, **Ulrich E**. Decreasing Stigma Surrounding Alcohol Use Disorder. *Currents in Pharmacy Teaching and Learning* 2020, 13(1): 36-41; <https://doi.org/10.1016/j.cptl.2020.08.001>

(Freier E), **Kassel LE**, Rand J, Chinnakotla B. "Estrogen-Induced Gallstone Pancreatitis in a Transgender Female". *AJHP*. Accepted 12/4/2020.

Gnacinski, S.L. (2020). Mental recovery strategies aimed at optimizing training and occupational performance. *TSAC Report*, 59, 18-21.

Gnacinski, S.L., Nai, M.M., **Brady, M.**, Meyer, B.B., & **Newman, N.** (2020). An examination of athletic trainers' occupational recovery experience during time after work. *Journal of Athletic Training*, 55(5), 532-537. (Impact Factor = 2.224). <https://doi.org/10.4085/1062-6050-26-18>

Gray HN, **Williams RM**, Valovich McLeod TC, Bay RC. Establishing Reliability of a Reaction Time Testing Battery in High School Athletes. *Athletic Training and Sports HealthCare*. [Advanced online publication]

Gutierrez, C. (2020). Improving the care of students with diabetes in rural schools utilizing an online diabetes education program for school personnel. *Rural and Remote Health*, 20(1):5596. doi: 10.22605/RRH5596.

Gutierrez, C., & Johnston, S. P. (2020). Fit for population health service: Assessing the change in public health competencies of interprofessional undergraduate health sciences students. *International Journal of Health Sciences Education*, 7(1), 1 -10.

Gutierrez, C., Rupe, E., Reed, C., & Wolff, B. (2020). Increasing the knowledge and confidence of young adults to administer bystander care in rural areas through compression-only CPR mini training sessions. *Online Journal of Rural Nursing and Health Care*.

Gutierrez, C., Vogt, B., Giger, J., Lemke, J., & Memmott, J. (2020). Lessons learned from designing curriculum and fostering university-community collaborations to implement a lay patient advocate training in tribal communities. *Collaborations: A Journal of Community-Based Research and Practice*, 3(1): 6, 1–13. <https://doi.org/10.33596/coll.48>

¹ Student co-authors are in parentheses

Higbea A, Bald E*, Isaacs AN, Richter SK, Stamm PL, **Kassel LE**. "Forging Ahead from Adaptations of Teaching during the COVID-19 Pandemic: Perspectives from Multiple Pharmacy Programs." *J Am Coll Clin Pharm*. 2020;*(**):1-12. DOI: 1002/jac5.1349

Jhawar A, Parmentier BL, **Grady SE**. Part I: Optimizing treatment with antidepressants. *J Am Coll Clin Pharm*. 2020;3:550-553.

Johnson C, Newsom L, **Butler J**, TBL and Knowledge Retention: Are We Doing Enough? Pulses -Currents in Pharmacy Teaching and Learning. April 2020.

Kassel LE, (Hutton A), Zumach G, Rand J. "Systematic Review of Perioperative Use of Immunosuppressive Agents in Patients Undergoing Bariatric Surgery". *SOARD* 2020;16:144-57.

Kearney K., Puglisi M., Black E. and **Mahajan P**. What do pharmacy students need to know about biochemistry? 2020; *Pharma. Edu.* 20(1); 324-335.

McFadgen K, Jensen N, **Mahajan PB**. 'Application of pharmacogenomics for trauma and critical care patients: A case report' *Trauma Case Reports*. 2019; 24:100266.

Munusamy S and Nelson M. Blending activities of cognitive ease and cognitive strain: A balanced recipe to better engage students in the classroom. *Curr Pharm Teaching and Learning Pulse Blog*. Aug 26, 2020. Published online at <https://cptlpulses.com/2020/08/26/cognitive-ease-strain/>.

Nelson M, Tweddell S. Outcomes of Implementing Team-Based Learning (TBL): The Experiences of UK Educators. *Student Engagement in Higher Education Journal*. 2020;3(1):198-212.

Pitlick JM, Bryant GA, Daly MW, Koenigsfeld CF, Lehman N, (Brueggen K), (McCormick A), (Wellington K). Real-World Evaluation of Dosing in Patients Converted from Insulin Glargine (Lantus) to Insulin Glargine (Basaglar). *Ann Pharmacother*. 2020 Sep;54(9):846-851. (PMID: 32037850)

Plutschack, D., & Allen-McHugh, R. (2020). Effect of yoga and ergonomic interventions on stress and AROM for employees in sedentary work environments. *Archives of Physical Medicine and Rehabilitation*, 101(11). doi: 10.1016/j.apmr.2020.09.168

Ramasamy T, **Munusamy S**, Ruttala HB, Kim JO. Smart Nanocarriers for the Delivery of Nucleic Acid-based Therapeutics: A Comprehensive Review [published online ahead of print, 2020 Jul 23]. *Biotechnol J*. 2020; e1900408. doi:10.1002/biot.201900408

Rovers J, (Becker M), **Andreski M**, Gray J. Short Term Experiences in Global Health: What is the Cost of Cultural Competence? *Medical Science Educator* volume 30, pages927–932 (2020).

Rovers, J, Andreski, M, Becker, M, Gray, J, "Short-term medical service trips: what is the cost of patient care and student training?", *International Health*, 2019, 00:1-4; <https://doi.org/10.1093/inthealth/ihz110>

Satterfield JS, **Miesner AR**, Percival KM. The Role of Education in Antimicrobial Stewardship: A Review. *J Hosp Infect*. 2020;105(2):130-41.

(Sauer HE), Nguyen ML, Williams JD, Bowlin TL, **Gentry BG**. Biosynthesis and Half-Life of MBX-2168-Triphosphate in Herpes Virus-Infected Cells. *Antiviral Research* 175: 104713 (2020).

Stauffer R, **Pitlick JM**, Challen L. Impact of an electronic-based assessment of student pharmacist performance in a required therapeutics course. *Currents in Pharmacy Teaching and Learning*. 2020; 12: 287-90.

Vossler DG, Bainbridge JL, Boggs JG, Novotny EJ, Loddenkemper T, Faught E, Amengual-Gual M, Fischer SN, David S. Gloss DS, Donald M. Olson DM, Alan R. Towne AR, Naritoku D, **Welty TE**. Treatment of Refractory Convulsive Status Epilepticus: A Comprehensive Review by the American Epilepsy Society Treatments Committee. *Epilepsy Curr*2020; 20(5):245-264.

Wahl, C.A., **Gnacinski, S.L.**, Nai, M.M., & Meyer, B.B. (2020). Psychological predictors of perceived stress and recovery in sport. *Sport, Exercise, and Performance Psychology*, 9(3), 292-307. (Impact Factor = 1.714). <https://psycnet.apa.org/doiLanding?doi=10.1037%2Fspy0000175>

Wall GC, Sharma V, Taylor MJ, Schneider R, Adams K, Gasperi L, Lukenbill JC. Retrospective Safety Evaluation of a Pharmacist-Assisted Total Dose Iron Sucrose Protocol in Hospital Inpatients With Iron Deficiency Anemia. *J Pharm Pract*. 2019 Oct 30:897190019885239. doi: 10.1177/0897190019885239. Epub ahead of print. PMID: 31665957.

Williams RM, Johnson RS, Valier AR, Bay RC, Valovich McLeod TC. The Impact of Concussion on Health Related Quality of Life as Measured by the Patient-Reported Outcome Measures Information Systems in Adolescent Athletes. *Journal of Sports Rehabilitation*. [Advanced Online Publication]. <https://doi.org/10.1123/jsr.2019-0517>.

PEER REVIEWED PODIUM PRESENTATIONS: (33)

Allen-McHugh, R. D. Accepted oral presentation, April 2020. Using CO-OP to facilitate life skills in transition age clients. Count Me In! 2020 Conference, Newcastle, England (Cancelled due to Covid-19 pandemic.)

Allen-McHugh, R. D. Accepted oral presentation, April 27, 2020. On my own: Training life skills for transition age clients. 24th Annual MACMH Child & Mental Health Conference, Duluth, MN (Cancelled due to the Covid-19 pandemic.)

Allen-McHugh, R. D. and Johnson, S. P. Accepted oral presentation, September 2020. Mindful resilience: Addressing occupational deprivation as an unintended consequence. COTEC-ENOTE Congress 2020, Prague, Czech Republic (Cancelled due to Covid-19 pandemic.)

Allen-McHugh, R. D. The healthy home office: considerations for movement, positioning, and mindfulness. Virtual Podium Session. Iowa Occupational Therapy Association Virtual Conference. September 25, 2020; Des Moines, IA

Anderson, C., Perkins-Nerlich, A., **Johnston, S. P.**, Robinson, M., Shelman, P., Hartley, M., & Peterson, S. (July, 2020). NCRE Panel Presentation: Rehab Counseling Leadership Forum: Promoting Equity and Unity through Collaborative Advocacy Efforts in Rehabilitation Counseling. Presentation for the National Rehabilitation Educators Spring Conference, virtual.

Borchert J, Borja-Hart N, Brown M, **Hansen A**, Gonyeau M. "Finding your Best 'Yes' for Success and Wellbeing: A guide for faculty in clinical practice." AACP Annual Meeting Session, Long Beach, California. July 2020.

Chesnut R. Moving the Profession Forward through Strategic Partnerships. American Association of Colleges of Pharmacy, San Juan, PR, Feb. 2020.

Clarke C. Why Did the Patient Do That? Understanding How Social Determinants of Health Influence Patient Decisions, CEImpact, <https://www.ceimpact.com>, posted February 2020.

Daly MW. Christenson J. HIT Me with Your Best Shot: Informatics Resources for Preceptors Who Are Not Informatics Specialists. Invited Presentation for CE credit. ASHP National Pharmacy Preceptors Conference. Virtual Conference. October 2020.

Fischbach, J. and **Allen-McHugh, R.** (Accepted workshop March 26, 2020). Assessments in pediatric telehealth. Technology Workshop. American Occupational Therapy 2020 Conference. Boston, MA (Cancelled due to the Covid-19 pandemic.)

