



# RESEARCH ACCOMPLISHMENTS



## JANUARY 2021

### PUBLICATIONS:

Wang J, Zhang J, Nguyen NTD, Chen YA, Hsieh JT, **Dong X**. Quantitative measurements of IR780 in formulations and tissues. *J Pharm Biomed Anal*. 2020 Nov 20:113780. doi: 10.1016/j.jpba.2020.113780. Online ahead of print. PMID: 33280993.

**Gibson CM**. Updates on the use of direct oral anticoagulants for the management of chronic conditions. *Pharmacy Today* 2020 December 1; 26(12):44-58.

**Gibson CM**, Hall C, Davis S, Schillig JM. Comparison of two escalated enoxaparin dosing regimens for venous thromboembolism prophylaxis in obese hospitalized patients. *J Thromb Thrombolysis*. 2021 Jan 5. doi: 10.1007/s11239-020-02360-9. Online ahead of print. PMID: 33400099.

Yang KS, Ma XR, Ma Y, Alugubelli YR, Scott DA, Vatansever EC, Drelich AK, Sankaran B, Geng ZZ, Blankenship LR, Ward HE, Sheng YJ, Hsu JC, Kratch KC, Zhao B, Hayatshahi HS, **Liu J**, Li P, Fierke CA, Tseng CK, Xu S, Liu WR. A Quick Route to Multiple Highly Potent SARS-CoV-2 Main Protease Inhibitors\*. *ChemMedChem*. 2020 Dec 7. doi: 10.1002/cmdc.202000924. Online ahead of print. PMID: 33283984.

Kwak MJ, **Rasu R**, Morgan RO, Lee J, Rianon NJ, Holmes HM, Dhoble A, Kim DH. The Association of Economic Outcome and Geriatric Syndromes among Older Adults with Transcatheter Aortic Valve Replacement (TAVR). *J Health Econ Outcomes Res*. 2020 Oct 5; 7(2):175-181. doi: 10.36469/jheor.2020.17423. eCollection 2020. PMID: 33088843.

**Rasu RS**, Zalmai R, Karpes Matusevich AR, Hunt SL, Phadnis MA, Rianon N. Shorter length of hospital stay for hip fracture in those with dementia and without a known diagnosis of osteoporosis in the USA. *BMC Geriatr*. 2020 Dec 3;20(1):523. doi: 10.1186/s12877-020-01924-x. PMID: 33272213.

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* 2020. In Press.

Nili M, Adelman M, **Madhavan SS**, LeMasters T, Dwibedi N, **Sambamoorthi U**. Asthma-Chronic Obstructive Pulmonary Disease Overlap and Cost-Related Medication Non-adherence among Older Adults in the United States. *J Asthma*. 2020 Dec 23:1-14. doi: 10.1080/02770903.2020.1868497. Online ahead of print. PMID: 33356680.

Salvatore MF, Soto I, Alphonso H, **Cunningham R**, James R, Nejtcek VA. Is there a Neurobiological Rationale for the Utility of the Iowa Gambling Task in Parkinson's Disease? *J Parkinsons Dis*. 2020 Dec 23. doi: 10.3233/JPD-202449. Epub ahead of print. PMID: 33361612.

### PRESENTATIONS:

**Rasu, RS**. Webinar on Bangladesh National Infection Prevention and Control (IPC/IPAC) Guideline. Policy to Practice: Infection Prevention and Control Action Steps followed in places of USA & Canada. Organized by the Public Health Expert Advisors Group, Bangladesh. International Webinar, September 2020.

**Rasu, RS**. Roundtable presentation and discussion on The Impact of Age on COVID-19 Hospitalization and Mortality Rates in the United States, American Public Health Association (APHA). October 2020.

**Rasu, RS**. Roundtable presentation and discussion on Polypharmacy, Medication Safety, Cognitive, and Physical Function in Older Adults, American Public Health Association (APHA) Annual meeting. October 2020.

## VIRTUAL POSTER PRESENTATIONS:

Orimoloye H, Clay P, **Rasu RS**, Suzuki S. Polypharmacy in People Living with HIV/AIDS - Pill Count vs. Number of Polyactive Substances. Virtual poster presentation, American Public Health Association (APHA) Annual meeting, October 2020.

Xavier C, **Rasu RS**. Analysis of Race and Ethnicity of COVID-19 Deaths in the United States. Virtual Poster presentation, International Society of Pharmacoeconomics and Outcomes Research (ISPOR) Europe, November 2020.

Bhachawat N, **Rasu RS**. Assessing Fall Events in Geriatric Cancer Patients. Virtual poster presentation, 2020 American Medical Association (AMA) Research Symposium. December 2020.

Roberts-LaGrone T, **White A**, Khanani K. Prescribing oral contraceptives: A new pharmacist role in family planning services. American Society of Health-System Pharmacists Annual Meeting. Virtual Presentation; Dec 2020.

Jones K, **White A**, **Wesling M**. Pharmacy and medical student perceived barriers to interprofessional education. American Society of Health-System Pharmacists Annual Meeting. Virtual Presentation; Dec 2020.

McCaughy C, **White, A**. Survey of pharmacists' and student pharmacists' attitudes, beliefs, and perceived barriers of provider status. American Society of Health-System Pharmacists Annual Meeting. Virtual Presentation; Dec 2020.

## GRANTS/CONTRACTS AWARDED:

**Fleming ML**. University of Houston (Texas DHHS / SAMHSA); \$127,962; Strategic Prevention Framework for Prescription Drugs; 9/1/20 - 8/31/21.

**William Weiss** —

- Industry Sponsored Project; \$166,046; Proprietary Studies in the Pseudomonas Chronic Lower Respiratory Model; 12/18/20 - 12/17//21.
- Industry Sponsored Project; \$26,134.48; Efficacy of Novel Test Articles in a GI Colonization Model in Mice
- Industry Sponsored Project; \$21,948.64; Efficacy of a Novel Efflux Pump Inhibitor with Levofloxacin in the Murine Lung Infection Model with *P. aeruginosa*
- Industry Sponsored Project; \$26,940.80; Efficacy of a proprietary compound in the murine neutropenic lung infection model with *S. aureus*
- Industry Sponsored Project; \$31,890.12; MTD, PK and Efficacy of Proprietary Test Articles in the Murine Thigh Infection Model
- Industry Sponsored Project; \$26,135.03; Efficacy of a Novel Vancomycin Derivative in the Murine UTI Model with *E. coli*
- UNTHSC Internal Project; \$654.20; Subcutaneous Immunization and Blood Collection from Mice Associated with IACUC

