Award Winners – 2019

Photos from the Awards Ceremony

SaferCare Texas

Excellence in Patient Safety Research Award – 1st Place Poster ($300)
Presenter: Joshua Lindsley
Title: How Dirty is Your Phone?—Linking Restroom Behavior to Cell Phone Contamination at a Health Science Center

Excellence in Patient Safety Research Award – 2nd Place Poster ($200)
Presenter: Kyle Ames
Title: Variant of Left Vertebral Artery Origin and Transverse Foramina Entry

Excellence in Patient Safety Research Award – 3rd Place Poster ($100)
Presenter: Lindsay Friesenhahn
Title: Is Mental Health Status Related To Alcohol Use In Pregnant Women Ages 21-35?

Institute for Healthy Aging

Poster Presentation Award – 1st Place ($400)
Presenter: Ella A. Kasanga
Title: Caloric restriction attenuates motor function decline in rats: Evidence from an advanced middle-aged cohort

Poster Presentation Award – 2nd Place ($200)
Presenter: Jessica Hersh
Title: IMPACT OF T-CELLS ON ASTROCYTES IN VIVO & IN VITRO: IMPLICATIONS POST-ISCHEMIC STROKE

Oral Presentation Award – 1st Place ($400)
Presenter: Delaney Davis
Title: Behavioral profiling of aged glutathione-deficient mice exposed to an oxidative stressor
North Texas Eye Research Institute

Graduate Student Poster Award – 1st Place ($300)
Presenter: Deidra Lee
Title: Neuroprotective properties of sigma-1 Receptor in Retinal Ganglion cells from Optic Crush Model

Postdoctoral Poster Presentation Award – 1st Place ($300)
Presenter: Yan Fan
Title: Chemical Reprogramming of Mouse and Human Mueller glia into Retinal Ganglion-Like Cells

Graduate School of Biomedical Sciences

Postdoctoral Poster Award – 1st Place ($500)
Presenter: Yan Fan
Title: Chemical Reprogramming of Mouse and Human Mueller glia into Retinal Ganglion-Like Cells

Postdoctoral Oral Presentation Award – 1st Place ($250)
Presenter: Alexander (A.J.) Rosenberg
Title: A Comparison of Protocols for Simulating Hemorrhage in Humans: Step vs. Ramp Lower Body Negative Pressure

Poster Presentation Award – 1st Place ($500)
Presenter: Suhhyun Kim
Title: Variation in maxillary sinus anatomy: Implications of ostium positioning on health disparities in sinusitis

Poster Presentation Award – 2nd Place ($300)
Presenter: Weikan Wang
Title: MOG-specific Treg generation is potentially affected by thymic atrophy

Poster Presentation Award – 3rd Place ($200)
Presenter: Ella A. Kasanga
Title: Caloric restriction attenuates motor function decline in rats: Evidence from an advanced middle-aged cohort

Oral Presentation Award – 1st Place ($500)
Presenter: Spencer C. Cushen
Title: Placental Exposure to Hypoxia and Oxidative Stress Causes Mitochondrial DNA Release into the Extracellular Space
Department of Microbiology, Immunology, & Genetics

1st Place Poster ($500)
Presenter: Weikan Wang
Title: MOG-specific Treg generation is potentially affected by thymic atrophy

2nd Place Poster ($300)
Presenter: Rachel Thomas
Title: Atrophied thymus creates tTreg repertoire holes diminishing an antigen-specific population in the periphery

3rd Place Poster ($200)
Presenter: Courtney Hall
Title: Sequencing Long Amplicon Microsatellite Loci Using the Oxford Nanopore Technologies MinION Device

Department of Pharmacology & Neuroscience

Oral Presentation Award – 1st Place ($400)
Presenter: Jude K Prah
Title: Development of a serum free astrocyte culture method that mimic resting in vivo astrocyte phenotype

1st Place Poster Award ($400)
Presenter: Jessica Hersh
Title: IMPACT OF T-CELLS ON ASTROCYTES IN VIVO & IN VITRO: IMPLICATIONS POST-ISCHEMIC STROKE

2nd Place Poster Award ($200)
Presenter: Hongxia Zhang
Title: Differential Effects of Young and Old Serum Exosomes on Ischemic Stroke Outcomes in Aged Rats

Integrative Physiology Program

1st Place Poster Award ($300)
Presenter: Dianna H. Nguyen
Title: Preliminary Findings on Sex Differences in Response to Various Acute Stressors in Male and Female Mice

2nd Place Poster Award ($200)
Presenter: Garen K. Anderson
Title: Are Spontaneous Low Frequency Oscillations in Arterial Pressure and Cerebral Blood Flow Associated with the Protection of Cerebral Tissue Oxygenation during Simulated Hemorrhage?
3rd Place Poster Award ($100)
Presenter: Haley J. Barnes
Title: Peak Analysis of Cerebral Blood Velocity Responses to Forced Low Frequency Oscillations during Simulated Hemorrhagic Stress in Humans

Structural Anatomy & Rehabilitation Science Graduate Program

1st Place Poster ($300)
Presenter: Suhhyun Kim
Title: Variation in maxillary sinus anatomy: Implications of ostium positioning on health disparities in sinusitis

Texas College of Osteopathic Medicine

Student Research Award – 1st Place ($500)
Presenter: Brandon Hoff
Title: The Association Between Human Papillomavirus Vaccination and State Medicaid Expansion

Student Research Award – 2nd Place ($250)
Presenter: Melissa Schullek
Title: Exploring Less Toxic Combination Treatment Options for Inducing Anti-Cancer Activity in Medulloblastoma Cell

Student Research Award – Best Case Study ($250)
Presenter: Heather DeVille
Title: Sinus Node Dysfunction in a Young Female Without Identifiable Risk Factors

