Medical Student Research Conference Awards  
September 14, 2018

Mentor Awards

2018 Summer Research Fellowship Outstanding Mentor in Basic Science Research
Christopher S. Stipp, PhD - Biology; Molecular Physiology and Biophysics
Nominated by Brooke Jennings Deb, M1

2018 Summer Research Fellowship Outstanding Mentor in Clinical Research
Katherine D. Mathews, MD - Pediatrics - Neurology
Nominated by Madalyn Rasor, M2

Student Research Awards - Foundation

François M. Abboud Prize for Best Platform Presentation (U of I Foundation Award)
Kelly Yom, M2
“The Effect of Visual Aids in Preoperative Patient Counseling for Oculoplastic Surgery”
Mentor: Audrey Ko, MD - Ophthalmology and Visual Sciences

Donald D. Heistad Prize for Best Poster Presentation (U of I Foundation Award)
Joanna Silverman, M2
“EyePrint PRO 3-D Scanned Scleral Contact Lenses: Primary Indications, Visual Outcomes, and Complications”
Mentor: Mark A. Greiner, MD - Ophthalmology and Visual Sciences

I.H. Borts Award (U of I Foundation Award)
Andres Dajles, M2G
“Penalized Regression Models on the Lipid Profile of Subjects With Multiple Sclerosis”
Mentor: Yuan Huang, PhD - College of Public Health - Biostatistics

Edward Heath Award (U of I Foundation Award)
Nate Mullin, M1
“Transplantable photoreceptor grafts from patient-specific pluripotent stem cells”
Mentor: Budd A. Tucker, PhD - Ophthalmology and Visual Sciences

Melvin L. Marcus Clinical Research Award (U of I Foundation Award)
Morgan Bertsch, M4
“Anterior versus posterior total hip arthroplasty: A comparison of outcomes at an academic institution”
Mentor: Jesse E. Otero, MD, PhD - Orthopedics and Rehabilitation

Global Health Programs Research Award
Michael Klemme, M2
“Identification and Analysis of Leishmania exosome-associated proteins and patient demographic information in Natal, Brazil”
Mentor: Mary E. Wilson, MD - Internal Medicine - Infectious Diseases; Microbiology & Immunology; Epidemiology
Student Research Awards - Departmental

Margaret V. Lunsford Award for Research in Anesthesia

**Grant Young, M4**

“Qualitative systematic review of reports of dural puncture and cerebral vein thrombosis”

Mentor: Cynthia A. Wong, MD - Anesthesia - Obstetrical Anesthesia

Excellence in Anesthesia Basic Science Research

**Jessica Hui, M2**

“Effects of region-specific knockouts of Ndufs4 on volatile anesthetic response”

Mentors: Phillip G. Morgan, MD & Margaret M. Sedensky, MD - Department of Anesthesiology and Pain Medicine, UW Medicine, Seattle, WA

Arthur A. Spector Award for Basic Biomedical Research

**Ossama Abu-Halawa, M1**

“Positive feedback between PI3Kd and glucocorticoids sensitizes resistant B-cell Precursor Acute Lymphoblastic Leukemia cells to treatment”

Mentor: Miles Pufall, PhD - Biochemistry

Nicholas P. Rossi Research Award in Cardiothoracic Surgery

**Ben Wilkinson, M2**

“The Utility of Routine X-ray Imaging Following Chest Tube Removal”

Mentor: Kalpaj R. Parekh, MBBS - Surgery - Cardiothoracic Surgery

Research Excellence in Dermatology

**Kevin Cheung, M2G**

“The Genetics of Melanoma in a Veteran Population”

Mentor: Jennifer G. Powers, MD, FAAD - Dermatology

Research Excellence in Emergency Medicine

**Ryan Neuhaus, M1**

“Mental Health and Substance Abuse Patients in the Emergency Department: Mobile Crisis Outreach and Healthcare Utilization”

Mentor: Sangil Lee, MD, MS - Emergency Medicine

Excellence in Family Medicine Research

**Marissa Martin, M4**

“Outpatient Frailty as a Risk Factor for the Development of Delirium in Geriatric Inpatients”

