

POSTER SESSION 2 DIRECTORY

Poster Number	Name	Category	Research Category	Poster Title
1	Francisca Acosta, PhD	Postdoctoral Fellow	Metabolism	Retrospective Comparison of Antihyperglycemic Agents, GLP-1R Agonists and SGLT-2 Inhibitors, for Post-Transplant Diabetes Management in Kidney Transplant Recipients
2	Beverly Hu, BA	Medical Student	Metabolism	Design of a Pilot Study to Evaluate Novel Anti-Diabetic Therapy in Kidney Transplant Recipients
3	Azan Ibrahim, BS	Medical Student	Metabolism	Subtotal Cholecystectomy in the Setting of Aberrant Bile Duct Anatomy
4	Jakson Johnson, BS	Medical Student	Metabolism	Developing Deep Learning Model for Mineral Composition of Kidney Stones
5	Yusuf Khan, BS	Medical Student	Metabolism	Developing an Explainable Machine Learning Model for Mineral Composition of Kidney Stones
6	Noah Lawrence, BS	Staff	Metabolism	TLR4-induced Local Inflammation Critically Regulates Glucose Homeostasis
7	Christopher Litwin	Graduate Student	Metabolism	"A Novel Method of Protein Secretion from Liver Reveals Time-dependent Hepatokines"
8	Desirae Morales, MS	Graduate Student	Metabolism	Diet-Enhanced LRG1 Expression Promotes Hyperinsulinemia through Increased Insulin Secretion from Pancreatic Beta-Cells
9	Jack Prochnau	Medical Student	Metabolism	Investigating the Novel Role of DDR2 in Pancreatic Ductal Adenocarcinoma
10	Heyji Ro, BSA	Medical Student	Metabolism	Promoting Health Literacy: Assessing the Impact of Virtual Education on Diabetic Complications in Eagle Pass, Texas
11	Prerna Sathish, B.Tech	Graduate Student	Metabolism	Role of APPL2 in NASH-HCC Progression: Implication for Sexual Dimorphism in Liver Pathology
12	David Schmerber, BA	Faculty	Metabolism	Does Lactation Reduce the Risk of Maternal Cardiovascular Disease in the Presence of Pre-pregnancy Obesity – Investigations in Mouse Model
13	Manigandan Venkatesan	Postdoctoral Fellow	Metabolism	Limiting Mrs2-Dependent Mitochondrial Mg ²⁺ Uptake Induces Metabolic Programming in Prolonged Dietary Stress
14	Sahar Ali	Medical Student	Neuro	Retinal Expression Patterns of Voltage Gated Ion Channels
15	Sinchana Basoor, BS	Medical Student	Neuro	Phosphorylation of Kv7.2 Potassium Channel's Regulatory Domain Alters Binding Interactions with Calmodulin
16	Belinda Bernal, BSPH	Graduate Student	Neuro	Robust Assembly Respiratory Chain in the brain of Old Naked Mole Rat
17	Dene Betz	MD/PhD (Currently working on PhD)	Neuro	Transcriptional Analysis of Regions Undergoing Post-Stroke Plasticity After Photothrombotic Stroke in Mice
18	Sabrina Bitar, BS	Medical Student	Neuro	The Use of Microlearning Videos to Teach the Neurologic Examination of Patients with Altered Levels of Consciousness

19	Cerise Cisneros, BS	Staff	Neuro	Accessibility Matters: A Cross Platform Analysis of Readability in Patient Educational Materials on Stroke
20	Abigail Connor	Medical Student	Neuro	Exploring Brain Health with High School Students: A SIGN Event
