

Medical Student Research Conference Awards

September 16, 2022

Mentor Awards

2022 Summer Research Fellowship Outstanding Mentor in Basic Science Research

Marlan Hansen, MD - Otolaryngology

Nominated by Caleb Escudero, M2

2022 Summer Research Fellowship Outstanding Mentor in Clinical Research

Lyndsay Harshman, MD – Pediatrics-Nephrology, Dialysis and Transplantation

Nominated by Elliot Stalter, M2

2022 Summer Research Fellowship Outstanding Mentor in Translational Research

Cesar de Cesar Netto, MD, PhD – Orthopedics and Rehabilitation

Nominated by Hannah Stebral, Ryan Jasper, Vineel Mallavarapu and Nathan Chen, M2s

Student Research Awards – Foundation

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

Bryan Mouser, M2 **ORAL**

Title: "Are Ankle Contact Stresses Elevated Following Low-Energy Ankle Fractures?"

Mentor: Don Anderson and Jason Wilken, Orthopaedics and Rehabilitation

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

Cameron Vannoy, M1 **Poster**

Title: "Hidden Mechanisms Of Coding Pathogenic Variants In Ptprq"

Mentor: Richard Smith and Hela Azaiez, Otolaryngology

Borts Award (U of I Foundation Award)

Zack Fleishhacker, M4 **Poster**

Title: Development Of The Ideal Pediatric Airway Emergency Cart: Standardization, Streamlining, And Simulation"

Mentor: Sohit Kanotra, Otolaryngology

Edward Heath Award (U of I Foundation Award)

Noah Scigliano, M1 **ORAL**

Title: "The Effect Of Full-Body Weight Loading On Ulnar Variance: An Upper Extremity Wbct Study"

Mentor: Joseph Buckwalter V, Orthopaedics and Rehabilitation

Melvin Marcus Clinical Research Award (U of I Foundation Award)

Sadie Solomon, M1G **Poster**

Title: "After The Storm: Post-Viral Neuropathies In Covid-19 And Influenza"

Mentor: Martha Carvour, Internal Medicine

Excellence in Global Health Programs Research Award

JaNiese Jensen, M2 **ORAL**

Title: *"The Association Of Pelvic Floor Disorders With Risk Factors Among Parous Ugandan Women"*

Mentor: Kimberly Kenne, Obstetrics & Gynecology

Student Research Awards - Departmental

Excellence in Anatomy and Cell Biology Research

Grace Gasser, M1G **Poster**

Title: *"Defining Pulmonary Ionocyte Biology Using The Foxi1-Ko Ferret Model"*

Mentor: John Engelhardt, Anatomy & Cell Biology

Margaret V. Lunsford Award for Research in Anesthesia

Olivia Snyder, M4 **Poster**

Title: *"Trending Ability Of Cardiac Output Measurement By Lidco Rapid™ And Transesophageal Echocardiography In Elective Cardiac Surgery: A Comparison With Thermodilution"*

Mentor: Sudhakar Subramani, Anesthesia

Excellence in Anesthesia Research

Alaina Berg, M3 **ORAL**

Title: *"Increased Guideline Adherence And Decreased Ards Incidence With Protocolized Mechanical Ventilation"*

Mentor: Nicholas Mohr, Emergency Medicine

Arthur A. Spector Award in Basic Biomedical Research

Alex Dou, M2 **Poster**

Title: *"Dissociating The Structural Determinants Of Angptl3-Mediated Inhibition Of E1 And Lpl"*

Mentor: Brandon Davies, Biochemistry

Nicholas P. Rossi Award for Cardiothoracic Surgery Research

Carolina Chu, M2 **ORAL**

Title: *"Evaluating Colony Formation Efficiency (Cfe) Of Basal Cells Along Different Levels Of The Ferret Airway"*

Mentor: Kalpaj Parekh, Cardiothoracic Surgery

Excellence in Dermatology Research

Alex Marti, M2 **ORAL**

Title: *"Efficacy Of Intralesional Steroid Injections In The Treatment Of Cutaneous Lymphoma: Experience At An Academic Medical Center And Review"*

