Medical Student Research Conference Awards
September 15, 2017

Mentor Awards

2017 Summer Research Fellowship Outstanding Mentor in Basic Science Research

Mark W. Chapleau, PhD - Internal Medicine - Cardiovascular Medicine

Nominated by Sayantan Deb, M2

2017 Summer Research Fellowship Outstanding Mentor in Clinical Research

Kenneth G. Nepple, MD - Urology

Nominated by Laura Quast, M2

Student Research Awards - Foundation

The François M. Abboud Prize for Best Platform Presentation (U of I Foundation Award)

Natalie Martin, M2

"Normal Saline Versus Lactated Ringer's: A Randomized Control Trial Evaluating Healthcare Utilization Following Discharge in Emergency Department Patients"

Mentor: Brett Faine, PharmD - College of Pharmacy

The Donald D. Heath Prize for Best Poster Presentation (U of I Foundation Award)

Connor Parker, M2

"MgrA Regulates Attachment of Staphylococcus aureus to Mucin"

Mentor: Anthony Fischer, MD, PhD - Pediatrics

The I.H. Borts Award (U of I Foundation Award)

Tyler Abarca, M2

"Does Cancer Center Volume Effect Overall Survival in Soft Tissue Sarcoma? A review of the National Cancer Data Base"

Mentor: Benjamin Miller, MD, MS - Orthopedics and Rehabilitation

The Edward Heath Award (U of I Foundation Award)

Pavane Gorrepati, M1

"In Vitro Analysis of Chemotactic Dendritic Cell Migration in 3D Environments"

Mentor: Stephanie Eisenbarth, MD, PhD - Immunobiology, Yale School of Medicine

The Melvin L. Marcus Clinical Research Award (U of I Foundation Award)

Stijn Hentzen, M2

"King Devick Test to Monitor Anesthesia Recovery - A Validation Study"

Mentor: Andrew Peterson, MD, MSPH - Pediatrics

Student Research Awards - Departmental

The Margaret V. Lunsford Award for Research in Anesthesia

Caleb Fredrickson, M2

"Two-way interactions between the nervous system and gut microbiota in a fruit fly model of epilepsy"

Mentor: Toshi Kitamoto, PhD - Anesthesia

The Arthur A. Spector Award for Basic Biomedical Research

Perry Wu, M4

"CRISPRi Knockdown of BAG3 Interactors in iPS-CM to Elucidate Mechanisms of BAG3-Related Dilated Cardiomyopathy"

Mentor: Robert Cornell, PhD - Anatomy & Cell Biology

The Nicholas P. Rossi Research Award in Cardiothoracic Surgery

Julia Froud, M2

"Bovine Aortic Arch Shortens Available Clamping Distance for Extended End-to-End Repair of Infant Coarctation of the Aorta"

Mentor: Joseph Turek, MD, PhD - Cardiothoracic Surgery

Research Excellence in Dermatology

Adam Miller, M4

"Demographic Features Differentiating Bullous Pemphigoid Patients With and Without Neurologic Disease"

Mentor: Janet Fairley, MD - Dermatology

Research Excellence in Emergency Medicine

Elijah Dahlstrom, M2

"Bispectral EEG as Alternative to CAM-ICU for Delirium Screening in Emergency Department"

Mentor: Sangil Lee, MD, MS - Emergency Medicine

Excellence in Family Medicine Research

Aubrey Reese, M2

"Digital Screening Mammograms vs. Tomosynthesis Outcomes"

Mentor: Barcey Levy, MD, PhD - Family Medicine

The John Stokes Award for Research in Internal Medicine

Drew Voigt, M2G

"A Forward Genetic Screen to Investigate Vemurafenib Resistance in BRAFV600E Melanoma"

Mentor: Adam Dupuy, PhD - Anatomy & Cell Biology

Excellence in Internal Medicine Research

Nicholas Stoyles, M2

"Effects of Long Distance Cycling on Median Nerve Sonographic Appearance"

Mentor: Andrew Peterson, MD, MSPH - Pediatrics

Excellence in Internal Medicine Research

Jeffrey Daniels, M2

"Role of CTLA4 Expression on Regulatory T Cells in Helminth-induced Suppression of T Helper 1 Inflammation"

Mentor: M. Nedim Ince, MD - Internal Medicine, Gastroenterology & Hepatology

The William Johnson Award for Researxh in Microbiology and Immuniology

Wahida Khan, M2

"T Cell Characterization in Yellow Fever, Zika Virus, and Mumps Infection"

Mentor: Jack Stapleton, MD - Internal Medicine, Infectious Diseases

Excellence in Basic Neuroscience Research

Tarun Kadaru, M2

"Respiratory Inhibition Upon Electrical Stimulation of the Amygdala in Mice"

Mentor: Brian Dlouhy, MD - Neurosurgery

Excellence in Clinical Neuroscience Research

Joseph Hudson, M3

"Hemorrhage Associated With External Ventricle Drain Placement In Aneurysmal Sub Arachnoid Hemorrhage Patients On Dual Anti Platelet Therapy: A Retrospective Analysis"

Mentor: David Hasan, MD - Neurosurgery

Excellence in Translational Neuroscience Research

Colin Clark, M2G

"Probing the Identity of Central Chemosensitive Neurons Responsible for Hypercapnic Ventilatory Response"

Mentor: George Richerson, MD, PhD - Neurology

Excellence for Clinical Research in Obstetrics & Gynecology

Kathryn Songer, M4

"Inappropriate use of vancomycin for GBS prophylaxis in patients who report a penicillin allergy"