Fischbach, J., **Allen-McHugh, R.**, (Behrends, C., Zemke, K., Cruz, L., Drummond, C., Whillock, A., Huedepohl, H., Brady, L., Fratzke, R., & Hubby, D.) (2020, April 14). Assessments in pediatric telehealth: Part 1 [Webinar]. In AOTA Continuing Education. Retrieved from:

https://myaota.aota.org/shop_aota/product/OL7059?utm_source=OTPP%2D4%2D14%2D2020&utm_medium=email&utm_campaign=Focusing%20on%20Well%2DBeing%20in%20the%20OT%20Community

Fischbach, J., **Allen-McHugh, R.**, (Behrends, C., Zemke, K., Cruz, L., Drummond, C., Whillock, A., Huedepohl, H., Brady, L., Fratzke, R., & Hubby, D.) (2020, April 30). Assessments in pediatric telehealth: Part 2 [Webinar]. In AOTA Continuing Education. Retrieved from:

https://myaota.aota.org/shop_aota/product/OL7059?utm_source=OTPP%2D4%2D14%2D2020&utm_medium=email&utm_campaign=Focusing%20on%20Well%2DBeing%20in%20the%20OT%20Community

Gassman J, **Haack S**, Shields E. Beliefs, Skills & Practices of Service-Learning: Perspectives from University & Community Partners. Campus Compact Annual Conference. Accepted. Not presented due to conference cancelation in April 2020 due to COVID.

Haack S, Salazar LL. Teamwork, Challenges & Service-Learning: A Virtual Classroom in Mexico and the United States. AAC&U Conference on Global Learning: Lessons on Global Learning from High Education's Response to a Global Crisis. Virtual Conference. October 10, 2020.

Hove, K. & Wuebker, M. Taking the Driver's Seat: OT's Role in Driver Rehabilitation. Iowa Occupational Therapy Association Annual Conference. September 2020. Des Moines, IA.

Huey, K. PBL/TBL:Teaching/Writing Clinical/Applied Cases Scheduled for invited presentation:Institute for Teaching and Learning, Minneapolis, MN, June 22-26, 2020.

Huxel Bliven KC, Snyder Valier AR, Morris SN, **Williams RM.** Non- Time Loss and Time Loss Injuries in Secondary School Girls' Volleyball Athletes: A Report from the National Athletic Treatment Injury, and Outcomes Network. Presented at the National Athletic Trainers Association Annual Symposium. July 2020.

Johnson, S. P., and Perkins-Nerlich, A. (July, 2020). Addressing health disparities for people with disabilities through advocacy and interprofessional collaboration. Presentation for the National Rehabilitation Educators Spring Conference, virtual.

Johnston, S.P. (October, 2020). "I see ghosts": Cultural considerations related to mental health and gender-based domestic violence in Peru. Presentation for the American Public Health Association (APHA) annual conference. San Francisco, CA, virtual.

Kjos, A.L. and Gnacinski, S.L. Professionalism: Friend and foe in attaining a patient-centered healthcare system. Presented at the Human/E Health & Healthcare Symposium: Kingfisher Institute for the Liberal Arts and Professions at Creighton University; Oct. 24, 2020; Virtual Conference.

Kjos, A.L. The Role of Health Professions Code of Ethics and Professionalism. Presented at: Eastern Sociological Society Annual Meeting, Conference on Sociology of Health Professions' Education; February 29, 2020; Philadelphia, PA.

Kuhl, N. Winchester, T., & Dotson, A. (September, 2020, virtual). Wheelchair Seating and Positioning for the Occasional Prescriber. Recorded presentation. Iowa Occupational Therapy Association 2020 Fall Conference.

Kuhl, N., Johnston, S. P., & Plutschack, D. (September, 2020, virtual). Addressing Professional Burnout during the Post-acute Phase of the COVID-19. Recorded presentation. Iowa Occupational Therapy Association 2020 Fall Conference.

Kuhl, N., Johnston, S. P., & Plutschack, D. (September, 2020, virtual). The Impact of COVID-19 on Occupational Therapy Practitioners in the Midwest. Recorded poster presentation. Iowa Occupational Therapy Association 2020 Fall Conference.

Lehman N. Exciting Advances in CGM Tech. Presented at: APhA Virtual Annual Meeting; April 2020.

Miesner AR, Hellwig T, Wiedenfeld S. Chronic Care Management: Focus on Anticoagulation. Presented at the 2020 Midwest Pharmacy Expo; February 7, 2020; Des Moines, IA.

Mobley-Bukstein W, Sisson E. Top Mobile Apps in Diabetes Management. Presented at APhA 2020 Virtual Annual Meeting March 2020.

Newman, N. (2020, March). A unique partnership for research and clinical education in professional programs. Accepted for presentation at Mid-American Athletic Trainers' Association Symposium, Omaha, NE. Canceled due to COVID-19 pandemic.

(*Olstinske K), (Karch C), (Frantz R), Carnevale K, **Munusamy S.** Protective Effects of Low-dose Metformin Treatment in a Mouse Model of Diabetic Kidney Disease. 25th Annual Meeting of the Iowa Physiological Society, 2020, Des Moines, IA. (*Student Researcher Oral Presentation)

Plutschack, D. and Allen-McHugh, R. D. (October 22, 2020). Effect of yoga and ergonomic interventions on stress and arom for employees in sedentary work environments. Published abstract. American Congress of Rehabilitation Medicine. 2020 Virtual Conference. Accepted and presented.

Plutschack, D., Kuhl, N., (Socarras, R.) (September 25, 2020). Fostering occupational therapy education in a digital age. Iowa Occupational Therapy Association Conference 2020. Virtual Conference.

Suda, K., Scarsi, K., **Chesnut, R.,** A Tale of Two Classmates: Getting Your First R01. American Association of Colleges of Pharmacy Special Session, July 2020. (Withdrawn due to COVID).

Wuebker M, Hove, K. Taking the Driver's Seat: OT's Role in Driver Rehabilitation, Iowa Occupational Therapy Association Conference, Virtual, September 25th, 2020.

PEER REVIEWED POSTERS: (52)

(Ake N), Hoerres A, Owens C, **Sacco J.** Genetic Determinants of Erythrocyte Glutathione S-Transferase Pi Activity and Kinetics in Dogs. Poster presented at the 2020 Des Moines University Research Symposium, Des Moines, IA, December 3rd, 2020.

Allen-McHugh, R. D. (Accepted poster presentation, September 2020). Student Resilience Through Faculty Supervised Clinical Models: Facilitating Competence and Confidence. COTEC-ENOTE Congress 2020, Prague, Czech Republic (Cancelled due to Covid-19 pandemic.)

Andreski M, Doucette W, Pudlo A, Community Pharmacy Activities and Perception of Success in a Value Based Program. Virtual Poster presented at the 166th Annual Meeting of the American Pharmacists Association, March, 2020

(Cruz L), (Zemke K), **Allen-McHugh R**, **Johnston S**, **Rovers J**. "Go to the doctor to get well": An interprofessional and international project focused on the health and wellness of Belizean men. Poster Presented at 12th Annual Heartland Global Health Conference. November 5, 2020. Des Moines, IA.

(Denkler H, Lane D, Mills H), **Wuebker M**. Fieldwork Educators' Perceptions and Use of Occupation-Based Practice in a Fieldwork Setting, American Occupational Therapy Conference, Virtual, March 27, 2020.

(Dietz R), **Sacco J**. Erythrocyte Glutathione Transferase Activity in Cats. Flash talk presented at the Annual Meeting of the Central States Chapter of the Society of Toxicology, KUMC, Kansas City, KS, October 15th-16th, 2020.

(Dietz R), **Sacco J**. Erythrocyte Glutathione Transferase Activity in Cats. Poster presented at the 2020 Des Moines University Research Symposium, Des Moines, IA, December 3rd, 2020.

Drapeaux, A. (2020). The Effects of Manual Therapy on Joint Kinematics on Running- A Single Subject Case Study. Iowa Physical Therapy Association Spring Conference (Virtual).

Fischbach, J. and **Allen-McHugh, R**. (Accepted poster presentation March 28, 2020). Documenting change in pediatric feeding clients. Poster presentation. American Occupational Therapy 2020 Conference. Boston, MA (Cancelled due to the Covid-19 pandemic.)

(Gacek, A.), (Hickman, J.), (Jacobs, J.), (Rose, R.), (Valasek, W.) & **Griffiths, Y**. Using historical inquiry methods to uncover the development of a new entry level OTD program. Accepted for American Occupational Therapy Association 99th Annual Conference. Boston, MA. March 2020. Presented virtually May 2020. (2020).

Gnacinski, S.L., (Sehmer, M.N.), (Porter, F.J.), (Roehers, F.G.), & (Lerner, L.) Examining the effect of a repeated sprint exercise protocol on anaerobic power and recovery among active-duty police officers. Abstract submitted for consideration at the annual meeting for the National Strength and Conditioning Association. Las Vegas, NV, USA. (2020, July).

Gray JP, Williams LM, Aleksunes LM, Hardey D, **Sacco J**, Slotter ED, Curran CP. Expanding the Reach of Undergraduate Education Programs at Regional Meetings.: Model Programs at Four Regional SOT Chapters. Poster accepted for presentation at the Annual Meeting of the Society of Toxicology, Anaheim CA, March 15th-19th, 2020.

Griffiths, Y & Wandel, J. (2020). Tips to master the accreditation process for OTD program development. Accepted for American Occupational Therapy Association 99th Annual Conference. Boston, MA. March 2020.

Gutierrez, C., & Johnston, S. (2020). Assessing public health competencies of rural OTD students. National Rural Health Association Annual Conference. Accepted but not presented due to COVID-19.

Hove, K., Jones, J., (Mock, E.), (Roe, M.), (Brown, C.) & (Schulz, L). Implementation of Biofeedback Interventions for the Treatment of Adults With Post-Concussion Syndrome. American Occupational Therapy Association Annual Conference. Accepted Presentation-Conference Canceled due to Pandemic. April, 2020

Huey, KA, (Temperly, M.), and (Conroy, Z). Statin Treatment Attenuates Muscular and Cardiorespiratory Adaptations to Treadmill Training in Mice. Poster accepted to be presented at Experimental Biology, April 4-7, 2020. San Diego CA

Huey, KA, (Temperly, M.), (Conroy, Z), Echevarria, K, and R. Valentine. Effects of Angiotensin Receptor Blockade on Overload-Induced Muscle Growth and Function in Mice. Poster accepted to be presented at National American College of Sports Medicine Meeting, May 26-31, 2020, San Francisco, CA.

Isaacs AN, Steuber TD, Howard ML, **Dy-Boorman EA**, Nisly SA. Impact of Advanced Pharmacy Practice Experiences on Student Pharmacist Metacognition. Presented at: American College of Clinical Pharmacy Annual Meeting. October 2020; online.

Jeghers M, Winter S, **Wuebker, M**. Best Practices to Address Driver Readiness Among Teens with Autism Spectrum Disorder: A Scoping Review, ADED Conference, Virtual, July 26th, 2020.

(Jones C), **Lynn Kassel, Abebe Mengesha**. Chiral HPLC Method to Determine the D-/L-Epinephrine Ratio in Expired Epinephrine Autoinjectors. Poster presented at: AAPS 2020 PharmSci360 Annual Meeting and Exposition. Oct. 26 – Nov. 5, 2020.

