

13th Annual Research & Service Symposium

Wednesday, November 1, 2023

12:00 – 12:50 PM Keynote Address

Kresge Auditorium

“Mind over Matter: An Introduction to Recognizing & Responding to Mental Health Crises”

Co-presenters: **Raghad Kodvawala & Harsimran Makkad**
2nd year Medical Students



[Join Zoom Meeting](#)
Meeting ID: 980 4934 8527
Passcode: 012335

1:00 – 2:00 PM
2:00 – 3:00 PM Poster Sessions

E Level - MSB and CARE/Crawley

Student presenters are assigned to either the first or second hour at which time they will be available to discuss their summer projects.

A program
listing and
event map
follow.

Co-sponsored with UCCOM Medical Student Grand Rounds, Research & Industry Relations Committee, Internal Medicine Interest Group, and Student Affairs.

13th Annual Research & Service Symposium

SESSION 1: 1:00-2:00 PM

BASIC SCIENCE	
Poster #	Presentation Information
1	<u>Quantitative Profiling of Fecal Microbes in Mice</u> JACKSON, A SMURRF
3	<u>Investigating the Role of CXCR2 in Head and Neck Cancer</u> BACHMANN, L MSSRP, Hematology and Oncology
5	<u>Unraveling Chronic Itch: Exploring TRPC3 through Calcium Imaging</u> BAUMEYER, A Anesthesiology
7	<u>Evaluating Cytokine and Pro-Fibrotic Extracellular Signaling in DUOX2 Genetic Variant Human Intestinal Organoids with Microbiota Metabolite Exposures</u> CHAPPELL, K MSSRP, CCHMC Gastroenterology
9	<u>Understanding Risk Factors for Lung Cancer in the University of Cincinnati's Catchment Area</u> FRANK, E Cardiothoracic Surgery, CREST program
11	<u>Cell type-specific microRNA Regulation in Catamenial Epilepsy</u> HUFFMAN, L CCHMC Neurology
13	<u>Amitriptyline Attenuates the Red Blood Cell Storage Lesion in Whole Blood</u> NGUYEN, C Surgery
15	<u>Association of ABO blood types with psychiatric disorders: Potential biomarkers of genetic susceptibility?</u> PAUL, I Psychiatry and Behavioral Neuroscience
17	<u>Mitchell-Riley Syndrome: Investigating the Molecular Basis of RFX6-Dependent Morphogenetic Events using Amphibian Xenopus</u> WOODS-DAWSON, J MSSRP Developmental Biology

SESSION 1: 1:00-2:00 PM

CLINICAL MEDICINE	
Poster #	Presentation Information
19	<u>Comparison of Exercise Protocols for Diagnosing Pediatric Unexplained Dyspnea on Exertion</u> BROWN, E SMURRF
21	<u>A single-center retrospective evaluation of the safety and efficacy of cenobamate in treating seizures in children</u> CHO, E Child Neurology
23	<u>Using UTE and Hyperpolarized 129Xe MRI to Compare Lung Defects in Pediatric Cystic Fibrosis Patients of Varying Ages</u> DUBBAKA, S SMURRF
25	<u>Hospitalization Outcomes Associated with Evidence-Based Recommendations for the Management of Pneumonia in Children with High-Intensity Neurologic Impairment</u> GAMBLE, H SMURRF, Hospital Medicine
27	<u>Evaluating Manners of Measuring Shoulder Health</u> GERAK, S Orthopaedic Surgery
29	<u>Preliminary Analysis of Moyamoya Patient Population at Cincinnati Children's Hospital Medical Center</u> HAFAEEZ, H CCHMC Neurology, MSSP-Neuroscience
30	<u>Engaging rural community gatekeepers in lethal means counseling</u> HANSON, E MSSP-Psychiatry and Behavioral Neuroscience