21	Miguel de la Flor, PhD	Postdoctoral Fellow	Neuro	Targeted Deletion of Kynurenine 3-monooxygenase Preserves Non-Associative and Associative Learning & Memory in Aging
22	Shiva Kazempour Dehkordi, MS	Staff	Neuro	Digital Spatial Profiling Reveals Novel Markers for Senescent Neurons and Neurofibrillary Tangles and their Microenvironment in Alzheimer's Disease
23	Alison Luckey, PhD	Postdoctoral Fellow	Neuro	Genome-wide association study of visual memory and spatial organization in a community setting: The Cohorts for Heart and Aging Research in Genomic Epidemiology Consortium
24	Amna Naqvi, BS	Medical Student	Neuro	Real World Applications of Guideline Based Diagnostic and Treatment Patterns for DLBCL within the VHA
25	Rajeev Pathapati	Medical Student	Neuro	Cognitive Behavioral Therapy Alleviates Unhelpful Thinking in Individuals with Musculoskeletal Symptoms: a Meta-Analysis
26	Luis Serrano-Rubio	Staff	Neuro	Gait Speed and Cognition in the COMPADRE-CART Longitudinal Hispanic/Latinx Cohort
27	Nicholas Shaffer, MD	Medical Resident	Neuro	Awakening Insights: Increasing Sleep Medicine Education for Psychiatry Residents
28	Mohsen Sharifi Tabar, PhD	Staff	Neuro	ZiPo: A Deep Neural Network to De-noise Single-cell RNA Sequencing Data
29	Morgan Smith, MS	Staff	Neuro	Python-Based Machine Learning for Three-Dimensional Human Brain Model Segmentation and Analysis
30	Jonathan Towne, BA	MD/PhD (Currently working on PhD)	Neuro	Toward Meta-Connectomic Ergodicity in Neuroimaging: Graph Theory Modeling Evidence in Temporal Lobe Epilepsy
31	Zachary Uttke, BS	Medical Student	Neuro	Investigating novel mechanisms of retrotransposon activation in the aging Drosophila brain
32	Janette Vazquez, PhD	Postdoctoral Fellow	Neuro	Impact of Mid-life Cardiovascular Health on Cognitive Change in a Bi-ethnic Cohort
33	Aishwarya Vemula	Medical Student	Neuro	The Role of Nasal Lymphatic Impairment in Neurological Dysfunction: Insights from Nuclear Radiology
34	Abhinav Vetcha, BS	Medical Student	Neuro	Efficacy of Dapagliflozin in Ischemia-Reperfusion Injury Mouse Model
35	Neelanjan Vishnu, PhD	Postdoctoral Fellow	Neuro	ERMA (TMEM94) is an essential component of endoplasmic reticulum P-type Mg ²⁺ ATPase
36	Di Wang	Graduate Student	Neuro	Deep neural network heatmaps capture Alzheimer's disease patterns reported in a large meta-analysis of neuroimaging studies
37	Jeff Wang	MD/PhD (Currently working on PhD)	Neuro	Mechanistic Studies of the CST-Polymerase- α /Primase Complex in DNA Repair
38	Sarah Wedemeyer	MD/PhD (Currently working on PhD)	Neuro	A Dynamic Paracrine FGF21-mTOR Signaling Axis Regulates Thymus Function

39	Weston Wright, BA	Medical Student	Neuro	Assessing Knowledge of the Field of Neurology and Ophthalmology in High School Students After Brain Day Event