Honors Student Research Award – 1st Place ($250)
Presenter: Patrick Prazak
Title: Evaluating Energetic Demands on the Human Nose Within a Regional Sample
Department of Pediatrics and Women’s Health

**Pediatric Research Award - 1st Place ($300)**
Presenter: Tommy Li
Title: Identifying Factors That May Affect Mortality of Infants with Hypoplastic Left Heart Syndrome

**Pediatric Research Award – 2nd Place ($200)**
Presenter: Nidhi Patel
Title: Long Term Survival in Pediatric Renal Cell Carcinoma despite multiple relapses: A Case Study

**Women’s Health Research Award - 1st Place ($300)**
Presenter: Jamie Y. Choe
Title: Radiation-mediated effect on exosomal and non-exosomal-derived microRNA-21 (miR21) gene expression by Triple Negative Breast Cancer cell line MDA-MB-231

**Women’s Health Research Award - 2nd Place ($200)**
Presenter: Ryan Nguyen
Title: Mitochondrial oxidative stress and extrusion of mitochondrial DNA from endothelial cells: implications for maternal endothelial dysfunction in preeclampsia

Department of Osteopathic Manipulative Medicine

**OMM-IM Korr, PhD Memorial Award – 1st Place ($250)**
Presenter: Erika Rudolph
Title: The Effect of Lymph Isolated during Osteopathic Lymphatic Pump Treatment on the Immune Response against Acute Pneumonia

Medical Student Government Association

**Best in First Year Class ($200)**
Presenter: Brandon Hoff
Title: The Association Between Human Papillomavirus Vaccination and State Medicaid Expansion

**Best in Second Year Class ($200)**
Presenter: Melissa Schullek
Title: Exploring Less Toxic Combination Treatment Options for Inducing Anti-Cancer Activity in Medulloblastoma Cells

**Best in Third Year Class ($200)**
Presenter: Michael Vu
Title: Rapidly Progressive Glomerulonephritis in an Otherwise Healthy Elderly Female
Best in Fourth Year Class ($200)
Presenter: Cindy Tiu
Title: Qualitative Analysis of the Reasons People with Spinal Cord Injury Opt to Enroll in an Exercise Program and their Barriers to Participation

UNT Health Science Center
Interprofessionalism Poster Award – 1st Place ($250)
Presenter: Roslin Jose
Title: Developing Tuberculosis Prevention Strategies via Interdisciplinary Systems-Thinking: Latent Tuberculosis Infection Risk Recognition and Care

UNT Health
Health Care Delivery Award – 1st Place ($250)
Presenter: Brandon Hoff
Title: The Association Between Human Papillomavirus Vaccination and State Medicaid Expansion

School of Public Health & Public Health Student Government Association
1st Place Poster ($500)
Presenter: Cassidy LoParco
Title: Examining Willingness and Intentions to Drink Alcohol as Predictors of Protective Behavioral Strategies

2nd Place Poster ($350)
Presenter: Roslin Jose
Title: Developing Tuberculosis Prevention Strategies via Interdisciplinary Systems-Thinking: Latent Tuberculosis Infection Risk Recognition and Care

3rd Place Poster ($200)
Presenter: Sarah Matthes
Title: The Cost of DIY: Correlates of Women’s Willingness to Pay for At-Home HPV Self-Sampling
**School of Health Professions**

**Physician Assistant Studies Poster Award – 1st Place ($300)**  
Presenter: Michelle Huang  
Title: Does Health Status Differ by Healthcare Access in Diabetic Females Ages 45-79?

**Physician Assistant Studies Poster Award – 2nd Place ($200)**  
Presenter: Kole Knutson  
Title: Do COPD Rates Differ by Veteran Status in Males 50-79 Years of Age?

**Physical Therapy Program Poster Award – 1st Place ($300)**  
Presenter: Janci Burns  
Title: Visual context relates to impairments in both dynamic and static postural control in individuals with Autism Spectrum Disorder (ASD) relative to typical development

**Physical Therapy Program Poster Award – 2nd Place ($200)**  
Presenter: Taylin Watson  
Title: Does High Intensity Aerobic Exercise Improve Postural Control for Older Adults?

**UNT System College of Pharmacy**

**Pharmaceutical Science Research Award – 1st place ($350)**  
Presenter: Duenshian Wang  
Title: Glutaredoxin 2 (Grx2) protects the retina from light-induced photoreceptor damage via regulating the endothelin receptor B (Ednrb) pathway

**Pharmaceutical Science Research Award — 2nd place ($250)**  
Presenter: Grant Currens  
Title: Microbial Natural Product Drug Discovery Through Systematic Sampling of Diverse Texas Soils

**Pharmaceutical Science Research Award – 3rd place ($150)**  
Presenter: Sophia Le  
Title: Development and Characterization of In Situ Self-Assembly Nanoparticles for Oral Tissue-Targeting Delivery

**Clinical Research Award – 1st Place ($350)**  
Presenter: Meenakshi Srinivasan  
Title: Outcomes and economic burden of hormonal contraceptive failure in developing countries: A case for improving effectiveness?

**Clinical Research Award – 2nd Place ($250)**  
Presenter: Hoang Nguyen  
Title: Retrospective Analysis of Pharmacy Students' Perceived Readiness from Pharmacy Residency Preparation Elective with their Match Rates
TECH Fort Worth

2019 TECH Fort Worth Innovation Award - Innovative research with the greatest commercial potential ($300)
Presenter: Tiraj Parikh
Title: A Computer-Based Approach to Developing Diagnostic Rules

Quest Diagnostics

Quest Diagnostics 2019 Research Award ($250)
Presenter: Michelle Huang
Title: Does Health Status Differ by Healthcare Access in Diabetic Females Ages 45-79?