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SESSION 1: 1:00-2:00 PM

CLINICAL MEDICINE (continued)	
Poster #	Presentation Information
31	<u>A Systematic Review of Hippocampal Volumetric Changes Post-ECT in Patients with MDD</u> HARABURDA, J Psychiatry and Behavioral Neuroscience
34	<u>Predictive factors for Endoscopic Healing, Transmural Healing, and Deep Transmural Healing in Children Receiving Anti-TNF for Crohn's Disease</u> HORRELL, A MSSRP, CCHMC Gastroenterology, Hepatology, and Nutrition
36	<u>Pulmonary Responses Following Cardiac Rehabilitation and Relationship with Functional Outcomes in Children and Young Adults with Heart Disease</u> KERSHNER, C SMURRF, Pediatric Cardiology
39	<u>Improving surgical epilepsy outcomes by identifying temporal seizure subtypes</u> LEE, O CCHMC Neurology
41	<u>Epidemiology of Invasive Fungal Disease in Pediatric Heart Transplant Recipients</u> LIVERSEGE, M Pediatric Infectious Disease
43	<u>Comparison of Two Decision Aids in the Identification of Acute Coronary Syndrome within 90 Days of Emergency Department Patients with Chest Pain</u> LUKE, J Emergency Medicine
45	<u>Estimation of VO2 Max Is Improved By Incorporating Handgrip Strength Into An Existing Estimating Equation</u> MEHAL, A; FURNISS, D Adult Congenital Heart Disease Program
47	<u>MOMs (Mental Health for Ohio Moms) - A survey-based study to assess physician and perinatal women's perspectives on perinatal mental health care availability and accessibility across the state of Ohio.</u> MOONEY, M; WHITAKER, P; GIORDULLO, I; Psychiatry and Behavioral Neuroscience
49	<u>Musculoskeletal Changes in Patients on Drug Therapy for Spinal Muscular Atrophy</u> OSMAN, A Neurology
51	<u>Clinician Prescribing Patterns in Adolescents with Bipolar Spectrum Disorders</u> PEELE, M Psychiatry and Behavioral Neuroscience
54	<u>Risk of Severe Maternal Morbidity among Pregnancies complicated by Pregestational Diabetes</u> RECKAMP, K OB/GYN
56	<u>Fontan-Associated Liver Disease: Review of Surveillance Practices for Hepatocellular Carcinoma</u> RUBADEAUX, D CCHMC Radiology
58	<u>Neuromuscular Disease: It Can Take Your Breath Away Adherence to Respiratory Guidelines in Patients with Neuromuscular Disease at UC</u> SEBREE, J Neurology and Rehabilitation Medicine
60	<u>From Symptom Onset to Finding Appropriate Care: Comparing Contributions of Help-seeking Behavior in the Pathway of Care of Patients with First Episode Psychosis</u> SLAUGHENHAUPT, R MSSP
62	<u>Associations between Bronchopulmonary Dysplasia and Brain Structural Connectivity Abnormalities in Very Preterm Infants</u> SRI, A SMURRF
63	<u>Unraveling Bleeding Complications in the CVICU: A Retrospective Study of Anticoagulant Strategies for Mechanical Circulatory Support Patients</u> STAMLER, B The Christ Hospital Lindner Research Center
64	<u>Factors Associated with Positive Margin Rates in Basal Cell Carcinoma and Squamous Cell Carcinoma Excisions</u> STICHERT, V Office of Research
66	<u>Efficacy of Integrative Medicine Therapies on Chronic Headache Severity: A Retrospective Study</u> TRICHY, N Osher Center for Integrative Health

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SESSION 1: 1:00-2:00 PM

CLINICAL MEDICINE (continued)	
Poster #	Presentation Information
67	<u>Association between Statin Use, and Post-Liver Transplant Adverse Cardiovascular Events and Mortality</u> UKARAJIT, C MSSRP, Digestive Diseases
68	<u>Automated Detection of Intracranial Vessel Occlusions: Real-World Experience in a Large, Comprehensive Stroke Center</u> WEISS, K Radiology
70	<u>Investigating the Short and Long-term Impact of Forward vs Backward Treadmill Training on Stroke-Induced Spasticity</u> WILKINSON, C Neurology and Rehabilitation Medicine
72	<u>Suicidality Assessment, PreVention, and Emergency Activation (SAVE) Development of a Brief Suicide Risk Assessment Program in Non-Psychiatric Clinics</u> YANO, R Psychiatry and Behavioral Neuroscience

SESSION 1: 1:00-2:00 PM

CLINICAL SURGICAL	
Poster #	Presentation Information
74	<u>Quantitative Assessment of a Perfusion Pump Model Representing Intrathecal Pressure in a Cadaveric Model</u> BAL, G Neurosurgery, Goodyear Lab
77	<u>Clinical Outcomes of Single, Double, or Triple Ankle Arthrodesis with use of Augment Bone Graft versus Autograft</u> DREXELIUS, A Orthopaedic Surgery
79	<u>Hypoglossal Nerve Stimulation in the Pediatric Population</u> HUTCHINS, N Pediatric Otolaryngology
81	<u>Neuraxial Versus General Anesthesia in Pregnancies Complicated by Placenta Accreta Spectrum</u> JOHNSON, C OB/GYN
83	<u>Comparison of Low-Velocity Ballistic Tibial Fractures vs the General Population</u> RETZLOFF, Q; GAO, A Orthopaedic Surgery
85	<u>Virtual Interviewing and Changes in Applicant Competitiveness and Program Interviewing Effort</u> XU, C DSMSSRP - Surgery