Kassel L, Pitlick JM, Hadsall K, Daly M. Predicting consistent decreases in the amount of insulin a patient uses after bariatric surgery. Poster Presentation. J Am Coll Clin Pharm. 2020;3:203-4.

Kuhl, N., Johnston, S. P., & Plutschack, D. (October, 2020, virtual). The Impact of COVID-19 on Inpatient Medical Professionals in the United States. Recorded poster presentation for the American Congress of Rehabilitative Medicine's 97th Annual Fall Conference.

Kuhl, N., Johnston, S. P., & Plutschack, D. (September, 2020, virtual). The Impact of COVID-19 on Occupational Therapy Practitioners in the Midwest. Recorded poster presentation. Iowa Occupational Therapy Association 2020 Fall Conference.

Magee M, **Kassel LE**. Incidence of new symptomatic venous thromboembolism in COVID-19 patients. ASHP MidYear 2020. Online.

Mengesha A, (Jones C), **Kassel LE**. Chiral HPLC Method to Determine the D-/L-Epinephrine Ratio in Expired Epinephrine Autoinjectors. 2020 AAPS PharmSci 360, October 26-November 5, 2020. Online.

Meyer KS. Appropriateness of Anticoagulant Therapy in Older Adults Residing in a Long-Term Care Facility. Poster accepted (not able to present), ASCP Annual Meeting, Orlando, Florida, November 2020.

Miesner AR. Pharmacy student podcast presentations on an internal medicine rotation: a 5 year experience. Poster presented at the American College of Clinical Pharmacy Annual Meeting; October 27, 2020; virtual.

(Monzel C), **Eastman DK**, Spilman SK, Pelaez CA. Gabapentin hits a nerve with opioid use in rib fracture patients. Poster presentation at the 2020 ACCP Annual Meeting. Virtual. October 2020. Won Best Student Poster award.

Munusamy S, (Karch C), (Frantz R), Carnevale K. Low-Dose Metformin Treatment Ameliorates Renal Dysfunction and Fibrosis in a Mouse Model of Diabetic Nephropathy. The FASEB Journal. 2020; 34 (1 Supplement), 05367. (Accepted for poster presentation at the Experimental Biology Conference 2020, San Diego, CA).

Plutschack, D. (accepted for presentation for March 26, 2020). Support group for adults with vestibular dysfunction. Poster presentation. American Occupational Therapy Association 2020 Conference. Boston, MA. Canceled due to COVID-19 pandemic.

Plutschack, D. & Allen-McHugh, R. (October, 2020). Effect of yoga and ergonomic interventions on stress and AROM for employees in sedentary work environments. Poster presentation. American Congress of Rehabilitation Medicine 2020 Conference. Virtual Conference.

Plutschack, D. & Allen-McHugh. (accepted for presentation for March 27, 2020). Yoga & ergonomics in sedentary workplaces. Poster presentation. American Occupational Therapy Association 2020 Conference. Boston, MA. Canceled due to COVID-19 pandemic.

Plutschack, D., Allen-McHugh, R. D., and (Huss, K.) Comparing yoga and ergonomic interventions for graduate level occupational therapy students. Poster presentation. Iowa Occupational Therapy Association Virtual Conference. September 25, 2020; Des Moines, IA

(Porter, F.J.), **Gnacinski, S.L.**, (Sehmer, M.N.), (Roehrs, F.G.), & (Lerner, L.). Physical fitness predictors of functional movement in active-duty police officers. Abstract submitted for consideration at the annual meeting for the National Strength and Conditioning Association. Las Vegas, NV, USA. (2020, July)

Schott K, **Clarke C, Meyer K**. "Utilizing a Mentored Teaching Experience to Improve Preceptor Feedback Skills." American Association of Colleges of Pharmacy Leadership SIG Virtual Poster Symposium, Virtual Meeting, June 5, 2020. SELECTED BEST POSTER

Schott K, Cooper RC, **Nelson M, Clarke C**. The Impact of Co-Curricular Engagement on Doctor of Pharmacy Students' Professional Development. American Association of Colleges of Pharmacy 2020 Annual Meeting, 2020, Virtual Meeting, July 14-25, 2020.

(Schroeder R), **Abebe Mengesha**. Monoglyceride-Based Thermally Sensitive Drug Delivery System. Poster presented at: AAPS 2020 PharmSci360 Annual Meeting and Exposition. Oct. 26 – Nov. 5, 2020.

(Sehmer, M.N.), **Gnacinski, S.L.**, (Porter, F.J.), (Lerner, L.), & (Roehrs, F.G.). Examining limb asymmetries in dynamic balance among active duty police officers. Abstract submitted for consideration at the annual meeting for the National Strength and Conditioning Association. Las Vegas, NV, USA. (2020, July)

Shtaynberg J, Skrabal M, Oswald C, **Clarke C**, Clauson A, Gilliam E, Jarrett J, et al. Assessment of APPE Grading Schemes used by ACPE Accredited Pharmacy Schools and Colleges. 2020 American College of Clinical Pharmacy Annual Meeting, Virtual Meeting, October 24-27, 2020.

Stricker S, Miller H, **Mahajan P, Stelter N, Mobley-Bukstein W**, Ross N. Exploring complementary approaches to pain management. 12th Annual Heartland Global Health Conference. Des Moines, IA. November 2020.

(Timmons N), **Brady MP, Williams RM**. The use of synthetic ankle models in athletic training education prepares students for patient scenarios: a pilot study. Presented at: 2020 Virtual Des Moines University Research Symposium. December 3 2020.

(Upton J.), Kassel L, Hansen A, Butler J. "Examining the big 8 social identities of patient diversity through cases presented in a Therapeutics Course Series." American Society of Health System Pharmacists Mid-Year Meeting. December 2020.

(Upton J.), Kassel L, Hansen A, Butler J. "The Big 8: Examining Patient Diversity in Cases Utilized in a Therapeutics Course Series." American Association of Colleges of Pharmacy Annual Meeting. July 2020.

Urish, C. March 2020 – AOTA Annual Conference 2020 Boston, MA - Pre-Conference Institute - What's Wrong With Lauren? Youth Mental Health First Aid: A Program for Adults Assisting Young People co facilitator with Megan E. Dougherty from The Ohio State University, Columbus, OH. -Presentation accepted, conference cancelled due to COVID-19

Urish, C. March 2020 – AOTA Annual Conference 2020 – Boston, MA – Poster Presentation – Successful Doctoral Capstone Experience: Planning, Process & Implementation – Exceptional Experiences From the Field, co-presenter with Asfia Mohammed from MD Anderson Cancer Treatment Center, Houston, TX, Presentation accepted, conference cancelled due to COVID-19

(Vollmer KJ), (Hagan NR), (Sauer HE), (Burns AC), Williams JD, Komazin-Meredith G, Nguyen ML, Busch MG, Bowlin TL, **Gentry BG**, Removal of a Moiety from the Guanine Ring of the Antiviral Prodrug MBX-2168 and Subsequent Phosphorylation to a Triphosphate Produces an Active Compound that Inhibits the Cytomegalovirus-Encoded DNA Polymerase. 33rd Annual International Conference on Antiviral Research (2020).

Wall, GC; Smith, HL Trump, MW; Mohr, J; Dumontier, SL; Sabates, R; Ganapathiraju, I; Kable, T.. Assessment of the effectiveness of a standardized bowel protocol in MICU patients." Presented at the annual Society of Chest Physicians meeting (virtual) 2020.

(Wedemeyer R), (Buerher T), **Pitlick JM**. Analysis of Diabetes Busters program impact on 4th grade students' diabetes knowledge. Iowa Pharmacy Association Virtual Annual Meeting, Online, September 14 – 18th, 2020.

(Wedemeyer R), (Buerher T), **Pitlick JM**. Analysis of Diabetes Busters program impact on 4th grade students' diabetes knowledge. Encore presentation at American Society of Health-System Pharmacists Midyear Clinical Meeting and Exhibition, virtual; December 2020.

Wersal, J., **Hove, K.**, & Classen, S. A Scoping Review: Examining acquired brain injury interventions for fitness to drive. The Association for Driver Rehabilitation Specialists Annual Conference. Virtual Conference. July 28, 2020

Williams RM, Johnson RS, Snyder Valier AR, Bay RC, Valovich McLeod TC. Evaluating Multiple Domains of Health in High School Athletes with Sport-Related Concussion. Presented at the 6th International PROMIS Conference. Virtual October 2020. [Accepted for Virtual Poster Presentation]

Williams RM, Welch Bacon CE, Snyder Valier AR, Lewis JH, Bay RC, Picha KJ. Athletic Trainers' Perceptions of Social Determinants of Health. Submitted to the Virtual National Athletic Trainers Association Annual Symposium. July 2020 [Accepted for Virtual Presentation].

BOOK CHAPTERS: (8)

Bottenberg MM, Bryant GA, Butler J. Gout. In: Sutton SS, Ed. Naplex Review 4rd Ed, New York, NY: McGraw-Hill; In Press, 2020.

Hemphill-Pearson, B., & **Urish, C.K.** (2020). Occupational therapy assessments in mental health 4th ed.). Thorofare, NJ: Slack, Inc.

Johnston, S.P. & Lingle, S. (2020). Career counseling for individuals recovering from substance abuse. In R. Sametz and M. Joseph (Eds.), Career Counseling: A Holistic View of Lifespan and Special Populations (pp. 179-193). San Diego, CA: Cognella.

Kassel LE, Rand JE. Chapter 11: Bariatric Surgery. Hughes: A Medication Guide to Internal Medicine Tests and Procedures. Editor: Gregory J Hughes. In press (Elsevier), Anticipated 2021

Maki ED, Chapter 106 – Gout and Hyperuricemia. In: Schwinghammer TL et al, eds. Pharmacotherapy Casebook: A Patient-Focused Approach. 11th ed. New York: McGraw-Hill, 2020, April 2020

Rovers J, Ulrich E. Ethical decision-making in Global Health: When cultures clash. In: Covvey JR, Arya V, Gilman N, Herring M, Lukas S, Ochs L, Waddington L, eds. Public health in pharmacy practice: a casebook. Genesco, NY: Open SUNY Textbooks; 2020.

Stelter N. Minor Burns, Wounds, and Sunburn. In: Krinsky D. Handbook of Nonprescription Drugs. An Interactive Approach to Self-Care. 20th ed. American Pharmacists Association, 2020.

Welty TE, Faught E. Epilepsy. In Wells B ed. Pharmacotherapy: Principles and Practice 1st, 2nd, 3rd, 4th, 5th ed. McGraw Hill. Baltimore, 2008, 2009, 2013, 2017, 2021.

