Community Awards

**Quest**

**Quest Award ($250)**
Presenter: Rahul Chib
Title: *Fluorescence Polarization Based Detection Of Hyaluronidase Activity As A Biomarker For Skin Cancer*

**TECH Fort Worth**

**TECH Fort Worth – Innovation in Research Award ($300)**
Presenter: Andrew Gdowski
Title: *Bone Targeted Polymeric Nanoparticles for Metastatic Prostate Cancer*

**Smith & Nephew**

**1st Place Translational Research Award ($500)**
Presenter: Sayantan Maji
Title: *Exosomal Annexina2 Promotes Angiogenesis And Breast Cancer Metastasis*

**2nd Place Translational Research Award ($300)**
Presenter: Brent Shell
Title: *Median Preoptic AT1a Receptor Increase Responsible for Sustained Component of Hypertension from Chronic Intermittent Hypoxia*
**UNTHSC Institute Awards**

**Cardiovascular Research Institute**

1st Place Graduate Student ($300)
Presenter: Divya Duggal
Title: *R21C Mutation in Cardiac Troponin I Imposes Differences in the Degree of Order and Kinetics of Myosin Cross-bridges of Left and Right Ventricles*

2nd Place Graduate Student ($200)
Presenter: Brent Shell
Title: *Median Preoptic AT1a Receptor Increase Responsible for Sustained Component of Hypertension from Chronic Intermittent Hypoxia*

3rd Place Graduate Student ($100)
Presenter: Justin Sprick
Title: *Efficacy of Novel Anatomical Sites for Assessment of Muscle Oxygenation During Central Hypovolemia*

**Institute for Aging and Alzheimer’s Disease**

Predoctoral Poster Award ($500)
Presenter: Jennifer Arnold
Title: *Treadmill Exercise Attenuates Aging-Related Bradykinesia: Potential Involvement Of Increased Nigral GFR-α1 Expression And Dopamine Tissue Content*

**Institute for Cancer Research**

Top Graduate Student Award ($500)
Presenter: Sayantan Maji
Title: *Exosomal AnnexinA2 Promotes Angiogenesis And Breast Cancer Metastasis*

**For HER**

1st Place Poster ($300)
Presenter: Kalyan Chitturi
Title: *Reproductive Health in Female Members of Cook Children’s Life After Cancer Program*

2nd Place Poster ($200)
Presenter: Jennifer John
Title: *An Evaluation of Prenatal Behaviors in a Rural Texas Community*
North Texas Eye Institute

1st Place Graduate Student Presentation ($300)
Presenter: Yong H. Park
Title: Mechanisms Underlying AMPA-Mediated Excitotoxicity of Retinal Ganglion Cells Under Hypoxic Conditions

2nd Place Graduate Student Presentation ($200)
Presenter: Avani A Mody
Title: BMP4 Induced ID Protein Protects TM From Glaucmatous Effects of TGFβ-2

Osteopathic Research Center

Excellence in Research Award ($250)
Presenter: Atiq Budhani
Title: Brief OMT Improves Range of Motion, Reduces Pain & Anxiety As Shown by Interleukin 1-Beta Levels

Texas Prevention Institute

1st Place Poster Presentation ($250)
Presenter: Victor Lin
Title: Human Cerebral Organoids Generated Using Urinary Epithelial Cell-Derived Induced Pluripotent Stem Cells

2nd Place Poster Presentation ($150)
Presenter: Andrew Gdowski
Title: Bone Targeted Polymeric Nanoparticles for Metastatic Prostate Cancer

UNTHSC School & Student Organization Awards

Texas College of Osteopathic Medicine

1st Place Student Research Award ($500)
Presenter: Monica Bullock
Title: The Role of Sleep Apnea Induced Oxidative Stress in Stroke Pathogenesis and Recovery

2nd Place Student Research Award ($400)
Presenter: Andrew Ford
Title: Relationship between Depressive Symptoms and Cognitive Decline
3rd Place Student Research Award ($300)
Presenter: Michelle Jones
Title: **Tolfenamic Acid Induces Therapeutic Efficacy of Chemotherapeutic Agents in Medulloblastoma Cells**

I.M. Koor Memorial Research Award (OMM Dept.) ($250)
Presenter: Anthony Handoyo
Title: **Psychomotor Videos for Osteopathic Manipulative Medicine (OMM) Instruction**

Honors Student Research Award ($250)
Presenter: Shayne Kelly
Title: **Quality of Life Assessment in Transtibial Amputees using K2 vs K3 Prosthetic Feet**

Russ Jenkins Memorial Research Award (Surgery Dept.) ($250)
Presenter: Neel Shah
Title: **Nerve Hydrodissection for Impingement of the Suprascapular Nerve**

1st Place Resident Research Award ($250)
Presenter: Atiq Budhani
Title: **Brief OMT Improves Range of Motion, Reduces Pain & Anxiety As Shown by Interleukin 1-Beta Levels**

Resident Research Award – Family Medicine Dept ($250)
Presenter: Atiq Budhani
Title: **Brief OMT Improves Range of Motion, Reduces Pain & Anxiety As Shown by Interleukin 1-Beta Levels**

1st Place Children’s Health Research Award (Pediatrics Dept.) ($300)
Presenter: Kalyan Chitturi
Title: **Reproductive Health in Female Members of Cook Children’s Life After Cancer Program**

2nd Place Children’s Health Research Award (Pediatrics Dept.) ($200)
Presenter: Irtiza Sheikh
Title: **Formulating adjuvant therapy of rHDL nanoparticles with saquinavir to combat high-risk neuroblastoma**

TCOM Medical Student Government Association

Best in First Year ($200)
Presenter: Brandon Cherry
Title: **Pyruvate Stabilizes electrocardiographic and hemodynamic function in pigs recovering from cardiac arrest**
Best in Second Year ($200)
Presenter: Josin S. Kalathil
Title: Geriatric Exercise: Get Them Moving!