40	Sarah Chang, BS	Medical Student	Infection and Immunity	Autoimmune Hyperthyroidism Following RAIT for TMG in the Context of SARS-CoV-2
41	Rolando Garza	MD/PhD (Currently working on PhD)	Infection and Immunity	Analysis of Naturally Acquired Immune Responses Against Plasmodium Falciparum Malaria Vaccine Candidate PF3D7_1136200
42	Brent Janda, BS, MS	Medical Student	Infection and Immunity	Whole Blood Transfusions in COVID-19 Patients with Non-traumatic Hemorrhage
43	Milind Joshi	MD/PhD (Currently working on PhD)	Infection and Immunity	N/A
44	Shili Li, PhD	Graduate Student	Infection and Immunity	The Tet2 epigenetic modifier promotes maturation of the antibody response through active DNA demethylation and OGT-mediated histone O-GlcNAcylation of AICDA/Aicda and PRDM1/Prdm1 loci in human and mouse B cells
45	Aditi Mahesh	Medical Student	Infection and Immunity	Mast Cells, Chemical Intolerance, and the Rise of Autism and ADHD
46	Lauren Quesada, BS	Medical Student	Infection and Immunity	Novel 3-Pronged Approach to Polytrauma Complicated by Rare Fungal Infections
47	Meera Rath, PhD	Staff	Infection and Immunity	Maternal treatment with statins lowers pro-inflammatory response to lipopolysaccharide in the fetal intestine and lungs
48	Carlos Rivera, PhD	Postdoctoral Fellow	Infection and Immunity	A new and advanced humanized mouse model mounting mature class-switched, hypermutated and neutralizing antibody responses
49	Austin Todd	MD/PhD (Currently working on PhD)	Infection and Immunity	Dissecting organ-specific SARS-CoV-2 induced pathology with novel animal models
50	Zhimin Yang, MD	Visiting Student	Infection and Immunity	All-trans retinoic acid boosts IgA antibody responses by promoting expression of B cell Ia-Ca, Smad3, Runx2, Tgfb1 and Prdm1
51	Yulai Zhou	Visiting Student	Infection and Immunity	RORa Plays an Important Role in Generation and Maintenance of Memory B Cells
52	Aysel Al Issa, MD	Medical Resident	Cancer	An Unusual Case of Gastrointestinal Stromal Tumor Presenting as a Spontaneous Mesenteric Hematoma
53	Emily Aller	MD/PhD (Currently working on PhD)	Cancer	Exploring the Potential of EC359 in Inducing Ferroptosis for Targeting Type I and II Endometrial Cancers
54	Ashley Auerbach	Graduate Student	Cancer	Insights into the Molecular Mechanism of APOBEC3B Nuclear Import
55	Aymen Baig, MD	Medical Resident	Cancer	Small Bowel Perforation from a B Cell Lymphoma
56	Melis Bayrak, BA	Medical Student	Cancer	Defying the Odds: Case Report of a Long-Term Survivor of Poorly Differentiated Laryngeal Neuroendocrine Carcinoma
57	Ayon Bhattacharya, Ph.D trainee	Graduate Student	Cancer	ACOX-1 mediated metabolic adaptations of Glioblastoma in hypoxia
58	Nicholas Bray, MS	Medical Student	Cancer	A Bioinformatics Approach to Exploring the Impact of RAD51 Paralog Deficiencies on APOBEC-Induced Mutagenesis in Sequenced Tumors

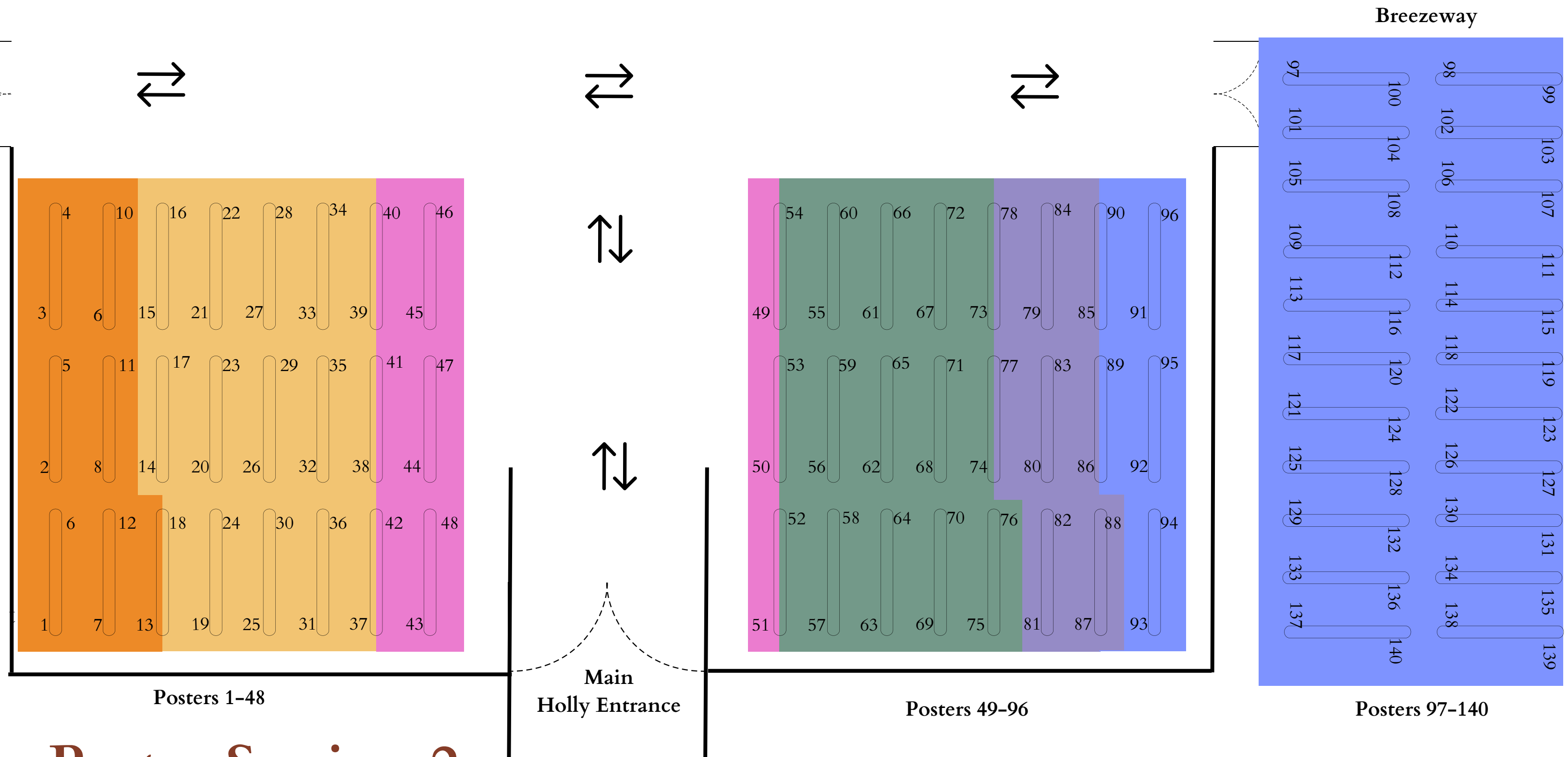