SESSION 1: 1:00-2:00 PM

OTHER	
Poster #	Presentation Information
87	<u>Gender-Affirming Vocal Care Coverage in Ohio by Insurance Provider and Policy Type</u> DUBEY, I Communication and Science Disorders
89	<u>The Association Between EHR Usage Patterns and Clinical Performance</u> JENNINGS, K Internal Medicine
91	<u>Current Practices in Spontaneous Awakening Trials and Spontaneous Breathing Trials in the Medical Intensive Care Unit: A Quality Improvement Initiative</u> KRALOVICH, G MSSP-Pulmonary
93	<u>A Multi-Method Approach to Incorporating LGBTQIA2+ Health and Lived Experiences into Preclinical Medical Education</u> SOSA, D Medical Education, Family and Community Medicine
95	<u>The Community Primary Care Champions Fellowship: Preparing Physicians and Physician Assistants to Lead Primary Care Transformation</u> VELASQUEZ, V Family and Community Medicine

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SESSION 1: 1:00-2:00 PM

SERVICE	
Poster #	Presentation Information
96	<u>Bridging the Gap with Vacaciones Útiles</u> ABATA, A; EDWARDS, R Urban Health Project
99	<u>Women Leading Health Change's Curriculum Improves Sexual and Mental Health Literacy in Vulnerable Women Populations in Cincinnati, Ohio</u> KAFLE, S; BUCKLEY, M; DONAHER, A; PAPPAS, A; HARDESTY, K; KNAUER, M; HILL, R; RAY, S; ANAS, S Public Health Policy and Research Program
102	<u>Health-Related Social Needs: Connecting Patients to Community Resources</u> MURPHY, G; LEIBOLD, J Urban Health Project
104	<u>Addressing Gaps in Institutional Multi-Drug Resistant Organism (MDRO) Infection Prevention and Control</u> WALTON, P Public Health Policy and Research Program
106	<u>Health and Science Curriculum at Project Connect</u> WILLICUT, A; GERKEN, M Urban Health Project

SESSION 1: 1:00-2:00 PM

TRANSLATIONAL	
Poster #	Presentation Information
108	<u>Measuring Spreading Depolarizations with an Intraparenchymal Depth Electrode</u> DENT, G Neurosurgery
109	<u>2D ROC Analysis for Passive Cavitation Imaging of Ultrasound-mediated Histotrypsy</u> GILL, B MSSRP
112	<u>Dynamics of infant nasopharyngeal microbiome over the first year of life</u> KIM, H
114	<u>Does Psychotherapy Reduce Inflammation in Patients with Major Depressive Disorder?</u> MANTEY, A Psychiatry and Behavioral Neuroscience
116	<u>Evaluation of correlation between Diopsys® NOVA™ fixed-luminance flicker ERG and Diagnosys® Espion 2™ flicker ERG parameters</u> REGENOLD, J Stanford University School of Medicine, Ophthalmology
118	<u>Localization of Clonally Expanded CD8+ T Cells in Rejecting Kidney Allografts</u> WILKERSON, P CCHMC Immunobiology

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SESSION 2: 2:00-3:00 PM

BASIC SCIENCE	
Poster #	Presentation Information
2	<u>Multi-Modal VTE Prophylaxis Aids in Risk Reduction Following Splenectomy in Female and Male Mice</u> ARCHDEACON, C Surgery
4	<u>Subcellular Localization of Alternatively Spliced Tissue Factor in Hepatocytes in Health and in Disease</u> BACKMAN, C MSSRP, Internal Medicine
6	<u>CASP8AP2, the Regulation of Hematopoiesis and Effect on Graft versus Host Disease After Bone Marrow Transplant</u> BOLDT, A Bone Marrow Transplant
8	<u>Viral Predictors of BK Polyomavirus Associated Hemorrhagic Cystitis</u> CHOKSHI, S MSSRP, Digestive Diseases
10	<u>Human pegivirus type 1 (HPgV-1) in persons at risk of HIV and/or opioid use</u> GERHARDT, A Internal Medicine, Infectious Disease
12	<u>Sucrose-Induced Modification of Peri-Neuronal Nets May Potentiate Stress-Related Chronic Obesity</u> LENTZ, T MSSRP, Pharmacology and Systems Physiology
14	<u>Vocal Fold and Airway Injury Models in Canine, Porcine, Rabbits, and Rats: A Scoping Review</u> PATEL, R Otolaryngology
16	<u>The Potential Role of BCAA in the Generation of Pro-Inflammatory EVs in Obesity</u> POULOS, A MSSRP, CCHMC Endocrinology

