

RESEARCH APPRECIATION DAY

[View the awards ceremony here.](#)

RAD Awards:

Asama Tanaudommongkon

Graduate School of Biomedical Sciences
Postdoctoral Poster Presentation

First Place \$400

Title: Evaluation of effect of below-limit of quantitation (BLQ) data due to nonadherence in population pharmacokinetic (POPPK) modeling (# 526)

Jaylen Mans

Graduate School of Biomedical Sciences Department of Pharmaceutical Sciences & Pharmacotherapeutics

Second Place \$200

Title: Sorafenib loaded In-situ Self-Assembling Nanoparticle: A novel approach to increasing oral bioavailability (# 618)

Alshaima'a M. Qunies

Graduate School of Biomedical Sciences Department of Pharmaceutical Sciences & Pharmacotherapeutics

First Place \$400

Title: Discovery of Small Molecule Slack Inhibitors for the Treatment of MMPSI: SAR Development in the Eastern Region of Hit Compound VU0606170 (# 400)

Ammaar Tajani

UNT System College of Pharmacy Pharmaceutical Science Research Award

Third Place \$200

Title: Testosterone Replacement Therapy: Role in Modulating Oxidative Stress within the Entorhinal Cortex (# 518)

Haley J. Barnes

UNT System College of Pharmacy Pharmaceutical Science Research Award

Second Place \$250

Title: Sex Differences in the Oxidative Stress and Inflammation Response During and After Simulated Hemorrhage in Humans (# 610)

Duen-Shian Wang

UNT System College of Pharmacy Pharmaceutical Science Research Award

First Place \$400

Title: Optimization of CRISPR-Cas9 via the synergy of MD simulation and machine learning (# 521)

Jennifer Ra

UNT System College of Pharmacy Clinical/Outcomes Research Award

Second Place \$250



Title: Association of Prescription Opioid Use and Development of Infectious Diseases: A Systematic Review (# 632)

Christy Xavier

UNT System College of Pharmacy Clinical/Outcomes Research Award

First Place \$400

Title: Health Disparities and Risk Patterns of COVID-19 Case, Hospitalization, and Case Fatality in Texas Compared to the United States of America (# 631)

Virtual Poster Presentations (RAD):

Barnes HJ, Rosenberg A, Anderson G, Luu ML Rickards C. Sex Differences in the Oxidative Stress and Inflammation Response During and After Simulated Hemorrhage in Humans. Research Appreciation Day, University of North Texas Health Science Center, March 22-26, 2021, Abstract ID UNTHSC610.

Tanaudommongkon A, Chaturvedula A. Evaluation of effect of below-limit of quantitation (BLQ) data due to nonadherence in population pharmacokinetic (POPPK) modeling. Research Appreciation Day, University of North Texas Health Science Center, March 22-26, 2021, Abstract ID UNTHSC526.

Mabry S, **Wilson E**, Rybalchenko N, Engelland R, Fadeyibi O, Os koya O, Cushen S, Goulopoulou S, **Cunningham R.** Long-term effects of late gestational maternal hypoxic stress on mood disorders: Sex and age differences. Research Appreciation Day, University of North Texas Health Science Center, March 22-26, 2021, Abstract ID UNTHSC456.

Wilson E, Mabry S, Rybalchenko N, Engelland R, Fadeyibi O, Os koya O, Cushen S, Goulopoulou S, **Cunningham R.** Long-term effects of late gestational maternal hypoxic stress on neurodegeneration: Sex and age differences. Research Appreciation Day, University of North Texas Health Science Center, March 22-26, 2021, Abstract ID UNTHSC462.

Engelland R, Fadeyibi O, Rybalchenko N, **Wilson E**, Mabry S, Os koya O, Cushen S, Goulopoulou S, **Cunningham R.** Long-term effects of prenatal chronic intermittent hypoxia insult on the substantia nigra. Research Appreciation Day, University of North Texas Health Science Center, March 22-26, 2021, Abstract ID UNTHSC671.

