



# RESEARCH ACCOMPLISHMENTS



NOVEMBER 2021

## PUBLICATIONS:

Lingineni K, Chaturvedula A, Cicali B, Cristofolletti R, Wendl T, Hoechel J, Brown J, Vozmediano V, Schmidt S. Determining the Exposure Threshold for Levonorgestrel Efficacy Using Integrated Model-Based Meta-Analysis Approach. *Clinical Pharmacology & Therapeutics*. 2021 Oct 21. doi: 10.1002/cpt.2457. Online ahead of print. PMID: 34674227.

Upadhyay N, Rowan PJ, Aparasu RR, Balkrishnan R, Fleming ML, Nair AA, Chen H. Impact of geographic access to primary care providers on pediatric behavioral health screening. *Prev Med*. 2021 Oct 20;153:106856. doi: 10.1016/j.ypmed.2021.106856. Online ahead of print. PMID: 34678330.

Xavier C, Rasu RS. (2021a). Health Disparities of Coronavirus Disease 2019 in Texas from March to July 2020. *Southern Medical Journal*. 2021 Oct;114(10):649-656. doi: 10.14423/SMJ.0000000000001308. PMID: 34599344.

Rasu RS, Hunt SL, Dai J, Cui H, Phadnis MA, Jain N. Accurate Medication Adherence Measurement using Administrative Data for Frequently Hospitalized Patients. *Hospital Pharmacy*. 2021; 56(5):451-461. First published June 2020. doi:10.1177/0018578720918550.

Wang H, Ho AF, Wiener RC, Sambamoorthi U. The Association of Mobile Health Applications with Self-Management Behaviors among Adults with Chronic Conditions in the United States. *Int J Environ Res Public Health*. 2021 Sep 30; 18(19):10351. doi: 10.3390/ijerph181910351. PMID: 34639651.

Li YL, Chang XR, Ma JT, Zhao X, Yin LT, Yan LJ, Guo JH, Zhang C, Yang XR. Activation of Peripheral Group III Metabotropic Glutamate Receptors Suppressed Formalin-induced Nociception. *Clin Exp Pharmacol Physiol*. 2021 Oct 17. doi: 10.1111/1440-1681.13602. Online ahead of print. PMID: 34657305.

Yan L-J, Allen DC. Cadmium-Induced Kidney Injury: Oxidative Damage as a Unifying Mechanism. *Biomolecules* 2021, 11,

1575. <https://doi.org/10.3390/biom1111157>

## PRESENTATIONS:

S. Suresh Madhavan. Pharmacy: Always trusted for your health. Kerala Pharmacy Graduates Association, Indian Pharmacy Graduates Association, Indian Pharmaceutical Association. World Pharmacists Day Webinar. September 25, 2021. Keynote Presenter.

## VIRTUAL POSTER PRESENTATIONS:

View the College of Pharmacy Showcase Poster abstracts and event program here.

## GRANTS/CONTRACTS AWARDED:

Kyle Emmitte — NIMH/NIH; \$170,841; Discovery of small molecule activators of the Slack potassium channel for use as cell-based probes for the study of fragile X syndrome; 11/1/21 - 10/31/22 (Year 2 of 2).

Denise Inman — NEI/NIH; \$1,861,475 (\$372,295 for Year 1); Metabolic Vulnerability as a Diseased Target for Glaucoma; 9/30/21 – 7/31/26.

Dimitrios Karamichos — University of Tennessee HSC / NEI; \$191,152; Sphingolipids and their Impact in Corneal Wound Healing; 6/1/21 – 5/31/22 (Year 2 of 4).

William Weiss — Industry Sponsored Project; \$17,204.10; Prophylactic and Therapeutic Activity of Antimicrobial Formulations in an in vitro VISK System; 10/5/21 – 10/4/22.

William Weiss — Industry Sponsored Project; \$80,455.53; Efficacy of Test Articles in the Murine Lung Model with S.

aureus; 10/12/21 – 10/11/22.

William Weiss — Industry Sponsored Project; \$39,511.68;  
Efficacy of Monoclonal Antibodies in the Infant Rat Sepsis  
Infection Model with Nontypeable Haemophilus influenza  
(NTHi); 10/11/21 – 10/10/22.

William Weiss — Industry Sponsored Project; \$18,599.16;  
Determination of safety, tolerability and efficacy of submitted  
novel test articles; 10/14/21 – 10/13/22.

William Weiss — Industry Sponsored Project; \$138,388.17;  
Pharmacokinetics / Pharmacodynamics (PK/PD) of Test  
Article in the Rat Pneumonia Model; 10/13/21 – 10/12/22.

William Weiss — Industry Sponsored Project; \$137,447.22;  
Efficacy of Test Article in the Rabbit Lung Infection Model  
with K. pneumoniae – Study #2; 10/19/21 – 10/18/22.

William Weiss — Industry Sponsored Project; \$10,706.30;  
Efficacy of Submitted Test Articles in the Murine Superficial  
Skin Infection Model with S. aureus; 11/1/21 – 10/31/22