Mentor: Michelle Weckmann, MD - Family Medicine; Psychiatry

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

**Nealy Wooldridge, M2**

“Morning Blood Pressure Surge is Blunted in Individuals with Chronic Anxiety: Relation with Nocturnal Blood Pressure Dipping”

Mentor: Gary Pierce, PhD - Health and Human Physiology
John Stokes Award for Research in Internal Medicine

Mikako Harata, M1
“Delivery of short hairpin RNA via lentivirus in human pseudoislets provides a model to test dynamic regulation of insulin secretion and gene function in human islets”
Mentor: Yumi Imai, MD - Internal Medicine - Endocrinology and Metabolism

Excellence in Internal Medicine Research

Richard Uhlenhopp, M2
“Staphylococcus aureus Nasal Carriage and the Risk of Surgical Site Infections among Patients Undergoing Orthopedic Surgical Procedures to Fix Acute Fractures: A Retrospective Cohort Study”
Mentor: Loreen A. Herwaldt, MD - Internal Medicine - Infectious Diseases; Epidemiology

Excellence in Internal Medicine Research

Joyce Wahba, M2
“Insights into the pathogenesis of leishmaniasis through the study of circulating exosomes”
Mentor: Mary E. Wilson, MD - Internal Medicine - Infectious Diseases; Microbiology and Immunology; Epidemiology

William Johnson Award for Research in Microbiology and Immunology

Maddie Mix, M1
“The role of the inflammasome in generating CD8 T cell responses and protection against malaria”
Mentor: John T. Harty, PhD - Microbiology and Immunology; Pathology

Excellence in Molecular Physiology & Biophysics Research

Akansha Jain, M1
“Utilizing ferroptosis to target therapy-resistant cancer cells”
Mentor: Michael Henry, PhD - Molecular Physiology & Biophysics; Pathology; Urology; Radiation Oncology

Excellence in Basic Neuroscience Research

Jonathan Chou, M4
“Effect of dorsal raphe nucleus stimulation on post-ictal generalized EEG suppression following maximal electroshock induced seizures in mice”
Mentor: Gordon F. Buchanan, MD, PhD - Neurology

Excellence in Clinical Neuroscience Research

David Crompton, M2
“A New Rapid Visual Field Screening Test for Patients with Idiopathic Intracranial Hypertension”
Mentor: Michael Wall, MD - Neurology; Ophthalmology and Visual Sciences

Excellence in Translational Neuroscience Research

Hassan Ahamed, M1
“The Effect of Monoamine Reuptake Inhibitors on Seizure Susceptibility in DBA/1 Mice”
Mentor: George Richerson, MD, PhD - Neurology; Molecular Physiology and Biophysics; Neurosurgery
Excellence for Clinical Research in Obstetrics and Gynecology

Sarah Bakir, M2
“Accuracy of Vaginal pH Testing Before and After Addition of Sterile Saline”
Mentor: Abbey J. Hardy-Fairbanks, MD - Obstetrics and Gynecology

Excellence in Obstetrics and Gynecology Research

Grace Chabal, M2
“Recovery from cesarean delivery at UIHC: a comparison to Enhanced Recovery Protocols”
Mentor: Noelle C. Bowdler, MD - Obstetrics and Gynecology

Thomas A. Weingeist Award for Ophthalmology Research

Dabin Choi, M2
“The Effect of Sleep Position Preference on Periorbital Symmetry”
Mentor: Erin M. Shriver, MD, FACS - Ophthalmology and Visual Sciences

William E. Scott Award for Ophthalmology Research

Tucker Dangremond, M2
“Electrophysiology and optical coherence tomography of the central retina in aniridia due to PAX6 mutations”
Mentor: Arlene V. Drack, MD - Ophthalmology and Visual Sciences

Hansjoerg E. Kolder Award for Ophthalmology Research

Pavane Gorrepati, M2
“The Effect of Eyelid Surgery on the Ocular Surface, Tear Composition, and Meibomian Gland Morphology and Function”
Mentor: Erin M. Shriver, MD, FACS - Ophthalmology and Visual Sciences