Mentor: Vincent Liu, Dermatology

Excellence in Emergency Medicine Research

Gabrielle Frediani, M2 **ORAL**

Title: *"A Nationwide Emergency Department Data Analysis To Evaluate Health Disparities In High-Risk Medication Use Among Older Adults"*

Mentor: Sangil Lee, Emergency Medicine

Excellence in Family Medicine Research

William Tsai, M2 **Poster**

Title: *"Evaluating Provider Perspectives On Using Agenda Setting With Patients"*

Mentor: Kelly Skelly, Family Medicine

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

Maddi McCullough, M2 **Poster**

Title: *“Evaluating Hypotension As A Predictor Of Cardiovascular Physiology In Premature Infants”*

Mentor: Danielle Rios, Pediatrics

John Stokes Award for Research in Internal Medicine

Grace Lee, M3 **ORAL**

Title: *“Lung Cancer Screening Program Adherence In A Tertiary Academic Center”*

Mentor: Richard Hoffman, Internal Medicine

Excellence in Internal Medicine Research

Kathy Nguyen, M2 **Poster**

Title: *“Effects Of Covid-19 On Protein C Activation”*

Mentor: Steven Lentz, Internal Medicine

Excellence in Internal Medicine Research

Abbie McKernan, M2 **Poster**

Title: *“Screening Of Acquired Long Qt-Prolonging Drugs In Induced Pluripotent Cardiac Stem Cells Reveals Trafficking Defects In Herg”*

Mentor: Barry London, Internal Medicine

Excellence in Microbiology and Immunology Research

Tyler Atagozli, M2 **ORAL**

Title: *“Constitutive Activation Of Stat6 Regulates Graft-Versus-Host Disease And Preserves Graft-Versus-Tumor Effect After Allogeneic Bone Marrow Transplantation”*

Mentor: M Nedim Ince, Internal Medicine

Research Excellence in Molecular Physiology and Biophysics

Michelle Chen, M2G **ORAL**

Title: *“The Role Of Social Touch Neurons In Stress Resilience”*

Mentor: Rainbo Hultman, Molecular Physiology and Biophysics

Excellence in Basic Neuroscience Research

Richie Zhang, M2 **Poster**

Title: *“Efferent Projections Of Nps Parabrachial Neurons In Mice”*

Mentor: Joel Geerling, Neurology

Excellence in Clinical Neuroscience Research

Hunter Twedt, M1G **Poster**

Title: *“Basal Ganglia Network Alterations In Parkinson'S Disease”*

Mentor: Nandakumar Narayanan, Neurology

Excellence in Translational Neuroscience Research

Victor Kilonzo, M1 **Poster**

Title: *“Prefrontal D1Dr-Expressing Neuronal Ensembles In Cognitive Processing”*

Mentor: Nandakumar Narayanan, Neurology

Excellence in Clinical Research in Obstetrics & Gynecology

Renee Cafun, M2 **ORAL**

Title: *“Antiphospholipid Antibodies – Should We Screen All Women With Recurrent Pregnancy Loss?”*

Mentor: Brad Van Voorhis, Obstetrics & Gynecology

Excellence in Obstetrics & Gynecology Research

Michaela Kiel, M2 **ORAL**

Title: *“Psychiatric And Obstetric Disease Share Vascular Mechanisms In The Rgs2 Knockout Mouse”*

Mentor: Mark Santillan, Obstetrics & Gynecology

Thomas A. Weingeist Award in Ophthalmology

Matthew Kigin, M2 **ORAL**

Title: *“Dmek Scrolls At 2,000 Frames Per Second: The Relationship Between Scroll Velocity And Tissue Characteristics”*

Mentor: Christopher Sales, Ophthalmology & Visual Sciences

William E. Scott Research Award in Ophthalmology

Emma Hartness, M2 **Poster**

Title: *“Development Of A Portable Automated Evaluation Of Ocular Misalignment”*

Mentor: Randy H. Kardon and Alina Dumitrescu, Ophthalmology & Visual Sciences

Hansjoerg E. Kolder Award for Ophthalmology Research

Erin Capper, M2 **ORAL**

Title: *“Early Utilization Of Ketogenic Diet Worsens Visual And Motor-Sensory Deficits In Animal Model Of Multiple Sclerosis”*