NON-PEER REVIEWED ARTICLES: (0)

NON-PEER REVIEWED COLUMNS: (1)

Huey, K.A. (2020) Will you be a fitness trendsetter this year? (<https://ispyphysiology.com/2020/01/29/will-you-be-a-fitness-trendsetter-this-year/>) January 30, 2020

INVITED/NON-PEER REVIEWED PODIUM PRESENTATIONS: (80)

Andreski M, Doucette W, Pudlo A, "Evaluating a Value-Based Pharmacy Program". Presented to the Wellmark Value Based Pharmacy Summit, Des Moines, IA on February 27, 2020

Bhargava A, **Pitlick JM**. Filling the gaps in diabetes care in Iowa. Iowa Department of Public Health Diabetes Statewide Strategy Meeting. Des Moines, Iowa. September, 2020.

Bhargava A, **Pitlick JM**. Transforming diabetes care through a patient-centered, healthcare practitioner-friendly hybrid care management system. Type 1 Diabetes Exchange. Tampa Bay, Florida. March 2020 (canceled due to COVID-19).

Clarke, C, Butler, J, Kassel, L, Cantrell, M, Gravert, J. Health-System Leadership Forum-IPA: How to Ensure APPE Students Still Have Meaningful Experiences in the COVID-19 Era, October 2020

Chesnut, R., Hove, K., Lang, J. & Newman, N. College of Pharmacy and Health Sciences. Invited to speak to Buena Vista University class. October, 2020. Completed virtually.

Drapeaux, A. PAO: Outcomes of patient education research design presentation. Young Adult Hip Conference- University of Iowa Carver College of Medicine. July 2020; Virtual Presentation

Drapeaux, A. Regeneration Medicine Presentation. Senior Fellow FUTURE Biomedicine Program July 2020 Virtual Poster Presentation

Ensminger, M. & **Johnston, S.P.** (2020, November). Virtual global service-learning projects: Addressing Men's Health in Belize. Webinar presentation for TTUHSC Online Global Learning Opportunities Working Group, virtual.

Gentry, BG. What is SARS-CoV-2 and what are we doing about it? A Perspective from an Antiviral Pharmacologist. PAS Seminar Series, Nov 30, 2020; Drake University Webinar.

Gnacinski, S. (2020, January). Sport psychology. Presentation delivered at the annual Wisconsin Cross Country Coaches Clinic. Brookfield, WI, USA.

Golly A, Faford-Johnson K, Baker E, **Hansen A**, Leskovec J. "LGBTQ+ Health Information Access: What's Lacking, What's Working, and How Librarians Can Help." A panel discussion with information professionals, LGBTQ+ advocates, and healthcare professionals addressing issues around LGBTQ+ health information access, outreach efforts to resolve those issues, and what librarians can do to help. Iowa Library Association Annual Conference. Virtual. October 15, 2020.

Grady S. Broadlawns Medical Resident Lectures "Antidepressants" December 2, 2020

Grady S. Broadlawns Medical Resident Lectures "Antidepressants" November 4, 2020

Grady S. Broadlawns Medical Resident Lectures "Antipsychotics" August 5, 2020

Grady S. Broadlawns Medical Resident Lectures "Antipsychotics" July 1, 2020

Grady S. Broadlawns Medical Resident Lectures "Antipsychotics" September 2, 2020

Grady S. Broadlawns Medical Resident Lectures "Anxiolytics" February 5, 2020

Grady S. Broadlawns Medical Resident Lectures "Sedative hypnotics" March 4, 2020

Grady S. Broadlawns Psychiatry Resident Lectures. "Anticholinergics, antihistaminergics, & VMAT-2 inhibitors" November 12, 2020

Grady S. Broadlawns Psychiatry Resident Lectures. "Antidepressants – Part I" December 10, 2020

Grady S. Broadlawns Psychiatry Resident Lectures. "Antidepressants – Part V" February 13, 2020

Grady S. Broadlawns Psychiatry Resident Lectures. "Antidepressants – Part IV" January 23, 2020

Grady S. Broadlawns Psychiatry Resident Lectures. "Antidepressant Jeopardy" January 9, 2020

Grady S. Broadlawns Psychiatry Resident Lectures. "Antipsychotics – Part III" April 9, 2020

Grady S. Broadlawns Psychiatry Resident Lectures. "Antipsychotics – Part II" March 26, 2020

Grady S. Broadlawns Psychiatry Resident Lectures. "Antipsychotics – Part I" March 12, 2020

Grady S. Broadlawns Psychiatry Resident Lectures. "Anxiolytics – Part II" June 25, 2020

Grady S. Broadlawns Psychiatry Resident Lectures. "Anxiolytics – Part I" June 11, 2020

Grady S. Broadlawns Psychiatry Resident Lectures. "Classic Mood Stabilizers – Part III" May 21, 2020

Grady S. Broadlawns Psychiatry Resident Lectures. "Classic Mood Stabilizers – Part II" May 7, 2020

Grady S. Broadlawns Psychiatry Resident Lectures. "Classic Mood Stabilizers – Part I" April 23, 2020

Grady S. Broadlawns Psychiatry Resident Lectures. "Medications Used for Sleep, Part II" August 13, 2020

Grady S. Broadlawns Psychiatry Resident Lectures. "Medications Used for Sleep, Part I" August 6, 2020

Grady S. Broadlawns Psychiatry Resident Lectures. "Stimulants & Atomoxetine" October 29, 2020

Grady S. Broadlawns Psychiatry Resident Lectures. "Treatment of Alcohol, Opioid, & Stimulant Use Disorders, Part II" October 15, 2020

Grady S. Broadlawn Psychiatry Resident Lectures. "Treatment of Alcohol, Opioid, & Stimulant Use Disorders, Part I" September 10, 2020

Gutierrez CS, Panelist for A Time for Resilience and How to Talk About It, May 28, 2020: Des Moines, IA.

Gutierrez, CS, Keynote Speaker on Transformational Leadership for Drake CPHS Pinning Ceremony, May 7, 2020: Des Moines, IA.

Gutierrez, CS, Panelist for Celebrating Above and Beyond Cancer Book Launch, May 15, 2020: Des Moines, IA.

Haack S. Gamechangers podcast: COVID Infections and the Latinx Patient: Perspectives from the Front Lines. CEI Podcast. July 17, 2020.

Haack S. La Función del Farmacéutico en el Equipo de Salud en EUA. Congreso Internacional de Farmacia Clínica y Toxicología. International Virtual Conference. December 3, 2020.

Hove, K. Drake University Occupational Therapy. Invited to speak at the University of Northern Iowa Pre-Occupational Therapy Club Meeting. September, 2020. Completed Virtually.

Hove, K. Living life to the fullest. Invited to speak at the Grandview University Kinesiology class. September, 2020. Completed Virtually

Johnston, S.P. (2020, September). TTHUSC Office of Global Health Capacity Building Seed Grants. Webinar Presentation for Texas Tech University Health Sciences Center (TTUHSC) Global Health Consortium, virtual (Project and presentation in fulfillment of applied practice experience for MPH degree)

Kassel LE. Invited Presentation: Medication Misconceptions: Anticoagulation. Midwest Pharmacy Expo 2020. Iowa Pharmacy Association, Des Moines, IA. February 2020.

Kjos, A.L. ("Cass, K.") ("Howard, A.") Sociology of Cancer in Society. Invited presentation at the Iowa Cancer Consortium's Spring Meeting and Policy Series; April 8, 2020 (virtual)

Kjos, A.L. Gutierrez C., Medina V., Lain E., Walpole J. Race in Medicine. Invited Speaker Panel, Sponsored by Phi Delta Epsilon: Pre-Med Club; Nov. 9, 2020 (virtual)

Kjos, A.L. What's Behind the White Coat: History and Symbolism. Invited Presentation at the College of Pharmacy and Health Sciences Professional Orientation Session, Aug. 21, 2020 (virtual)

Koenigsfeld C. Invited presenter for the American Pharmacist Association Diabetes Certificate program and for the American Pharmacist Association Immunization Certificate program Fall 2020.

Koenigsfeld C. Invited presenter for the American Pharmacist Association Cardiovascular Certificate program offered by the Nebraska Pharmacist Association.

Kuhl, N. (March, 2020). Patient Advocacy Panel. Drake University, Athletic Training Seminar II, Des Moines, IA.

Mahajan, Pramod B. 'Advances in prenatal diagnosis of genetic disorders' Invited presentation at the International Conference on Social Innovations in Global Public Health and Nursing Care at, PIMS, Loni, India January 6, 2020.

Mahajan, Pramod B. 'Biology of Immune Response and Vaccine Production' Invited Presentation at the Annual Meeting of the Heartland Global Health Consortium on Nov. 12, 2020.

Mahajan, Pramod B. and Hill, Denise 'Advances in Genome Modification Technology and Ethical Concerns' A series of four team-delivered presentations for the Ray Society during October 2020.

Mahajan, Pramod B., 'From Phytochemicals to Botanicals and Phytopharmaceuticals: A Progress Report on Compound M.' Invited presentation at the Global Citizenship Forum, Drake University, Des Moines, IA. March 6, 2020.

Maki ED. "Have to attend vs Get to attend: Strategies for improving the perceived value of faculty meetings". Roundtable Discussion Facilitator. AACP Annual Meeting 2020 (CANCELLED due to COVID)

Meyer KS. "Personalizing Your Parkinson's Medications." Marshalltown Parkinson's Support Group, Marshalltown, Iowa March 2020.

Munusamy S, (Karch C), (Frantz R), Carnevale K. Nephroprotective Effects of Metformin in a Mouse Model of Diabetic Kidney Disease. Pharmaceutical and Administrative Sciences Seminar Series. Drake University College of Pharmacy and Health Sciences, Des Moines, IA.

Newman, N, Lundstrom, M, & Viesselman, C. (2020, May). Current topics in athletic training education. Presented at Iowa Athletic Trainers' Society Annual Meeting, Virtual setting.

Phillips C. New Faculty Orientation program: Evaluating student learning: The IDEA center evaluations-interpretation; faculty development of teaching: CPHS: Fall 2020.

Pitlick JM, Bhargava A. Can a data-enabled chatbot improve team-based diabetes care? Iowa Diabetes and Wellness Summit. November 12, 2020.

Pitlick JM. Chronic Care Management: Focus on diabetes: utilizing technology to improve adherence. MidWest Pharmacy Expo. Des Moines, Iowa. February 7th, 2020.

Pitlick, JM. CEI Gamechangers Weekly: SGLT2's in heart failure. Invited speaker. May, 2020.