59	Amirparsa Charkhchi, BSc	Medical Student	Cancer	Re-evaluating Eligibility Criteria in Phase 1 Cancer Trials: Examining Survival Outcomes Beyond Lab-Based Requirements
60	Aaron Cheng, BA, BS	Medical Student	Cancer	APOBEC3 Expression In Head and Neck Cancer as a Novel Biomarker of Response to Definitive Chemoradiation: A Pilot Prospective Study
61	Jonathan Espinosa, BSA	Medical Student	Cancer	Concurrent Symptomatic Tuberculum Sellae Meningioma and Idiopathic Intracranial Hypertension: a Case Report
62	Elizabeth Gutierrez-Chakraborty, BS	Staff	Cancer	Discovering Novel Prognostic Biomarkers of Hepatocellular Carcinoma using eXplainable Artificial Intelligence
63	Payden Harrah	Medical Student	Cancer	Endometriosis in Patients Undergoing Plastic Surgical Procedures: A Case Report and Review of Literature
64	Angela Jasper	MD/PhD (Currently working on PhD)	Cancer	The Mechanistic Role of BRCA1 DNA and RAD51 Binding in DNA Double-Strand Break Repair
65	Nikita Jhangiani, BS, BA	Medical Student	Cancer	Targeting APOBEC3A For Degradation To Reduce Liver Tumorigenesis By Degron Strategy
66	Jessica Johnson	Graduate Student	Cancer	Targeting TNBC brain metastases using a brain-penetrable KDM1A inhibitor
67	Victor Mendiola, MD	Medical Resident	Cancer	Spontaneous Tumor Lysis Syndrome in an Untreated Breast Cancer Patient
68	Victor Mendiola, MD	Medical Resident	Cancer	Historical Review of the First Successful Treatment of Adult Myelogenous Leukemia
69	Ndanzia Mpunga, BA	Medical Student	Cancer	Rapid-Onset Merkel Cell Carcinoma in an Elderly Patient
70	Edgar Munoz, BS, MS, CBDS	Staff	Cancer	TexasCancerInsights: Integrating AI-Generated Narratives in Cancer Data Visualization for Public Health
71	Khaled Nassar, PhD	Graduate Student	Cancer	PELP1 inhibitor SMIP-34 increases therapeutic efficacy of topoisomerase inhibitors in treating TNBC
72	Alexander Pertsemlidis	Staff	Cancer	microRNAs as synergistic pharmacologic agents for the treatment of neuroblastoma
73	Natalie Rodriguez, MS	Visiting Student	Cancer	Design of a Holistic Approach to Optimize Outcomes for Latina Breast Cancer Survivors
74	Ashwin Varma	Medical Student	Cancer	Kappa Light Chain Amyloidosis-induced Renal Failure in a patient with Non-IgM Lymphoplasmacytic Lymphoma: A Case Report
75	Adam Vinall, MD	Medical Resident	Cancer	Gastric Linitis Plastica - An Unusual Presentation of Metastatic Breast Cancer
76	Yi Xu, PhD	Postdoctoral Fellow	Cancer	Reconstitution of Human PDAC Using Primary Cells Reveals Oncogenic Transcriptomic Features at Tumor Onset
77	Hira Asim, BA	Medical Student	Community Education	A Year in Review: Haven for Hope Dermatology Clinic Diagnoses Among the Uninsured and Individuals Experiencing Homelessness
78	Ryan Bailey, BSA	Medical Student	Community Education	Geolocalization By Hospitalist Team at an Academic Hospital
79	Stephanie Batch	Medical Student	Community Education	Comparing Political Contributions of Medical Specialties in the United States: A Preliminary Retrospective Analysis