SESSION 2: 2:00-3:00 PM

CLINICAL MEDICINE	
Poster #	Presentation Information
18	<u>Point of Care Ultrasound Screening of Asymptomatic Patellar Tendons in College Athletics: A Longitudinal Study</u> BARNES, T Orthopaedics
20	<u>Association of Trimester Specific Smoking Cessation and Risk of Stillbirth</u> BUCKLEY, M OB/GYN
22	<u>Association between blood-pressure and pregnancy outcomes in mothers with Sickle Cell Disease</u> DAVIS, C.S. Office of Research
24	<u>An Actigraphy-Based Exploratory Analysis of Circadian Rhythms in Patients with Binge Eating Disorder</u> FU, J Psychiatry and Behavioral Neuroscience
26	<u>Overall symptom severity score for chronic rhinosinusitis: what it reflects and how to measure it</u> GARCIA, J Otolaryngology
28	<u>Impact of Parental Leave After Early Pregnancy Loss on Mental Health</u> GRAYSON, A MSSP-Women's Health
32	<u>Aripiprazole Pharmacokinetics Are Influenced by CYP2D6 Metabolizer Status in Pediatric Patients</u> HIKEN, E Psychiatry and Behavioral Neuroscience
33	<u>Racial and ethnic disparities in treatment strategies and pregnancy outcomes of women with gestational diabetes</u> HILL, R OB/GYN, Maternal Fetal Medicine
35	<u>"I just don't think they give you enough": Defining High-Quality Post-Diagnosis Care for Dementia in Primary Care</u> KELLY, E IMSTAR

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SESSION 2: 2:00-3:00 PM

CLINICAL MEDICINE (continued)	
Poster #	Presentation Information
37	<u>Collaborative Healthcare: How We Serve in Centering Group Visits</u> KNAUER, M Integrative Medicine
38	<u>Impact of a Risk Stratified Protocol for Resumption of Antithrombotic Medication in Mild Traumatic Brain Injury Patients</u> KODVAWALA, R Neurosurgery
40	<u>Characteristics associated with Strongyloides stercoralis-seropositivity in transplantation patients</u> LIU, V Infectious Diseases
42	<u>A CardiOH Dyad Summer Study on the Effects of Particulate Fine Matter: a production & dissemination of evidence-based best practices for primary care teams</u> LOPEZ, S MSSP-Family Medicine, CardiOH, OAFP
44	<u>T1 Signal Intensity Ratio Variability Based on Sampling Strategies in the Pancreas</u> MATHUR, A CCHMC Radiology
46	<u>Prevalence of Alzheimer's Disease in Epilepsy Patients</u> MITTERMEIER, M MSSP-Neuroscience, Neurology and Rehabilitation Medicine
48	<u>Not Only Epilepsy: A Case Report and Review of the Literature Establishes DEPDC5 as a Neurodevelopmental Syndrome in addition to Causing Familial Focal Epilepsy</u> MURPHY, G; EDWARDS, R CCHMC Human Genetics
50	<u>Characterizing the relationship between early enrollment and patient outcomes in UC cardiac rehabilitation clinics</u> PARAIL, N Internal Medicine
52	<u>Examining differences in nasal airway anatomy between healthy individuals and individuals with nasal polyps using CT</u> RAICH, Z Otolaryngology-Head and Neck Surgery
53	<u>Patient-centered mTBI interventions in the Emergency Department</u> RAY, S; LUKE, J Emergency Medicine
55	<u>Early Prognostication for Cerebral Palsy in Children Born Preterm: A Systematic Review</u> ROY, S Neonatology
57	<u>Toxicity after Proton Beam Therapy for New and Recurrent Breast Cancer</u> SCHUMACHER, M Radiation Oncology
59	<u>Psoriasisiform Dermatitis in Pediatric Patients Treated with TNF-alpha Inhibitors</u> SHAHIN, M Dermatology
61	<u>Prenatally Identified Congenital Aqueductal Stenosis: Short- and Long-Term Neurodevelopmental Outcome</u> SMITH, N MSSP-Child and Adolescent Health, Child Neurology
65	<u>Bucking the Trend: A Descriptive Study of Opioid Overdose Deaths in Hamilton County Ohio</u> TREON, A Emergency Medicine
69	<u>Associations between post-concussive symptoms and school needs following mild traumatic brain injury</u> WHITLEY, M MSSP-Child and Adolescent Health, CCHMC Physical Medicine and Rehabilitation
71	<u>Explorative Study of Charting Practices of Physicians with Regards to The Disease and Comorbidities of Cerebral Palsy Patients</u> WOLF, W Neurology and Rehabilitation Medicine