Plutschack, D. & Wong, M.(April 7, 2020). Invited speaker for PhysioU.com. PhysioU in the virtual occupational therapy classroom [webinar].

Rovers J. Covid Data Sources - presented to members of Sigma Epsilon 5/4

Rovers J. Covid Panel Discussion - Presented to HOSA Chapter, Drake University 11/5

Rovers J. Covid Vaccine Update - Panel Moderator, Heartland Global Health Consortium Annual Meeting 11/12

Rovers J. CPHS Panel on Minors and Concentrations - Feb 27

Rovers J. Global Health Pharmacy - Presented to SNAPhA Chapter, Notre Dame of Maryland University 10/16

Rovers J. How to Understand Covid Data - Panelist for joint class by Dr Gnacinski & Dr Kjos 11/24

Rovers J. Virtual Class for Admitted Students - 4/3

(Temperly M), (Zachary Conroy,) and **Kimberly Huey.** Effects of Vitamin D Supplementation on Muscular & Cardiorespiratory Adaptations to Concurrent & Endurance Training in Mice. Invited podium presentation at Iowa Space Grant Annual Meeting. April 2020.

Urish C. November 2020 - Mental Health First Aid - Higher Education - CPHS Faculty/Staff - Drake University, Des Moines, IA - 8 hour presentation

Urish C. August 2020 – Mental Health First Aid – Adult – Residence Life Staff – Drake University, Des Moines, IA – 6 hour presentation (3 different presentations)

Urish C. March 2020 - Mental Health First Aid - Higher Education - Drake University Human Resources - Drake University, Des Moines, IA - 8 hour presentation

Urish C. February 2020 – Nebraska Occupational Therapy Association Annual Conference – Omaha, NE – 3 hour presentation.

Urish C. February 2020 - Mental Health First Aid - Youth - College of St. Mary, Omaha, NE - 8 hour presentation

Urish C. January 21, 2020 – Mental Health First Aid – Higher Education - Arts & Sciences Faculty & Staff, Des Moines, IA – 8 hour presentation

Williams RM. Patient Reported outcome measures: what are they, why should I use them and where do I start? Submitted to MAATA, March 2020 [Accepted for presentation- canceled due to COVID-19]

Williams, RM. Primary and secondary injury prevention for concussion. Submitted to the Iowa Brain Injury Association, March 2020 [Accepted for presentation- Did not present due to family emergency]

INVITED/NON-PEER REVIEWED POSTERS: (16)

Allen-McHugh, R. D., (Cruz, L.) & **Johnston, S.** Go to the doctor to get well: An interprofessional project focused on the health and wellness of Belizean men. 12th Annual Heartland Global Health Conference, Virtual Conference, Accepted and presented October 15, 2020. Des Moines, Iowa.

(Boehm, E.), (Rye, A.), (Shiple, M.), **Mahajan, P.** and Shrikhande, Y. 'Determinants of optional vaccination in relation to public knowledge at Pravara Rural Hospital, Loni' Annual Meeting of the Heartland Global Health Consortium, Des Moines, IA, Nov. 7, 2020.

(Challoner M), (Cresco N), **Kassel LE**, Hubble M. "Evaluation of Tapentadol Use." Iowa Pharmacy Association. September 2020. Online.

Chesnut, R., Leadership in Turbulent Times, American Association of Colleges of Pharmacy Administrative Services Section. Webinar. Presented on April 30, 2020 (invited).

Chesnut, R., Trygstad T., CEO Dean's Keynote Presentation Q&A (moderator). ACT/AACP Community Pharmacy Practice Transformation Workshop, Nov. 2020 (invited).

Chesnut, R., Trygstad T., Experiential Learning Directors Keynote Presentation Q&A (moderator). ACT/AACP Community Pharmacy Practice Transformation Workshop, Nov. 2020 (invited).

(Conroy Z.) (McKenzie Temperly) and **Kimberly Huey**. Effects of Vitamin D Supplementation on Muscular and Cardiorespiratory Adaptations to Endurance Training in Mice. Iowa Space Grant Annual Meeting, April 2020.

(Jensen, J.), (Kosharek, A.), (Steffenson, E.), **Mahajan P.**, and Bangal, VB. 'A Cross sectional study of Incidence, risk factors, and management of post-partum hemorrhage at a tertiary care hospital in rural India.'

(Masterson O), **Miesner AR**. An Inpatient Probiotic Intervention to Prevent Clostridioides Difficile at Broadlawns Medical Center. Poster presentation at the 2020 Iowa Governor's Conference on Public Health; April 17, 2020; virtual.

(Miller H.), (Stricker S.), **Mahajan P.**, Ross N., **Stelter N.**, **Mobley-Bukstein W.**, Tilekar, V. Tilekar, S, and Ghodke, A. 'Exploring Complementary Approaches to Pain Management' Annual Meeting of the Heartland Global Health Consortium, Des Moines, IA, Nov. 7, 2020.

(O'Keefe, E.), (Soelter, M.), **Mahajan, P.** and Mulla, N. 'Case Study in Behavioral Changes of Various Health Aspects for HIV in High-Risk Populations.'

(Reiter, D.), (McKay, D.), **Mahajan, P.**, **Stelter, N.**, **Mobley-Bukstein, W.**, and Ross, N. 'Ayurvedic Approaches for the Treatment and Management of Pain.'

(Tang K), (Ridout M), **Kassel LE**. MercyOne pharmacy staff perceptions of student CQI projects. Poster 61G. DMU Research Symposium 2020. Online.

(Temperly M), (Zachary Conroy), and **Kimberly Huey**. Effects of Vitamin D Supplementation on Muscular and Cardiorespiratory Adaptations to Strength and Endurance Training in Mice. Iowa Space Grant Annual Meeting, April 2020.

(Watson, I.) and **Mahajan, PB**. 'Role of MMP-2 and MMP-9 in DNA Repair.'

(Zhou, Y.) and **Mahajan, P**. 'Genome testing and its potential for Precision Medicine.'

TECHNICAL OR CONSULTANT REPORTS: (5)

Gutierrez, CS. Contributor to the Above & Beyond Cancer Drake Community Press Book. May 2020.

Meyer, KS. "Advances in Diabetes Management for Older Adults: Interview on SenioRx Radio Podcast, February 25, 2020.

Meyer, KS. "Anticholinergic Burden and Elders" Interview on Gamechangers: Clinical Conversations Podcast, July 10, 2020.

Meyer, KS. "Medication and Falls – How to Reduce Your Risk of Falling." Iowa Falls Prevention Coalition. August 2016.
<https://www.youtube.com/watch?v=Q8MBcC3Ofjk&feature=youtu.be>

Perkins-Nerlich, A., & **Johnston, S.P.** (2020). Refocusing on equity: Bioethics, vulnerability, and access in the time of COVID-19 [White paper]. Hofstra University.

JOURNAL REVIEWING ACTIVITIES: (65 journals)

AAPS PharmSci Tech, **Mengesha**
American Journal of Health-System Pharmacy: **Andreski, Rovers, Wall**
American Journal of Pharmaceutical Education, **Grady**
American Journal of Physiology-Heart and Circulatory Physiology, **Torry**
Annals of Pharmacotherapy, **Dy-Boarman, Eastman, Pitlick, Wall, Welty**
Antimicrobial Agents and Chemotherapy: **Gentry**
Antiviral Research: **Gentry**
Brain Injury, **Williams**
British Journal of Pharmacology, **Munusamy**
Canadian Journal of Physiology and Pharmacology, **Munusamy**
Cells, **Munusamy**
Clinical Athletic Training, **Williams**
Clinical Journal of Sports Medicine, **Williams**
Currents in Pharmacy Teaching and Learning, **Bottenberg, Butler, Dy-Boarman, Haack, Munusamy, Nelson, Rovers, Ulrich**
Diabetes Spectrum, **Pitlick**
Disabilities Studies Quarterly, **Johnston**
Epilepsy and Behavior, **Welty**
Epilepsy Research, **Welty**
Exercise and Sport Science Reviews, **Huey (Associate Editor)**
Experimental and Clinical Allergy, **Wall**
Expert Opinion on Drug Delivery, **Mengesha**
European Journal of Clinical Microbiology and Infectious Disease, **Meisner**
European Journal of Pharmacology, **Munusamy**
Family Medicine and Community Health, **Rovers**
Frontiers in Physiology, **Huey (Associate Editor and reviewer)**
Frontiers in Psychology: Movement Science and Sport Psychology, **Gnacinski**
Genes, **Sacco**
Health Education Behavior, **Williams**
International Journal of Athletic Therapy and Training, **Williams**
International Journal of Clinical Practice, **Wall**
International Journal of Health Sciences Education, **Drapeaux, Johnston, Hurdelbrink**
Journal of Adolescent Health, **Williams**
Journal of Advancing Sport Psychology in Research, **Gnacinski (Managing Editor)**
Journal of American Pharmacist Association, **Andreski, Kjos, Mahajan**
Journal of Applied Physiology, **Huey**
Journal of Athletic Training: **Williams**
Journal of Bodywork and Movement Therapist, **Drapeaux**
Journal of Cellular and Molecular Biochemistry, **Mahajan**
Journal of Clinical Medicine, **Munusamy**
Journal of the Iowa Pharmacy Association, **Meyer**
Journal of Occupational Therapy Education, **Urish**
Journal of Pharmacy Practice, **Wall**
Journal of Pharmacy Practice and Research, **Rovers**
Journal of Sport Behavior, **Gnacinski**
Journal of Vocational Rehabilitation, **Johnston**
Life Sciences, **Munusamy**
Measurement in Physical Education and Exercise Science, **Gnacinski**
Medicina, **Williams**
Medicine and Science in Sport and Exercise, **Gnacinski**
Nutrition and Cancer, **Mengesha**
Occupational Therapy in Mental Health Journal, **Urish**
Occupational Therapy Journal of Research, **Urish**
Open Journal of Occupational Therapy, **Griffiths**
Oxidative Medicine and Cellular Longevity, **Munusamy**
Pharmacy, **Munusamy**
Pharmacy Times, **Koenigsfeld**
PLoS One, **Andreski, Bottenberg, Kjos, Munusamy, Rovers (academic editor)**
Public Health Nursing, **Rovers**
Physical Therapy in Sport, **Williams**
Psychology of Sport and Exercise, **Gnacinski**
Research in Social and Administrative Pharmacy, **Andreski, Kjos**

Sage, Open Nursing, **Williams**
Science- Translational Medicine, **Torry**
Sustainability, Rovers
Sports Medicine, **Williams**
TSAC Report, **Gnacinski**

REVIEWERS FOR PODIUM or POSTER SESSIONS: (16 individuals)