Ignasio V. Ponseti Prize in Orthopedic Research

Benjamin Fick, M2
“A Retrospective Review of Percutaneous Ultrasonic Tenotomy for Chronic Tendinopathies”
Mentor: Mederic M. Hall, MD - Orthopedics and Rehabilitation; Family Medicine; Radiology

Research Excellence in Orthopedics

Michael Slattery, M2
“Does iatrogenic Cartilage Injury Risk Damage to Otherwise Healthy Chondrocytes Overlying CAM Morphology?”
Mentor: Robert Westermann, MD - Orthopedics and Rehabilitation

Excellence in Otolaryngology Research

Joseph Vecchi, M2G
“Using engineered photopolymerized micropatterns and live cell imaging to study the growth of Spiral Ganglion Neurons”
Mentor: Marlan R. Hansen, MD - Otolaryngology; Neurosurgery
Richard G. Lynch Research Award in Pathology

Sarah Oest, M3
“Activation and Utilization of an Electronic Health Record Patient Portal at an Academic Medical Center - Impact of Patient Demographics and Geographic Location”
Mentor: Matthew D. Krasowski, MD, PhD - Pathology

Hayley Hansen, M2
“Relationships Between Symptoms, Patient Demographics, and Cervical Cancer”
Mentor: Colleen K. Stockdale, MD, MS - Obstetrics and Gynecology

Excellence in Pediatric Basic Science Research

Jared Peterson, M2
“Neurocognitive Function in Pediatric Brain Tumor Survivors”
Mentor: Mariko Sato, MD, PhD - Pediatrics - Hematology Oncology

Excellence in Pediatric Clinical Research

Jasmine Roghair, M1
“Neuropsychological Profiles of Youth Participants in Flag vs Tackle Football”
Mentors: Patricia Espe-Pfeifer, PhD - Psychiatry; Pediatrics and Andrew R. Peterson, MD, MSPH - Pediatrics - Adolescent Medicine; Orthopedics and Rehabilitation

Excellence in Pharmacological and Toxicological Sciences Research

Ryan Staudte, M2
“Endocrine Effects of BPF on HS Rats”
Mentor: Anne E. Kwitek, PhD - Pharmacology; Internal Medicine

George Winokur Research Award in Psychiatry

Tong Yu, M2
“Epigenetics of Delirium: Investigation of DNA Methylation Changes on Tumor Necrosis Factor alpha in Search for Delirium Biomarker”
Mentor: Gen Shinozaki, MD - Psychiatry

Robert G. Robinson Research Award in Psychiatry

Kyle Walsh, M2
“The influence of chronic cerebellar stimulation on cognitive function and circuitry”
Mentor: Krystal L. Parker, PhD - Psychiatry

Lauretta Bender Research Award in Psychiatry

Leo Brueggeman, MSTP
“Forecasting Autism Gene Discovery With Machine Learning and Heterogeneous Biological Data”
Mentor: Jacob J. Michaelson, PhD - Psychiatry; Communication Science and Disorders; Biomedical Engineering
Jason Martin, MD, Medical Student Research Award in Radiology
  Nicholas Flege, M4
  “MRI Occult Meniscal Tears of the ACL Deficient Knee: Characterization of Occult Meniscal Tears and Association with Medial Femoral Condyle Rim Bone Contusions”
  Mentor: D. Lee Bennett, MA, MBA, MD, FACR - Radiology - Division of Musculoskeletal Radiology

Larry W. Oberley Research Award in Radiation Oncology
  Maggie Gannon, M2
  “Identification of biomic variables impacting clinical outcomes in non-small cell lung cancer patients to improve imaged-based machine learning response prediction”
  Mentor: Yusung Kim, PhD - Radiation Oncology

Kimberly Ephgrave Medical Student Research Award in Surgery
  Austin Kazarian, M2
  “Clinical outcome of pancreatic cancer patients with indeterminate pulmonary nodules”
  Mentor: Carlos H. Chan, MD, PhD - Surgery - Surgical Oncology and Endocrine Surgery

Excellence in Urology Research
  Zachary Rye, M1
  “Post-operative Pain Management of Pediatric Urological Procedures”
  Mentor: Douglas W. Storm, MD - Urology; Pediatrics