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SESSION 2: 2:00-3:00 PM

CLINICAL SURGICAL	
Poster #	Presentation Information
73	<u>Declining Recommended Surgery and Other Treatment in Early-Stage Non-Small Cell Lung Cancer</u> AGLER, C Thoracic Surgery
75	<u>The Effect of Marijuana Use on Pediatric and Young Adult Breast Reduction Surgery Complication</u> BUISSON, C Plastic Surgery
76	<u>Evaluation of pregnancy outcomes between Harrison and Rocket Shunt placement</u> DONAHER, A MSSP-Women's Health
78	<u>Long Term Outcomes of Genicular Radiofrequency Ablation for Chronic Knee Pain</u> EARY, K Anesthesiology Pain Medicine
80	<u>3D Volumetric Analysis of Alveolar Clefts Using Cone-Beam Computed Tomography</u> JAMES, T Plastic Surgery
82	<u>Fetal Characteristics and Outcomes of Patients That Do Not Undergo In Utero Spina Bifida Repair</u> NISSEN, K.S. OB/GYN
84	<u>Treatment Approaches and Outcomes for Superior Hypophyseal Artery Aneurysms: A Systematic Review and Retrospective Institutional Series</u> SCHAFFER, L MSSP-Neurosurgery

SESSION 2: 2:00-3:00 PM

OTHER	
Poster #	Presentation Information
86	<u>Point-of-Care Ultrasound in the Emergency Department for Ectopic Pregnancy</u> BROOKS, M Emergency Medicine
88	<u>Codesign Results of the Heart Healthy Ohio Quality Initiative (HHOI) Quality Improvement Project: A Statewide Primary Care Cardiovascular Health Collaborative</u> GUPTA, N Family and Community Medicine
90	<u>Serving At-risk youth Fellowship Experience- specialty Training (SAFE-T) Improves Fellows' Knowledge, Teamwork Skills, and Confidence in Aiding Populations with Substance Use Disorder</u> KAFLE, S Family and Community Medicine
92	<u>Assessing individual- and community-level proxies of socioeconomic status to improve racial fairness of pediatric asthma prediction algorithms</u> MAKKAD, H SMURRF
94	<u>Cluster Analysis of Medicare Evaluation and Management Billing Shows Distinct Behavioral Groups and Association between Dermatologist Age, Gender, and Patient Age</u> SPRAUL, A Office of Research

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SESSION 2: 2:00-3:00 PM

	SERVICE
Poster #	Presentation Information
97	<u>Community Response to 3rd Annual Live Healthy & Move Fair</u> ALLAIRE, D Urban Health Project
98	<u>CHECK Foster Care Center: Analysis of Risk Factors and Associations between ADHD and PTSD in Foster Care Youth</u> ANAS, S Urban Health Project
100	<u>The Air Quality Crisis in Cincinnati, Ohio</u> MARTIN, M Urban Health Project
101	<u>University of Cincinnati Department of Family Medicine: the Belterra Race Track Clinic</u> MITCHELL, C Family and Community Medicine, Urban Health Project
103	<u>New Beginnings in End-of-Life Care</u> PARRILLA, F Urban Health Project
105	<u>Gynecological Health Screening in a Vulnerable Population: Screening Rates at a Federally Qualified Health Center Serving the Unhoused in Cincinnati</u> WELLS, A Urban Health Project

SESSION 2: 2:00-3:00 PM

	TRANSLATIONAL
Poster #	Presentation Information
107	<u>Developing a laryngeal optical tissue phantom for light-activated drug delivery</u> CRUZ, D Otolaryngology-Head and Neck Surgery
110	<u>ChatGPT is a Promising Tool to Improve Readability of Orthopaedic Surgical Consent Forms</u> GILL, B Orthopaedics
111	<u>Effect of Environmental PFAS Exposure on Pediatric Neuromorphometry: The HOME Study</u> HARABURDA, J CCHMC Radiology
113	<u>A patient-derived in vitro model of transplant-associated thrombotic microangiopathy for the study of organ-specific endothelial injury mechanisms</u> LEEVEER, G CCHMC Bone Marrow Transplantation and Immune Deficiency
115	<u>Assessing the Risk of Breast/Chest Cancer in Transgender & Gender-Diverse Patients</u> MARTINEZ, A Family and Community Medicine
117	<u>Human Trafficking: Screening and Linkage to Care</u> VEMURU, P Emergency Medicine