AACP Annual Meeting, **DY-BOARMAN (multiple sections), MUNUSAMY, NELSON**
AAPS PharmSci 360 Poster Abstracts, **MENGESHA**
ACCP Abstract/poster Reviewer, **KASSEL, MIESNER (also best poster judge)**
American Society for Microbiology, Council for Undergraduate Educators, posters, **GENTRY**
AOTA Annual Conference review, **ALLEN-MCHUGH, GRIFFITHS**
AOTA Children and Youth Specialty Conference, **ALLEN-MCHUGH**
AOTA Education Summit review, **GRIFFITHS**
ASCP Annual Meeting, **MEYER**
Association for Applied Sport Psychology Annual Conference – **GNACINSKI**
CEImpact Course, **BRYANT**
Central States Chapter of the Society of Toxicology Annual Meeting, **SACCO**
Des Moines University Research Symposium, **BRADY, KASSEL, SACCO**
International Conference on Antiviral Research, poster & podium, **GENTRY**
Iowa Physiological Society (and Missouri), **TORRY**
Pharmacy Today CE, **Lehman**
Urbandale HS Biology Research Fair Judge; abstract reviewer, **TORRY**

REVIEWERS FOR GRANTS/AWARDS: (5 individuals)

AACP New Investigator Award (NIA): **MUNUSAMY**
APhA Foundation Incentive Grants, **CLARKE**
Iowa Science Foundation Grant: **MENGESHA**
Iowa Space Grant Consortium, Merit Scholarship, **GENTRY**
Iowa Space Grant Consortium, Student Scholarship, **HUEY**
US Dept of Veterans Affairs Rehabilitation R&D Study Section, **HUEY**

RESEARCH GRANTS AND CONTRACTS-New: (21)

EXTRAMURAL: (13 grants totaling \$621,507)

Title: Vanadro Fellowship Program
Sponsor: Vanadro
Start date/completion date: 7/1/20-6/30/21
Direct Costs: \$100,000
Role: Principal Investigator **Renaë Chesnut**

Title: Elucidating the Molecular Mechanism of Action of Letemovir: An Examination of How Letemovir Works and the Clinical Implications Associated with its Mechanism of Action.
Sponsor: Merck Investigator Studies Program (MISP).
Start date/completion date: 2020
Direct Costs: Additional \$36,490.
Role: Co-Principle Investigator. **Brian Gentry**

Title: Enzymatic Activation of T-705 and T-1105, Novel Anti-Viral Drugs with Broad-Spectrum Activity against RNA Viruses.
Sponsor: NASA Iowa Space Grant Consortium Merit Scholarship.
Start date/completion date: Aug 2020-May 2021.
Direct Costs: Funded \$5,000.
Role: Mentor (Olivia Kannas). **Brian Gentry**

Title: Teaching Clinical Measurement of Muscle Strength and Power in Undergraduate Human Physiology Laboratory and Skeletal Muscle Physiology Courses
Sponsor: Iowa Space Curriculum Development Grant
Start date/completion date: August 2020 -May 2021
Direct Costs: \$9,350
Role: Principal Investigator **Kim Huey**

Title: Scholarships for Disadvantaged Students (2020).
Sponsor: Health Resources and Services Administration, U.S. Department of Health and Human Services.
Start Date: July 1, 2020
Direct Costs: Funded for \$3 million over five years (*Chicago State grant- Not included in Drake extramural funding total*).
Role: PI: **Leslie Jackson**

Title: Biomarkers for Radiation-Induced DNA Damage during Human Space Exploration'
Sponsor: NASA Iowa Space Grant Consortium Base Grant Program
Start Date/Completion Date: July 2020-June 2024.
Direct costs: \$87,949.
Role: Principal Investigator **Pramod Mahajan** (Co- PI: **Dr. Abebe Mengesha**)

Title: 'SoapyCilantro®: A Hands-On Introduction to Genomics'
Sponsor: Iowa Governor's STEM ScaleUP Program;
Start Date/Completion Date: January - December 2021.
Direct Costs: \$345,013.
Role: Principal Investigator. **Pramod Mahajan**

Title: A Community Antibigram and Prescriber-Focused Educational Intervention in Des Moines.
Sponsor: Society of Infectious Disease Pharmacists
Start date/completion date: 7-6-2020 to 11-6-2021
Direct Costs: \$2,057.90
Role: Principal Investigator; Co-investigator name(s): **Andy Meisner**, Bushman A, Brock J, Williamson B

Title: Diabetes Prevention Program Start Up at Primary Health Care, Inc.;
Sponsor: CHPcommunity CDC 1705 Grant.
Start date/completion date: December 2020. (December 2020 - September 2021)
Direct Costs: \$5000.
Role: Principal Investigator, **Mobley-Bukstein W.**

Title: Cultivate: Assisting Rural Community Pharmacies in Transforming their Practice through the Development of High-Quality Pharmacy Technicians and Future Pharmacists

Sponsor: Community Pharmacy Foundation

Start date/completion date: 3/31/21 - 10/31/22

Direct Costs: \$18,867

Role: Principal Investigator: **Erin Ulrich**. Co-investigators: **Renae Chesnut, Michael Nelson**

Title: Flip the Pharmacy - Practice Transformation Coach - Cohort 2

Sponsor: Community Pharmacy Federation – CPESN USA

Start/Completion Date: October 2020-October 2022

Direct Costs: \$5,800

Role: **Erin Ulrich**

Title: Are social impairments in 3xTg-AD mice an expression of anxiety-like behavior?

Sponsor: Drake Undergraduate Science Collaborative Institute

Start date/completion date: funded May-June 2020

Direct Costs: \$3000

Role: Principal Investigator. **Craige Wrenn**

Title: Are social impairments in 3xTg-AD mice an expression of anxiety-like behavior?

Sponsor: Drake University Research Grant

Start date/completion date: funded May-June 2020

Direct Costs: \$2980

Role: Principal Investigator. **Craige Wrenn**

Internal (8 grants totaling \$19,221):

Title: Intellectual Property Prototype and Research

Sponsor: Drake University

Start date/completion date: 2/2020-7/2020

Direct Costs or Funds: \$3000

Role: **Alisa Drapeaux**

Title: Embodied and Co-Present Learning

Sponsor: Drake University Undergraduate Assistantship Program

Start date/completion date: March 2020-June 2021

Direct costs: \$1,445 Awarded

Role: Co-investigator, **Eliza Dy-Boarman**

Title: Elucidating the Mechanism of Action of Cyclopropavir, a Promising Pharmacotherapy for the Treatment of Human Adenovirus.

Sponsor: Drake University Faculty Sabbatical Fellowship.

Start date/completion date: July 2020-June 2021.

Direct Costs: \$3,000

Role: Principle Investigator. **Brian Gentry**

Title: Association for Driver Rehabilitation Specialists Conference for a presentation and membership

Sponsor: Jordnt Faculty Development Grant

Start date/completion date: 7-28-20 (conference date)

Direct Costs: \$657

Role: **Kelsee Hove**

Title: The Quality Indicators' Ability to Predict Community Discharge from an Inpatient Rehabilitation Facility.

Sponsor: Drake Faculty Research Grant FY 2020-2021

Start date/completion date: 1-17-20 to 3-25-20

Direct Costs: \$3,000

Role: **Nicole Kuhl**- Principle investigator, **Sara Johnston**- co-investigator

Title: Resequencing the TMF-1 (TATA Element Modulatory Factor) regulated protein (TRNP1) gene in domestic and wild canids

Sponsor: Drake CPHS Harris Research Endowment Grant

Start date/completion date: 3-16-2020 to 7-31-2020

Direct Costs: \$1700

Role: PI **James Sacco**

Title: Genotype-phenotype correlations for the Feline Glutathione S-transferase P gene

Sponsor: Drake CPHS Harris Research Endowment Grant

Start date/completion date: 1-30-2020 to 7-31-2020

Direct Costs: \$2400

Role: PI **James Sacco**

Title: Kidney expression of sFlt-1 during renal dysfunction

Sponsor: Harris Endowment Research Grant

Start date/completion date: Sept 2018 - Sept. 2020 (no-cost extension due to COVID-19)

Direct costs: \$4,019

Role: Principal Investigator; **Ron Torrey**; **Shankar Munusamy** – collaborator

UNDERGRADUATE RESEARCH PROJECTS: (77 projects, with multiple students)

Student name and major: Gelhaus, M., Laux, C. Reynolds, J., Serrano, R., & Smith, K.; OTD
Project title: Occupational Therapy for Children with Food Refusals Using the PEO Model
Products: 2020 Virtual Drake Health Sciences Poster Presentation
Mentor: **Rachel Allen-McHugh**

Student name and major: Brady, L., Cruz, L., Drummond, C., Huedepohl, H., & Zemke, K.; OTD
Project title: Occupational Therapy Assessments in Pediatric Telehealth: The Print Tool and The Beery VMI
Products: 2020 Virtual Drake Health Sciences Poster Presentation
Mentor: **Rachel Allen-McHugh**

Student name and major: Flaherty, S., Maki, S., Schleg, K., Stephens, A., & Tyree, A.; OTD
Project title: Implementation of Telehealth in Rural Pediatric Therapy Settings.
Products: In process manuscript
Mentor: **Rachel Allen-McHugh**

Student name and major: Steinke, R., Ocheltree, R., Meendering, A., Olson, A., & Clavell, H.; OTD
Project title: Resilience of Caregivers and OT Practitioners Working with Children with Chronic Conditions.
Products: In process manuscript
Mentor: **Rachel Allen-McHugh**

Student Name and Major: Nicole Timmons, MAT
Project Title: The use of synthetic ankle models in athletic training education prepares students for patient scenarios: a pilot study
Products: DMU Research Symposium poster (December 2020)
Mentor: **Megan P. Brady**

Student name and major: Anna Paar and Fiona Kearns: Health Sciences
Project title: The Effectiveness of Minimally Manipulated Umbilical Cord Tissue Injections
Products: NA- potential for DUCRS poster in Fall 2021
Mentor: **Alisa Drapeaux**

Student name and major: Alex Jenson: Health Sciences
Project title: Communication and Patient Satisfaction Differences between COVID and Non-COVID cases
Products: Senior Poster/Manuscript-TBD
Mentor: **Alisa Drapeaux**

Student name and major: Claire Monzel, PharmD candidate
Project title: Gabapentin hits a nerve with opioid use in rib fracture patients
Products: Poster presentation at the 2020 ACCP Annual Meeting. Virtual. (October 2020), Won Best Student Poster award.
Mentor: **Darla Eastman**

Student name and major: Kathryn Vollmer, Pharmacy
Project title: Enzymatic Conversion of MBX-2168-MP to Synguanol-MP by Adenosine Deaminase Like Protein-1, a Necessary Step in the Conversion of this Prodrug into an Active Antiviral Compound
Products: Peer-Reviewed Manuscript (AAC), Poster ICAR
Mentor: **Brian Gentry**