Tajani A, Cunningham R, Rybalchenko N, **Wilson E.** Testosterone Replacement Therapy: Role in Modulating Oxidative Stress within the Entorhinal Cortex. Research Appreciation Day, University of North Texas Health Science Center, March 22-26, 2021, Abstract ID UNTHSC518.

Fadeyibi O, Rybalchenko N, **Cunningham R.** The Role of Lipid Rafts on Androgen's Neurotoxic Effects. Research Appreciation Day, University of North Texas Health Science Center, March 22-26, 2021, Abstract ID UNTHSC555.

Olowookere Y, Dong X, Xu Y, Yang S. Metformin Nanoparticles for Liver Delivery. Research Appreciation Day, University of North Texas Health Science Center, March 22-26, 2021, Abstract ID UNTHSC454.

Dulie Kom Nzia J, Dong X. Ternary Pseudo-Triphasic Phase Diagram for Lipid Formulation. Research Appreciation Day, University of North Texas Health Science Center, March 22-26, 2021, Abstract ID UNTHSC500.

Mans J, Dong X. Sorafenib loaded In-situ Self-Assembling Nanoparticle: A novel approach to increasing oral bioavailability. Research Appreciation Day, University of North Texas Health Science Center, March 22-26, 2021, Abstract ID UNTHSC618.

Shah B, Dong X. In-vitro Blood-Brain Barrier Models: An Emerging Platform for Central Nervous System Drug Discovery and Delivery. Research Appreciation Day, University of North Texas Health Science Center, March 22-26, 2021, Abstract ID UNTHSC461.

Ferguson J, Johnson G, Amankwa C, Zhang W, **Li L**, Gondi S, Funk A, **Ellis D**, Acharya S, Stankowska D. Novel Compound SA-21 with Antioxidant Capability - The Prospect for Neuroprotection in Glaucoma. Research Appreciation Day, University of North Texas Health Science Center, March 22-26, 2021, Abstract ID UNTHSC597.

Amankwa C, Gondi S, Funk A, Debnath B, Zhang W, **Li L**, Ferguson J, Johnson G, **Ellis D**, Stankowska D, Acharya S. Evaluation of Neuroprotective Effect of hybrid compound SA-2 Nanosuspension in Optic Nerve Crush Mouse Model. Research Appreciation Day, University of North Texas Health Science Center, March 22-26, 2021, Abstract ID UNTHSC572.

Qunies A, Mishra N, Tran E, Spitznagel B, Weaver C, **Emmitte K.** Discovery of Small Molecule Slack Inhibitors for the Treatment of MMPSI: SAR Development in the Eastern Region of Hit Compound VU0606170. Research Appreciation Day, University of North Texas Health Science Center, March 22-26, 2021, Abstract ID UNTHSC400.

Mishra N, Qunies A, Spitznagel B, Acuna V, Acebo J, Weaver C, **Emmitte K.** Discovery of Small Molecule Slack Inhibitors for the Treatment of MMPSI: SAR Development in the Western and Central Region of Hit Compound VU0606170. Research Appreciation Day, University of North Texas Health Science Center, March 22-26, 2021, Abstract ID UNTHSC537.

Gibson C. Efficacy of two escalated enoxaparin dosing regimens in achieving target anti-factor Xa levels for venous thromboembolism prophylaxis among obese, hospitalized patients. Research Appreciation Day, University of North Texas Health Science Center, March 22-26, 2021, Abstract ID UNTHSC629.

Ra J, Villavicencio M, Palasik B, Howell C. Association of Prescription Opioid Use and Development of Infectious Diseases: A Systematic Review. Research Appreciation Day, University of North Texas Health Science Center, March 22-26, 2021, Abstract ID UNTHSC632.

Muilenburg K, Howell C, White A, Garcia L. Student Pharmacist Perceptions of a Transition to a Virtual Curriculum and Mental Health Implication. Research Appreciation Day, University of North Texas Health Science Center, March 22-26, 2021, Abstract ID UNTHSC690.

Pappenhagen N, Zaman K, Prokai L, **Inman D**. Metabolic changes in optic nerve head astrocytes following glaucoma-associated deformation. Research Appreciation Day, University of North Texas Health Science Center, March 22-26, 2021, Abstract ID UNTHSC544.