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Participants

YELLOW = SESSION 1 - BLUE = SESSION 2

BASIC SCIENCE

1. Jackson Alexander
2. Chad Archdeacon
3. Lindsey Bachmann
4. Charles Backman
5. Alexis Baumeyer
6. Abigail Boldt
7. Kate Chappell
8. Saagar Chokshi
9. Emerald Frank
10. Adam Gerhardt
11. Lucas Huffman
12. Taylor Lentz
13. Christopher Nguyen
14. Rahul Patel
15. Ishani Paul
16. Andrew Poulos
17. Jaide Woods-Dawson

CLINICAL MEDICINE

18. Tyler Barnes
19. Elliott Brown
20. Morgan Buckley
21. Eugene Cho
22. Camryn Sinclair Davis
23. Shivatej Dubbaka
24. John Fu
25. Heather Gamble
26. Jack Garcia
27. Samuel Gerak
28. Alexandra Grayson
29. Hassan Hafeez
30. Eva Hanson
31. Jasmine Haraburda
32. Elijah Hiken
33. Rachel Hill
34. Alexa Horrell
35. Elizabeth Kelly
36. Cassidy Kershner
37. Megan Knauer
38. Raghad Kodvawala
39. Olivia Lee
40. Victoria Liu
41. Matthew Liversedge
42. Sofia Lopez
43. Jude Luke
44. Arjun Mathur
45. Adam Mehal
46. Maura Mittermeier
47. Mary Mooney
48. Grace Murphy
49. Abdelrahman Osman
50. Nikhil Parail
51. Micaiah Peele
52. Zachary Raich
53. Sarah Ray
54. Katherine Reckamp
55. Shalini Roy
56. Derek Rubadeaux
57. Madeline Schumacher
58. Jacob Sebree
59. Muayad Shahin
60. Ryan Slaughenhaupt
61. Noah Smith
62. Anoocha Sri

CLINICAL MEDICINE

63. Benjamin Stamler
64. Valerie Stichert
65. Alexander Treon
66. Nithya Trichy
67. Clifford Ukarajit
68. Kara Weiss
69. Megan Whitley
70. Clark Wilkinson
71. Wesley Wolf
72. Rainier Yano

CLINICAL SURGICAL

73. Clayton Agler
74. Gabriella Bal
75. Charlotte Buisson
76. Addison Donaher
77. Amy Drexelius
78. Kathryn Eary
79. Nicholas Hutchins
80. Trent James
81. Charsey Johnson
82. K. Schuyler Nissen
83. Quinn Retzlöff
84. Lauren Schaffner
85. Catherin Xu

OTHER

86. Michael Brooks
87. Ishita Dubey
88. Natasha Gupta
89. Kate Jennings
90. Sweta Kaffle
91. Georgia Kralovich
92. Harsimran Makkaad
93. Delia Sosa
94. Allison Spraul
95. Veronica Velasquez

SERVICE

96. Andrew Abata
97. Danielle Allaire
98. Sydney Anas
99. Sweta Kaffle
100. Mackenzie Martin
101. Claire Mitchell
102. Grace Murphy
103. Faith Parilla
104. Paxton Walton
105. Abigail Wells
106. Ashley Willcutt

TRANSLATIONAL

107. Denzel Cruz
108. Gabrielle Dent
109. Bissem Gill
110. Bissem Gill
111. Jasmine Haraburda
112. Hannah Kim
113. Grant Loeffer
114. Alvin Mantey
115. Arielle Martinez
116. Jonathan Regenold
117. Priyanka Vemuru
118. Patrick Wilkerson



13th Annual Research & Service Symposium

THANK YOU!

for the time and effort provided by many in planning, organizing, and executing this event. Without the support of others, this opportunity for our medical students would not be possible.

Special thanks to...

- ★ Keynote Speakers
- ★ Student Presenters and Mentors
- ★ Reviewers: Faculty, Postdoc/Grad Students, Residents, Alumni, Research Assistants
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- ★ Research & Industry Relations Committee
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