Student name and major: Olivia Kannas, BCMB
Project title: Enzymatic activation of T-705 and T-1105, novel anti-viral drugs with broad-spectrum activity against RNA viruses
Products:
Mentor: **Brian Gentry**

Student name and major: Ellie Jacoby (Health Sciences, 2020)
Project Title: "The Ethical Issues with Non-Directive Counseling on Disability and Abortion for Prenatal Genetic Counselors"
Products: Manuscript, Poster Presentation – Successful Attainment of University Honors
Mentor: **Stacy Gnacinski**, Honors Thesis Advisor

Student name and major: Grier Aspengren, Jamie Bryan, Emily Cuddy, Kate Hagenbucher, Whitney Yoder
Project title: The Occupational Therapy Doctorate Capstone Dissemination Processes
Products: Poster accepted for AOTA Inspire 2021 conference
Mentor: PI: **Yolanda Griffiths**, OTD, OTR/L, FAOTA

Student name and major: Angelica Gacek, Jessica Hickman, Jessi Jacobs, Rachel Rose, Whitney Valasek,
Project title: A Historical Inquiry of the Occupational Therapy Doctorate at Drake University.
Products: Poster presented virtually for AOTA 2020 conference.
Mentor: PI: **Yolanda Griffiths**, OTD, OTR/L, FAOTA

Student name and major: Abby Buie
Project title: The Importance of a Brain Break Following Sports Related Concussion
Products: HSCI Senior Poster Session (May 2020)
Mentor: **Cassity Gutierrez**

Student name and major: Elena Johaneck
Project title: Perception of healthy lifestyles and physical health of those who have intellectual disabilities
Products: HSCI Senior Poster Session (May 2020)
Mentor: **Cassity Gutierrez**

Student name and major: Ellie Jacoby
Project title: The genetic counseling experience of a rare case of familial ALS
Products: HSCI Senior Poster Session (May 2020)
Mentor: **Cassity Gutierrez**

Student name and major: Jacob Hardy
Project title: Perceived vs actual ankle stability in college athletes who use athletic tape
Products: HSCI Senior Poster Session (May 2020)
Mentor: **Cassity Gutierrez**

Student name and major: Lauren Campbell
Project title: STD-Associated Stigma among College Students and How it Affects Their Behaviors
Products: HSCI Senior Poster Session (May 2020)
Mentor: **Cassity Gutierrez**

Student name and major: Maddy Shipley
Project title: Evaluating Patient Follow-Through and Compliance with Healthy Women Program Benefits
Products: HSCI Senior Poster Session (May 2020)
Mentor: **Cassity Gutierrez**

Student name and major: Madison Coffman
Project title: The effect of a six-week exercise program on balance and FMS scores
Products: HSCI Senior Poster Session (May 2020)
Mentor: **Cassity Gutierrez**

Student name and major: Tiya Tito
Project title: The Grief and Loss Stage Effect on Alzheimer's Disease
Products: HSCI Senior Poster Session (May 2020)
Mentor: **Cassity Gutierrez**

Student name and major: Jenna Behnke
Project title: Are patient demographics predictive for restraints and seclusion's in mental and behavior health units?
Products: HSCI Senior Poster Session (May 2020)
Mentor: **Cassity Gutierrez**

Student name and major: Jesse Upton, Pharmacy (P4)
Project title: Examining the big 8 social identities of patient diversity through cases presented in a Therapeutics Course Series
Products: ASHP annual meeting poster and AACP annual meeting poster
Mentor: **Anisa Hansen with Lynn Kassel and Jared Butler**

Student name and major: Kaitlyn Goss, Sarah Gronau, Regan Odegard, Lacie Sleezer and Paige Wooldridge, OTD Students
Project Title: Benefits of a Support Group via Telehealth for Individuals with Acquired Brain Injuries
Products: Poster at CPHS Poster Sessions May 2020
Mentor: **Kelsee Hove**

Student Name and Major: Madigan Koneval, Mallory Majors and Sarah Lindstrom, OTD Students
Project Title: Perception of Driving for Those with a Brain Injury or Stroke and their Caregivers
Products: In progress of completing poster and manuscript
Mentor: **Kelsee Hove**

Student name and major: Kenzie Temperly, HSCI
Project title: Effects of Vitamin D Supplementation on Muscular and Cardiorespiratory Adaptations to Concurrent Training in Mice
Products: Iowa Space Grant meeting poster and oral presentation (March 2020)
Mentor: **Kim Huey**

Student name and major: Kenzie Temperly, HSCI
Project title: Effects of Angiotensin Receptor Blockade on Overload-Induced Muscle Growth and Function in Mice
Products: ACSM poster (accepted June 2020)
Mentor: **Kim Huey**

Student name and major: Kenzie Temperly, HSCI
Project title: Effect of Statins on Muscular and Cardiorespiratory Adaptations to Treadmill Training in Mice
Products: National Experimental Biology Meeting poster (accepted April 2020)
Mentor: **Kim Huey**

Student name and major: Zachary Conroy, BCMB
Project title: Effects of Angiotensin Receptor Blockade on Overload-Induced Muscle Growth and Function in Mice
Products: ACSM poster (accepted June 2020)
Mentor: **Kim Huey**

Student name and major: Zachary Conroy, BCMB
Project title: Effects of Vitamin D Supplementation on Muscular and Cardiorespiratory Adaptations to Running Wheel Training in Mice
Products: Iowa Space Grant meeting poster and oral presentation (March 2020)
Mentor: **Kim Huey**

Student name and major: Zachary Conroy, BCMB
Project title: Effect of Statins on Muscular and Cardiorespiratory Adaptations to Treadmill Training in Mice
Products: National Experimental Biology Meeting poster (accepted April 2020)
Mentor: **Kim Huey**

Student name and major: Logan Boerner, Health Sciences
Project title: "Assessing Factors for Readmission and Length of Stay of Cardiovascular Patients at Iowa Lutheran UnityPoint Hospital"
Products: Final Manuscript and Poster (May 2020)
Mentor: **Jonathan Hurdelbrink**, Research Mentor in Guided Research II (HSCI 156)

Student name and major: Jack Borvan, Health Sciences
Project title: "Understanding Medical Students Perceptions and Attitude towards Abortion"
Products: Final Manuscript and Poster (May 2020)
Mentor: **Jonathan Hurdelbrink**, Research Mentor in Guided Research II (HSCI 156)

Student name and major: Samantha Cutler, Health Sciences
Project title: "Becoming Trauma-Informed: Analyzing the Best Path for ChildServe"
Products: Final Manuscript and Poster (May 2020)
Mentor: **Jonathan Hurdelbrink**, Research Mentor in Guided Research II (HSCI 156)

Student name and major: Kelly Kroc, Health Sciences
Project title: "Prevalence of Refractive Errors in School Aged Children and Amount of Screen Use"
Products: Final Manuscript and Poster (May 2020)
Mentor: **Jonathan Hurdelbrink**, Research Mentor in Guided Research II (HSCI 156)

Student name and major: Jake Lewis, Health Sciences
Project title: "Effectiveness of Marketing Strategies at ChildServe Measured by Doctor Patient Referrals"
Products: Final Manuscript and Poster (May 2020)
Mentor: **Jonathan Hurdelbrink**, Research Mentor in Guided Research II (HSCI 156)

Student name and major: Brenna Molnau, Health Sciences
Project title: "Effect of Employee Burnout and Job Satisfaction on Patient Care Outcomes in Long-Term Care"
Products: Final Manuscript and Poster (May 2020)
Mentor: **Jonathan Hurdelbrink**, Research Mentor in Guided Research II (HSCI 156)

Student name and major: Kaarin Quaerna, Health Sciences
Project title: "Common Trends of Suicide in Iowa Children"
Products: Final Manuscript and Poster (May 2020)
Mentor: **Jonathan Hurdelbrink**, Research Mentor in Guided Research II (HSCI 156)

Student name and major: Ellie Severance, Health Sciences
Project title: "Demographic Analysis of Dental Patients who either Cancel Appointments Within 24 Hours or Fail to Show Up"
Products: Final Manuscript and Poster (May 2020)
Mentor: **Jonathan Hurdelbrink**, Research Mentor in Guided Research II (HSCI 156)

Student name and major: Shianne Streeter, Health Sciences
Project title: "Caregiver and Participant Satisfaction at Courage League Sports, an Adaptive Recreational Sports Organization"
Products: Final Manuscript and Poster (May 2020)
Mentor: **Jonathan Hurdelbrink**, Research Mentor in Guided Research II (HSCI 156)

Student name and major: Stephanie Theofilis, Health Sciences
Project title: "The Evaluation of a Complementary Medicine Comfort Menu on Patient Satisfaction"
Products: Final Manuscript and Poster (May 2020)
Mentor: **Jonathan Hurdelbrink**, Research Mentor in Guided Research II (HSCI 156)

Student name and major: Kimberly Tang K (Pharmacy 2021), Morgan Ridout (Pharmacy 2021)
Project title: "MercyOne pharmacy staff perceptions of student CQI projects"
Products: Poster at DMU Research Symposium 2020
Mentor: **Lynn Kassel**

Student name and major: Caroline Jones (Pharmacy 2022)
Project title: Chiral HPLC Method to Determine the D-/L-Epinephrine Ratio in Expired Epinephrine Autoinjectors
Products: Poster at 2020 AAPS PharmSci 360
Mentor: **Lynn Kassel, with Abebe Mengesha**

Student name and major: MacKenzie Challoner (Pharmacy 2022) and Noah Cresco (Pharmacy 2022)
Project title: "Evaluation of Tapentadol Use."
Products: Poster at Iowa Pharmacy Association Annual Meeting 2020
Mentor: **Lynn Kassel LE (with Matt Hubble)**

Student name and major: Emily Freier (Pharmacy 2021)
Project title: Estrogen-Induced Gallstone Pancreatitis in a Transgender Female
Products: Manuscript accepted to AJHP, in press for 2021
Mentor: **Lynn Kassel (with Joel Rand and Havana Chinnakotla)**

Student name and major: Alexander King, Jessica Haggerty, Kendyl Struve, Brittany Bieber, Robert Boarman, OTD
Project title: Contributing Factors on Job Satisfaction among Occupational Therapists in the Inpatient Rehabilitation Setting
Products: in progress- poster to be delivered May 2021
Mentor: **Nicole Kuhl**

Student name and major: Robert Schroeder, PharmD, BA Chemistry
Project title: Monoglyceride-Based Thermally Sensitive Drug Delivery System
Products: AAPS 2020 PharmSci360 poster (Oct. 2020)
Mentor: **Abebe Mengesha**