Mentor: Abbey Hardy-Fairbanks, MD - Obstetrics & Gynecology

Excellence in Obstetrics & Gynecology Research

Irene Morcuende, M2

"Pessary Treatment of Pelvic Organ Prolapse: Self Care vs. Office-based Care"

Mentor: Catherine Bradley, MD - Obstetrics & Gynecology, Reconstructive Pelvic Surgery

The William E. Scott Award for Ophthalmology Research

Andrew Goldstein, M2

"Assessing the effects of ripasudil, a novel Rho kinase inhibitor, on human corneal endothelial cell health"

Mentor: Mark Greiner, MD - Ophthalmology

The Thomas A. Weingeist Award for Ophthalmology Research

Matthew Miller, M2G

"Retinal ganglion cell-specific ER stress underlies optic atrophy in two siblings with Wolfram syndrome"

Mentor: Budd Tucker, PhD - Ophthalmology

The Hansjoerg E. Kolder Award for Ophthalmology Research

Joseph Vecchi, M1G

"Engineering a Polycaprolactone (PCL) Film to Deliver Stem Cell Derived Retinal Precursor Cells (RPCs) for Retinal Regeneration"

Mentor: Budd Tucker, PhD - Ophthalmology

The Ponseti Prize in Orthopaedic Research

Gabrielle Bui, M2

"Assessment of Risk Factors and Litigation on Rates of Subsequent Injury in Patients with Work and Non-Work Related Foot and Ankle Injuries"

Mentor: Phinit Phisitkul, MD - Orthopedics and Rehabilitation

Research Excellence in Orthopaedics

Allison Methenitis, M2

"Validation of the Low Profile Modification of the Losee Pivot Shift Test in the Assessment of the ACL Deficient Knee"

Mentor: John Albright, MD - Orthopedics and Rehabilitation

Excellence in Otolaryngology Research

Daniel Wu, M2

"A Comparison of Histologic and Radiographic Methods in Novel Sheep Model for Hearing Preservation Cochlear Implant Surgery"

Mentor: Marlan R. Hansen, MD - Otolaryngology - Head & Neck Surgery

The Richard G. Lynch Award in Pathology Research

Nicholas Borcherding, MSTP

"Targeting mismatch repair in aggressive basal-like breast cancer"

Mentor: Weizhou Zhang, PhD - Pathology

The Richard G. Lynch Award in Pathology Research

Chandni Desai, M2

"CTGF Expression as a prognostic marker in sarcomas"

Mentor: Munir Tanas, MD - Pathology

Excellence in Pediatric Basic Science Research

Elizabeth Shirazi, M2

"Novel adenovirus serotypes for improved airway gene transfer"

Mentor: Patrick Sinn, PhD - Pediatrics - Allergy, Immunology, and Pulmonary

Excellence in Pediatric Clinical Research

Maggie Long, M2

"Access to Technology and Interest in Telemedicine Among Home-Based Dialysis Patients"

Mentor: Patrick Brophy, MD, MS - Pediatrics

Excellence in Pharmacological and Toxicological Sciences Research

Ruth Riedl, M2

"Structurally-divergent ACE inhibitors differentially modify metabolism and weight gain"

Mentor: Justin Grobe, PhD - Pharmacology

The Carl V. Gisolfi Award for Excellence in Health and Human Physiology Research

Conor Dass, M2

"The Role of ATF4 in Protection Against Lipid-Induced Toxicity in Cultured Cardiomyocytes"

Mentor: Vitor Lira, PhD - Health & Human Physiology

Excellence in Molecular Physiology & Biophysics Research

Tyler Foley, M1

"Validation Studies of a Functional Genomic shRNA Screen Investigating Vemurafenib Resistance in BRAF V600E-Mutated Melanoma"

Mentor: Michael Henry, PhD - Molecular Physiology & Biophysics

The George Winokur Research Award in Psychiatry

Adam Vesole, M2

"DNA Methylation Patterns of Brain and Peripheral Tissue in Drug-Resistant Epilepsy"

Mentor: Gen Shinozaki, MD - Psychiatry

The Robert G. Robinson Research Award in Psychiatry

Jonathan Birdsall, M2

"Vascular Correlates of Mood Change"

Mentor: Jess Fiedorowicz, MD, PhD - Psychiatry

The Lauretta Bender Research Award in Psychiatry

Fillan Grady, M2G

"Brainstem projections to Anterior Insula may promote arousal"

Mentor: Joel Geerling, MD, PhD - Neurology

The Jason Martin, MD, Medical Student Research Award in Radiology

Tyler Klenske, M2

"Biomarkers of emphysema susceptibility and blood flow heterogeneity associated emphysema progression"

Mentor: Dr. Eric A. Hoffman, PhD - Radiology

The Larry W. Oberley Research Award in Radiation Oncology

Chandini Reddi, M2

"Thiol-Redox Imbalance Results in an ER-stress induced autophagy which creates a resistance to MAPK Pathway Inhibitors in Melanoma"

Mentor: Michael Schultz, PhD - Radiology, Nuclear Medicine

The Kimberly Ephgrave Medical Student Research Award in Surgery

Mikenzy Fassel, M2

"The Impact of Adverse Childhood Experiences (ACEs) on Burn Outcomes in Adult Burn Patients"

Mentor: Lucy Wibbenmeyer, MD - Surgery

Excellence in Urology Research

Laura Quast, M2

"Population-based Evaluation of Factors Associated with Use of Intravesical Bacillus Calmette-Guérin for High Grade Non-Muscle Invasive Bladder Cancer"

Mentor: Kenneth Nepple, MD - Urology