



# RESEARCH ACCOMPLISHMENTS



**JUNE 2022**

## PUBLICATIONS:

Jassim AH, Nsiah NY, Inman DM. Ocular Hypertension Results in Hypoxia within Glia and Neurons throughout the Visual Projection. *Antioxidants* 2022 Apr 29; 11, 888. <https://doi.org/10.3390/antiox11050888>.

Wang X, Bao Q, Suh MS, Kastellorizios M, Wang R, Burgess DJ. Novel adapter method for in vitro release testing of in situ forming implants. *Int J Pharm.* 2022 Apr 27; 621:121777. doi: 10.1016/j.ijpharm.2022.121777. Online ahead of print. PMID: 35489601.

Shah B, Dong X. Design and Evaluation of Two-Step Biorelevant Dissolution Methods for Docetaxel Oral Formulations. *AAPS PharmSciTech.* 2022 Apr 19; 23(5):113. doi: 10.1208/s12249-022-02256-2. PMID: 35441281.

Escandon P, Liu A, Nicholas SE, Khan A, Riaz KM, Karamichos D. Unravelling Novel Roles of Salivary Exosomes in the Regulation of Human Corneal Stromal Cell Migration and Wound Healing. *Int J Mol Sci.* 2022 Apr 14; 23(8):4330. doi: 10.3390/ijms23084330. PMID: 35457149.

Zuo Z, Babu K, Ganguly C, Zolekar A, Newsom S, Rajan R, Wang YC, Liu J. Rational Engineering of CRISPR-Cas9 Nuclease to Attenuate Position-Dependent Off-Target Effects. *CRISPR J.* 2022 Apr; 5(2):329-340. doi: 10.1089/crispr.2021.0076. PMID: 35438515.

Zalmai R, Agbor Bawa W, Howard M, Rasu RS. Assessing Co-prescription of Opioids with Central Nervous System Depressants for Nonmalignant Chronic Musculoskeletal Pain Management in the Outpatient Setting. *Journal of Opioid*

Management 2022 Mar-Apr; 18(2):107-122. doi: 10.5055/jom.2022.0701. PMID: 35476880.

Wang H, Manning SE, Ho AF, Sambamoorthi U. Factors Associated with Reducing Disparities in Electronic Personal Health Records Use Among Non-Hispanic White and Hispanic Adults. *J Racial Ethn Health Disparities.* 2022 Apr 27. doi: 10.1007/s40615-022-01307-5. Online ahead of print. PMID: 35476224.

## PRESENTATIONS:

Hearn EB. Next Steps After Metformin: A Comparison of GLP1 agonists and SGLT2 Inhibitors. 2022 Texas Pharmacy Association Conference & Expo, Austin, Texas, July 15, 2022, 2:30 pm – 3:30 pm.

Howard ML, Wesling M, Yuet WC. If It's Broken You Gotta Fix It: Repairing Damaged or Strained Learner-Preceptor Relationships. 2022 AACP Pharmacy Education Annual Meeting, Grapevine, Texas, Tuesday, July 26, 8:00 am – 9:00 am.

Gibson CM, Howard ML. Walking the Tightrope: Balancing Administrative and Faculty Roles as Junior or Mid-Level Leaders. 2022 AACP Pharmacy Education Annual Meeting, Grapevine, Texas, Sunday, July 24, 10:45 am – 11:15 am.

Mahan RJ, Howard ML, Bailey T. Let's Talk About Death. 2022 AACP Pharmacy Education Annual Meeting, Grapevine, Texas, Tuesday, July 26, 9:30 am – 10:30 am.

Howard ML, Isaacs AN, Steuber TD, Janzen KM. Don't Sink the (Scholar)ship: Experiential Practice as a Research Trove. 2022 AACP Pharmacy Education Annual Meeting, Grapevine, Texas, Tuesday, July 26, 1:00 pm – 2:00 pm.

Killam-Worrall L. Remarkable First Impression for Rotation Success. 2022 Texas Pharmacy Association Conference & Expo, Austin, Texas, July 15-17, 2022.

### POSTER PRESENTATIONS:

Gibson CM, Hulsizer AL, Palasik BN. Partners in Learning and Leading (PILL): Design & Assessment of a Pharmacist-College Mentoring/Teaching Partnership. Poster accepted for presentation at the 2022 AACP Pharmacy Education Annual Meeting, Grapevine, Texas, July 23, 2022 – July 27, 2022.

School Poster. Palasik BN, Atanda A, Benavides T, Hodge C, Hulsizer AL. Innovation in Career Pathway and Post-Graduate Education for Third- and Fourth-Year Pharmacy Students. Poster accepted for presentation at the 2022 AACP Pharmacy Education Annual Meeting, Grapevine, Texas, July 23, 2022 – July 27, 2022.

### GRANTS/CONTRACTS AWARDED:

Annesha White (Co-PI) and Rafia Rasu (Co-PI) – Industry Sponsored Project; \$94,732.00; Associations of Social Determinants of Health, Perceptions of Health Equity with Colorectal Cancer Screening Among Underserved Populations; 5/16/22 – 5/15/23.

William Weiss — Industry Sponsored Project; \$32,500.08; Efficacy of a Novel Test Article in the H. pylori Mouse Infection Model; amendment to the original contract for additional studies; 5/19/22 – 5/18/23. Industry Sponsored Project; \$26,256.70; Efficacy phage preps in the Murine Thigh Infection Model with P. aeruginosa; 5/18/22 – 5/17/23. Industry Sponsored Project; \$19,950.00; Efficacy and Pharmacokinetics of novel test articles in a murine lung infection model with Klebsiella pneumoniae; amendment to the original contract for additional studies; 3/1/22 – 11/28/22. Industry Sponsored Project; \$16,665.22; Determination of Test Article levels in rabbit plasma samples by ELISA assay; 5/13/22 – 5/12/23. Industry Sponsored Project; \$14,442.08; SC MTD and Efficacy of Submitted Test Article(s) in the Murine Thigh Infection Model; 4/29/22 – 4/28/23. Industry Sponsored Project; \$13,791.00; Efficacy

and Pharmacokinetics of novel test articles in a murine lung infection model with Klebsiella pneumoniae; amendment to the original contract for additional studies; 4/22/22 – 11/28/22. Industry Sponsored Project; \$10,426.10; Efficacy phage preps in the Murine Thigh Infection Model with S. aureus; 5/18/22 – 5/17/23.