Mentor: Oliver Gramlich, Ophthalmology & Visual Sciences

Ignasio V. Ponseti Prize in Orthopaedic Research

Hannah Stebral, M2 **ORAL**

Title: *“Defining Normal Articular Characteristics Of The Primary Joints Of The Foot And Ankle: A 3D Hounsfield Algorithm Weight Bearing Ct Study”*

Mentor: Don Anderson, Orthopaedics and Rehabilitation

Research Excellence in Orthopaedics

Amy Zeller, M2 **ORAL**

Title: *“The Functional Consequences Of Radiation Treatment In Soft Tissue Sarcoma Of The Extremity”*

Mentor: Benjamin Miller, Orthopaedics and Rehabilitation

Excellence in Otolaryngology Research

Caleb Escudero, M2 **Poster**

Title: *“Thin Film Zwitterionic Hydrogel Coating On Inner Surfaces Of Tympanostomy Tubes Facilitates Mucus Discharge”*

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

Richard G. Lynch Award for Excellence in Pathology Research

Claire Jager, M2 **ORAL**

Title: *“Changes In Igg Levels In Patients Treated With Plasma Exchange Using 5% Albumin With Or Without Ivig Vs Plasma”*

Mentor: Michael Knudson, Pathology

Richard G. Lynch Award for Excellence in Pathology Research

Sam Swartz, M4 **Poster**

Title: "A One-Year Prospective Study Of All Delivering Women At A Midwest Academic Health Center"

Mentor: Brooks Jackson, Pathology

Excellence in Pediatric Basic Science Research

Ashray Mohan, M2 **ORAL**

Title: "The Evaluation Of 3D And Augmented Reality Models In Teaching Of Congenital Heart Diseases"

Mentor: Ravi Ashwath, Pediatrics

Excellence in Pediatric Clinical Research

Stephanie Saey, M4 **ORAL**

Title: "Experience With Subcutaneous Desmopressin In Patients With Von Willebrand Disease (Vwd) And Qualitative Platelet Function Disorders"

Mentor: Anjali Sharathkumar, Pediatrics

Excellence in Neuroscience and Pharmacology Research

Sam Hatfield, M1G **Poster**

Title: "Confirmation Of Cre-Inducible Rabl6A Overexpression In Mouse Embryo Fibroblasts"

Mentor: Dawn Quelle, Pharmacology

George Winokur Research Award in Psychiatry

Jon Sikora, M2 **Poster**

Title: "Behavioral Characterization Of Mouse Models Of Scn2A-Related Autism"

Mentor: Aislinn Williams, Psychiatry

Bob Robinson Research Award in Psychiatry

Nathen Spitz, M2 **Poster**

Title: "The Temporal Association And Differential Decrease Of Depression Symptomatology Between 10 Hz Repetitive Transcranial Magnetic Stimulation (Rtms) And Intermittent Theta Burst Stimulation (Itbs)"

Mentor: Nicholas Trapp, Psychiatry

Lauretta Bender Research Award in Psychiatry

David Turaczyk Kolodziej, M2 **ORAL**

Title: "Investigating Functional Connectivity Of Cortical Networks In Presymptomatic Children And Adolescents At Risk For Huntington'S Disease"

Mentor: Peg Nopoulos, Psychiatry

Jason Martin Medical Student Research Award in Radiology

Eric Bracken, M2 **Poster**

Title: "Image-Based Assessment Of Smoking Associated Emphysema Etiology"

Mentor: Eric A. Hoffman, Radiology

Larry W. Oberley Award in Radiation Oncology

Alex Leach, M2 **ORAL**

Title: "Use Of Novel Biofoams To Improve Diabetic Wound-Healing"

Mentor: James Byrne, Radiation Oncology

Kimberly Ephgrave Medical Student Award for Research in Surgery

Braden Rolig, M2

ORAL

Title: "A Decade Of Oncologic Breast Reconstruction Outcomes"

Mentor: Kelly Ledbetter, Surgery

Excellence in Urology Research

Ian McElree, M2

ORAL

Title: "Sequential Intravesical Gemcitabine And Docetaxel Versus Bacillus Calmette–Guérin For The Treatment Of High-Risk Non-Muscle Invasive Bladder Cancer"

Mentor: Vignesh Packiam, Urology