80	Jeffery Bolte	Medical Student	Community Education	Nutrition Able: Promoting Nutritional Literacy About Protein Intake in Women
81	Kate Brickner, BS	Medical Student	Community Education	Pain Medication Utilization by Race and Ethnicity after Implementation of a Standardized Multimodal Pain Regimen Post-Cesarean Delivery
82	Selena Cholak, BS	Medical Student	Community Education	Measuring Social Determinants of Health at Urban Clinic
83	Garrett Gomez, BS	Medical Student	Community Education	Addressing Musculoskeletal Health Disparities: Insights from a Community Needs Assessment in San Antonio's 78203 Zip Code
84	Natalie Johnson, BS	Medical Student	Community Education	Historic and Regional Cost Trends in Multifocal Lenses for Glasses
85	Sophia Koo, BA	Medical Student	Community Education	Healthy Smiles and Clean Hands: An Interprofessional School District Collaborative for Refugee Children
86	Seoyon Lee, BS	Medical Student	Community Education	Relationship between Binge-eating Disorder Duration and Health of Postmenopausal Women
87	Mathivarshini Sivachidambaram	Medical Student	Community Education	A Qualitative Study of Adolescents in San Antonio with Major Depressive Disorder
88	Tommy Christian Torres	Medical Student	Community Education	Healthy Choices Team Year 5: Promoting Healthy Habits through Community Engagement (ComEn)
89	Benjamin Akande, BS	Medical Student	Clinical Education	Effects of Postoperative Intravenous Acetaminophen in Geriatric Hip Fracture Patients
90	Sadhana Anantha, MD	Medical Resident	Clinical Education	Case Series: A Novel Approach to the Treatment of Endoleaks Utilizing IMPEDE Embolization Plugs
91	Paul Appleton	Medical Student	Clinical Education	Tension Band Wiring as a Viable Option for Failed Plate Fixation of the Olecranon
92	Angela Atkinson, MD	Medical Resident	Clinical Education	Autonomy-Supportive and Controlling Coaching Behaviors in the Operating Room
93	John Michael Austin	Medical Student	Clinical Education	Clinical Effectiveness of Medical Marijuana in Patients with Amyotrophic Lateral Sclerosis
94	John Michael Austin, MD	Staff	Clinical Education	Review of Unilateral Coronal Craniosynostosis Surgical Techniques and Description of Novel Bone Strut
95	Kyle Bandy, MD, FAEMS	Faculty	Clinical Education	Prehospital Administration of Low-Titer O-Positive Whole Blood to a 4-Year-Old Female with an Abdominal Gunshot Wound
96	Jose Benitez, MD	Medical Resident	Clinical Education	What about the 4%? A Discussion of the Negative Predictive Value of Methicillin Resistant Staph. Aureus Nasal Swab Screening
97	Shriya Das, BS	Medical Student	Clinical Education	Accuracy of Ultrasound Versus Magnetic Resonance Imaging in Prenatal Placenta Accreta Spectrum Disorder Diagnosis
98	Alex Deleon	Medical Student	Clinical Education	Machine Learning-Based Prediction of Mortality in Pediatric Trauma Patients