Student name and major: Robin Fenton, PharmD
Project title: Biomarkers for radiation-induced DNA damage during human space exploration
Products:
Mentor: **Abebe Mengesha**

Student name and major: Ali Goldensohn, PharmD
Project title: Biomarkers for radiation-induced DNA damage during human space exploration
Products:
Mentor: **Abebe Mengesha**

Student name and major: Olivia Masterson, BS-HS
Project title: An Inpatient Probiotic Intervention to Prevent Clostridioides Difficile at Broadlawns Medical Center
Products: Poster presentation at the 2020 Iowa Governor's Conference on Public Health
Mentor: **Andrew Miesner**

Student name and major: Jake Midby, BS-HS
Project title: Delayed antimicrobial therapy for urinary tract infections: a review
Products: none... in process
Mentor: **Andrew Miesner**

Student name and major: Molly Nelson, Braden Weiser, Ashlie Bunten, Lindsey Rowatt, Jerime Gendron; PharmD
Project title: COVID-19 vaccine confidence and barriers at a private university.
Products: none... in process
Mentor: **Andrew Miesner**

Student name and major: Beara Zachariah, PharmD Candidate
Project title: 340B: Contract Pharmacy Loss and Continuity of Care in Diabetes Treatments
Products: 2021 submissions
Mentor: **Mobley-Bukstein, W.**

Student name and major: Ellisa Kim and Leah Bishop, PharmD Candidates
Project title: Freestyle LibrePro Use in Treatment Plan Design
Products: APhA Annual Meeting 2021 Poster
Mentor: **Mobley-Bukstein, W.**

Student name and major: Justin Klein and Jillian Chambers, PharmD Candidates
Project title: Use of Business Plan Rubrics in PharmD Electives
Products: 2021 submissions
Mentor: **Mobley-Bukstein, W.**

Student name and major: Vivi Cao and Sonia Ngo, PharmD Candidates
Project title: Sterile Compounding Rubric Validation
Products: submission 2021
Mentor: **Mobley-Bukstein, W. Diehl, B. Bottenberg, M.**

Student name and Major: Christopher Karch, PharmD program
Project title: "Investigating the Nephroprotective Effects of Metformin in a Mouse Model of Diabetic Nephropathy."
Product: ASPET-Experimental Biology Annual Conference - Poster (April 2020)
Mentor: **Shankar Munusamy**

Student name and Major: Kayla Olstinske, PharmD program
Project title: "Investigating the Nephroprotective Effects of Metformin in a Mouse Model of Diabetic Nephropathy."
Product: Iowa Physiological Society Annual Meeting – Student Podium Presentation (October 2020)
Mentor: **Shankar Munusamy**

Student name and major: Jacob Hardy, Health Sciences Major
Project title: Study of social support in a physical therapy clinic setting. Poster presentation at Drake University.
Products: Health Sciences Capstone Poster Presentation (May 2020)
Mentor: **Nathan Newman**

Student name and major: Student name and major: Rachel Wedemeyer and Tessa Buerher
Project title: Project title: Analysis of Diabetes Busters program impact on 4th grade students diabetes knowledge.
Products: Poster at Iowa Pharmacy Association and ASHP Midyear. Manuscript submission through the journal of IPA
Mentor: **Jamie Pitlick**

Student name and major: Madi Bazan, Kirstan Dubree, Kelli Kramer, and Cassidy McCumber, and Jackie Widmer
Project title: Hand therapist perception of patient cannabinoid use for management of upper extremity dysfunction
Products: In progress
Mentor: **David Plutschack**

Student name and major: Karagan Fisher, Talia Hertz, Brooks Ginn, Liliana Roman, Holly Schroeder
Project title: Upper Extremity Injury Among Walker and Cane Users in an Assisted Living Facility
Products: In progress
Mentor: **David Plutschack**

Student name and major: Kelsey Huss, Andrew Galvez, Taylor Pirillo, Jessica Pottebaum, Sabrina DeHerrera
Project title: Yoga and Ergonomics in Graduate Students
Products: Poster at IOTA conference, Manuscript in progress
Mentor: **David Plutschack**

Student name and major: Lizette Cruz & Kelli Zemke - both OT3
Project title: "Go to the doctor to get well": An interprofessional and international project focused on the health and wellness of Belizean men.
Products: Poster presented to Heartland Global Health Consortium Annual Meeting November 5, 2020
Mentor: **John Rovers**

Student name and major: Dietz PharmD
Project title: Feline GSTP1 genetics and eGST activity
Products: CSSOT poster (October 2020), DMU poster (December 2020)
Mentor: **James Sacco**

Student name and major: Natalie Ake PharmD
Project title: GST enzyme activity and kinetics in canine blood
Products: DMU poster (December 2020)
Mentor: **James Sacco**

Student name and major: Emma Starr BA (BCMB)
Project title: Genetic variation, expression, and comparative genomics of the canine TMF-1 regulated protein (TRNP1) gene
Products: None
Mentor: **James Sacco**

Student name and major: Katarina Hockey PharmD
Project title: GST enzyme activity and kinetics in canine blood
Products: None
Mentor: **James Sacco**

Student name and major: Amanda Hoerres Vanadro Fellow
Project title: GST enzyme activity and kinetics in canine blood
Products: DMU poster (December 2020)
Mentor: **James Sacco**

Student name and major: Haley Miller and Shawna Miller, PharmD Candidates
Project title: Ayurvedic Methods for Pain Management
Products: DMU Virtual Symposium (December 2020), IPA Virtual Annual Meeting (September 2020)
Mentor: **Stelter N, Mobley-Bukstein W, Mahajan P.**

Student name and major: Stricker Shawna, Miller Haley
Project title: Exploring complementary approaches to pain management.
Products: Poster at 12th Annual Heartland Global Health Conference. Des Moines, IA. November 2020.
Mentor: **Nora Stelter**

Student name and major: Amisha Tayal (Pre-Pharm)
Project title: Changes in kidney expression of sFlt-1, Flt-1 and PIGF during renal dysfunction.
Products: Postponed, abstract and poster for DUCURS, 2021
Mentor: **R Torry**

Student name and major: Kamila Sadko (HSCI)
Project title: Cardiac hypertrophy and fibrosis during renal dysfunction.
Products: Postponed, abstract and poster for DUCURS, 2021
Mentor: **R Torry**

Student name and major: Audrey Baker, Lindsey Gidel, Maranda Metz, Cassidy Mullins, and Lauren Wyllie
Project title: Analysis of Mindfulness and Aromatherapy for Emerging Graduate Level Healthcare Professionals
Products: Poster for OTD course
Mentor: **Christine Urish**

Student name and major: Nicole Timmons, Masters of Athletic Training
Project title: The use of synthetic ankle models in athletic training education prepares students for patient scenarios: a pilot study.
Products: Submitted to the 2020 Virtual Des Moines University Research Symposium. December 3 2020. [Accepted for poster presentation]
Mentor: **Richelle M. Williams**

Student name and major: Baptie, C, Braun, L, Christensen, B, McCalley, A, Snyder, C. Department: Occupational Therapy
Project Title: SWOT Analysis of the Perceptions and Use of Digital Accessibility in Occupational Therapy
Products: AOTA INSPIRE Podium & Poster Submission (September 2020); ATIA Podium & Poster Submission (September 2020)
Mentor: **Molly Wuebker**

Student name and major: Denkler H, Lane D, Mills H. Department: Occupational Therapy
Project Title: Fieldwork Educators' Perceptions and Use of Occupation Based Practice in a Fieldwork Setting
Products: AOTA Conference Poster (March 2020)
Mentor: **Molly Wuebker**

CURRENT PROFESSIONAL MEMBERSHIPS: (77 organizations)

Allen Cognitive Network
Alliance of International Aromatherapists
Alpha Sigma Nu
American Association for Advancement of Science (AAAS)
American Association of Colleges of Pharmacy (AACP)
American Association of Human Genetics
American Association of Pharmaceutical Scientists (AAPS)
American College of Clinical Pharmacy (ACCP)
American College of Sports Medicine (ACSM),
American Congress of Rehabilitative Medicine
American Diabetes Association
American Economic Association (AEA)
American Epilepsy Society
American Heart Association (AHA)
American Interprofessional Health Collaborative
American Occupational Therapy Association (AOTA)
American Pharmacist Association (APhA)
American Physical Therapy Association
American Physiological Society
American Public Health Association (APHA)
American Society for Biochemistry and Molecular Biology
American Society for Microbiology
American Society for Pharmacology and Experimental Therapeutics
American Society of Consultant Pharmacists (ASCP)
American Society of Hand Therapists (ASHT)
American Society of Health System Pharmacists (ASHP)
American Sociological Association (ASA)
Association for Applied Sport Psychology (AASP),
Association for Driver Rehabilitation Specialists
Association of Athletic Training Education
Association of Biochemistry Educators
Association of Diabetes Care and Education Specialists
Association of Occupational Therapists- Ireland
Board of Pharmaceutical Specialties
College of Psychiatric and Neurologic Pharmacists
Council for Occupational Therapist for the European Countries
Eastern Economic Association (EEA)
Eastern Sociological Society
Heartland Global Health Consortium
Holistic Occupational Therapy Community
HOSA: Future Health Professionals
Illinois Occupational Therapy Association
International Association of Infant Massage
International Society for Antiviral Research
Iowa Academy of Science (IAS)
Iowa Association of Diabetes Care and Education Specialists
Iowa Athletic Trainers' Society
Iowa Occupational Therapy Association (IOTA)
Iowa Pharmacy Association (IPA)
Iowa Physical Therapy Association
Iowa Physiological Society
Iowa Public Health Association
Iowa Rural Health Association,
Kappa Psi Pharmacy Fraternity
Mid-American Athletic Trainers' Association
Midwest Chapter of the American College of Sports Medicine (MWACSM),
Midwestern Economic Association (MEA)
Missouri Pharmacists Association
National Athletic Trainers' Association

National Council on Rehabilitation Education
National Rehabilitation Association (NRA)
National Rural Health Association
National Strength and Conditioning Association (NSCA)
Neurodevelopmental Treatment Association
Omicron Delta Epsilon
Phi Delta Chi Pharmacy Fraternity
Phi Lambda Sigma National Leadership Society
Rehabilitation Counselors and Educators Association (RCEA)
Rho Chi Pharmaceutical Honor Society,
Society for Neuroscience
Society of Infectious Disease Pharmacists (SIDP)
Society of Toxicology
Southern Economic Association (SEA)
Team-Based Learning Collaborative
Vestibular Disorders Association (VEDA)
World Federation of Occupational Therapists (WFOT)
Yoga Alliance