Best in Third Year ($200)
Presenter: Andrew Gdowski
Title: Bone Targeted Polymeric Nanoparticles for Metastatic Prostate Cancer

Best in Fourth Year ($200)
Presenter: Neel Shah
Title: Nerve Hydrodissection for Impingement of the Suprascapular Nerve

Graduate School of Biomedical Sciences

1st Place Oral Presentation ($500)
Presenter: Brandon Coder
Title: Age-related Thymic Involution Perturbs Negative Selection Leading to Autoreactive T Cells That Induce Chronic Inflammation (Inflammaging)

1st Place Postdoctoral Poster Award ($700)
Presenter: Gary Frank Scott MS, PhD
Title: Pyruvate induction of Nrf2/ARE-regulated Glyoxalase1 and Glutathione Reductase in Porcine Brain Post-Cardiac Arrest: Enhanced Methylglyoxal Detoxification

Department of Cell Biology and Immunology

1st Place Poster Award ($300)
Presenter: Chaitanya R. Joshi
Title: HIV-1 Tat and gp120 Regulate Astrocyte Tissue Inhibitor of Matrix Metalloproteinases-1 (TIMP)-1

2nd Place Poster Award ($200)
Presenter: Rudy Castillo
Title: The Role of Lymph Flow on MTLn3 induced Breast Cancer

3rd Place Poster Award ($100)
Presenter: Charlotte Redman
Title: Osteopathic Lymphatic Pump Treatment Does Not Alter Antibiotic Distribution in a Rat Model
1st Place Oral Award ($300)
Presenter: Brandon Coder
Title: Age-related Thymic Involution Perturbs Negative Selection Leading to Autoreactive T Cells That Induce Chronic Inflammation (Inflammaging)

2nd Place Oral Award ($200)
Presenter: Maximillion Mize
Title: Independent Of Bacterial Clearance, Interleukin-17A Acts To Exacerbate Pulmonary Inflammation In BALB/C Mice Infected With Mycoplasma Pulmonis

Robert J. Wordinger Excellence in Virology Research Poster Presentation 1st Place Award ($300)
Presenter: Shruthi Nooka
Title: Astrocyte AEG-1 Regulation Of Wnt/B-Catenin Signaling In HAND

Robert J. Wordinger Excellence in Virology Research Poster Presentation 2nd Place Award ($200)
Presenter: Chaitanya R. Joshi
Title: HIV-1 Tat and gp120 Regulate Astrocyte Tissue Inhibitor of Matrix Metalloproteinases-1 (TIMP)-1

Department of Molecular and Medical Genetics and the Institute of Applied Genetics

1st Place Genetics ($250)
Presenter: Michael R. Nolan
Title: Stated Race/Ethnicity Is Not A Definitive Indicator Of Patrilineal Ancestry In Males Of Major US Populations

1st Place Forensics ($250)
Presenter: Lindsey Thompson
Title: Selection of an Ancestry-Informative Marker (AIM) Panel of INDELs

Graduate Student Association Awards

1st Place Poster Presentation ($500)
Presenter: Jaclyn Bermudez
Title: Histone Acetylation as an Epigenetic Regulator of Glaucoma-Associated Growth Factors in the Trabecular Meshwork
2nd Place Poster Presentation ($350)
Presenter: Divya Duggal
Title: R21C Mutation in Cardiac Troponin I Imposes Differences in the Degree of Order and Kinetics of Myosin Cross-bridges of Left and Right Ventricles

3rd Place Poster Presentation ($200)
Presenter: Rahul Chib
Title: Fluorescence Polarization Based Detection Of Hyaluronidase Activity As A Biomarker For Skin Cancer

School of Public Health & Public Health Student Association

1st Place Poster Presentation ($500)
Presenter: Steven Pulvino
Title: Adverse Child Experiences and Their Effects on Child Behavior and Mental Health

2nd Place Poster Presentation ($350)
Presenter: Opeyemi Jegede
Title: Consecutive Missed School Days in Relationship with Asthma Status and Environmental Air Quality: Findings from a School based Asthma Initiative

3rd Place Poster Presentation ($200)
Presenter: Amy Board
Title: Determinants of Urinary Bisphenol-A Concentrations During Pregnancy

School of Health Professions

Best Physician Assistant Poster Presentation ($300)
Presenter: Victoria Kay
Title: The Role of Regional Cerebral Blood Flow on Tolerance to Central Hypovolemia

Best Physical Therapy Poster Presentation ($300)
Presenter: Hiral Master
Title: Association Between Peak Plantar Shear Stresses and Physical Body Measures

UNT System College of Pharmacy

Postdoctoral Research Award ($500)
Presenter: Xiaobin Liu
Title: Novel Strategy for RPE Protection: Glutaredoxin-Targeting Natural Products
Pharmacy Student Research Award ($500)
Presenter: Christy Xavier
Title: Inhibition of the Glutaredoxin System Increases Doxorubicin Sensitivity in Hepatocellular Carcinoma by Impairing the Nrf2-dependent Antioxidant Response

(TIE)

Presenter: Victor Lin
Title: Human Cerebral Organoids Generated Using Urinary Epithelial Cell-Derived Induced Pluripotent Stem Cells

Elena and Thomas Yorio Travel Award
Yong H. Park