Rincon J, **Garrett M**, **Kastellorizios M**. Real-time monitoring of membrane composition for liposomal drug formulations in continuous manufacturing. Research Appreciation Day, University of North Texas Health Science Center, March 22-26, 2021, Abstract ID UNTHSC630.

Wang D-S, Liang J, **Liu J**. Optimization of CRISPR-Cas9 via the synergy of MD simulation and machine learning. Research Appreciation Day, University of North Texas Health Science Center, March 22-26, 2021, Abstract ID UNTHSC521.

Leytman M, Guhad A, Stahlnecker A, **Rasu R**, **Xavier C**. Utilization of Mental Health Prescription Claims in Texas Health Plan Members in Relationship to the Novel Coronavirus Pandemic. Research Appreciation Day, University of North Texas Health Science Center, March 22-26, 2021, Abstract ID UNTHSC529.

Zerezghi S, **Xavier C**, **Jodray M**, **Nelson R**, **Zalmai R**, **Rasu R**. A Systematic Review of Concomitant Opioid and Sedative or Skeletal Muscle Relaxant Use on Patient Outcomes in Chronic NON-Malignant PAIN. Research Appreciation Day, University of North Texas Health Science Center, March 22-26, 2021, Abstract ID UNTHSC638.

Bhachawat N, **Rasu R**, Agbor W. Assessing Fall Events in Geriatric Cancer Patients who are Prescribed an Opioid and/or Benzodiazepine. Research Appreciation Day, University of North Texas Health Science Center, March 22-26, 2021, Abstract ID UNTHSC510.

Jodray M, **Xavier C**, **Rasu R**. Covid-19 Case and Mortality Trends across Incarcerated Populations in the U.S. Research Appreciation Day, University of North Texas Health Science Center, March 22-26, 2021, Abstract ID UNTHSC703.

Xavier C, **Rasu R**. Health Disparities and Risk Patterns of COVID-19 Case, Hospitalization, and Case Fatality in Texas Compared to the United States of America. Research Appreciation Day, University of North Texas Health Science Center, March 22-26, 2021, Abstract ID UNTHSC631.

Orimoloye HT, Clay PG, **Rasu R**, Suzuki S. Is the pill count or polyactive substance count a better estimate of polypharmacy in people living with HIV/AIDS? Research Appreciation Day, University of North Texas Health Science Center, March 22-26, 2021, Abstract ID UNTHSC632.

Bond H, **White A**. Patient Safety in the Hospital Pharmacy Setting: Overcoming Barriers and Identifying Solutions. Research Appreciation Day, University of North Texas Health Science Center, March 22-26, 2021, Abstract ID UNTHSC654.

Au ML, **Yu Y**, Lou A, **Garcia L**, **Tran M**, **Wu H**. A Systematic Pharmacology Analysis of the Age-Related Eye Disease Study 2 (AREDS2) formula and its role in preventing Age-Related Macular Degeneration (AMD). Research Appreciation Day, University of North Texas Health Science Center, March 22-26, 2021, Abstract ID UNTHSC499.

Tran M, Yu Y, Wu H. Functions of glutaredoxin 2 (Grx2) in the retina: Mechanisms and Protection. Research Appreciation Day, University of North Texas Health Science Center, March 22-26, 2021, Abstract ID UNTHSC501.

Evans Z, **Yan LJ.** 5-Methoxyindole-2-Carboxylic acid (MICA) as a potential caloric restriction mimetic. Research Appreciation Day, University of North Texas Health Science Center, March 22-26, 2021, Abstract ID UNTHSC543.

Yan LJ. 5-Methoxyindole-2-Carboxylic Acid (MICA) Fails to Retard Development and Progression of Type II Diabetes in ZSF1 Diabetic Rats. Research Appreciation Day, University of North Texas Health Science Center, March 22-26, 2021, Abstract ID UNTHSC398.

Hatch J, **Yan LJ.** Beneficial effects of dietary methionine restriction in aging and disease. Research Appreciation Day, University of North Texas Health Science Center, March 22-26, 2021, Abstract ID UNTHSC410.