99	Natalia Flores, BS	Graduate Student	Clinical Education	A Cadaveric Study Investigating the Arterial Supply of the Pubic Symphysis
100	Jose Gaspar de Alba, BA	Medical Student	Clinical Education	Assessing Student Interest in Spanish Language Education at the Long School of Medicine; a Quantitative and Qualitative Analysis

101	Christian Gerhardus, BS	Staff	Clinical Education	Evaluation of a Novel Needle Decompression Device
102	Bryce Hackett	Medical Student	Clinical Education	Successful Open Repair of a Giant Thoracic Aortic Aneurysm
103	Svaksha Iyengar, BS	Medical Student	Clinical Education	A Comprehensive Review and Analysis of YouTube Media Related to Total Knee Replacement
104	Sohan Kumar Jakkaraju, BSA	Medical Student	Clinical Education	RTSA after Septic Arthritis: A case series
105	Kelly Harrell, MD	Resident	Clinical Education	Prehospital Resuscitation in Pediatric Trauma: Outcomes with Whole Blood versus Component Therapy
106	Abigail Johnson	Medical Student	Clinical Education	Vocal Fold Myxoma – An Unusual Finding
106	Travis Kotzur	Medical Student	Clinical Education	A Comparison of Charlson Comorbidity, Elixhauser Comorbidity, Frailty Indices to Predict Outcomes following Total Knee Arthroplasty
107	Maaz Ahmed	Medical Student	Clinical Education	Quantitative Assessment of the troCarWash System for Automated Laproscopic Camera Cleaning
108	Adrianna Lam, BSA	Medical Student	Clinical Education	Evaluating the Impact of Psychotropic Education on Medical Student Volunteers at a Women's Residential Rehabilitation Facility
109	Jared Laney, MD	Medical Resident	Clinical Education	Critical Airway Closing Pressures in the Sniffing versus the Neutral Head Position in a Novel, Human Cadaveric Airway Model
110	Anne Li, BS	Medical Student	Clinical Education	Anesthetic Considerations in Noonan Syndrome
111	Taylor Lind, MD	Medical Resident	Clinical Education	Orbital Fracture Consultation Ophthalmic Findings: A Retrospective Study
112	Tejas Medapalli, BS	Medical Student	Clinical Education	Exploring the Role of ChatGPT in Cardiology: A Review of the Current Literature
113	Gabriel Moncrief	Medical Student	Clinical Education	Psychosocial Impact of Scoliosis Severity in Adolescent Patient Outcomes: An Ongoing Study
114	Yusuf Mufti	Medical Student	Clinical Education	Outcomes in Dorsal Spanning Plates for the Management of Distal Radius Fractures
115	Daniel Nyancho	Medical Student	Clinical Education	Management of Transcatheter Aortic Valve Embolization with Zone 0 Thoracic Bare Metal Dissection Stent Placement
116	Katerina Papanikolaou	Medical Student	Clinical Education	Away Rotation Guide
117	Christian Pena, MD	Medical Resident	Clinical Education	Atrial Flutter Masquerading as an Inferior Myocardial Infarction
118	Lindsey Peng, BS	Medical Student	Clinical Education	The Impact of Depression on Total Knee Arthroplasty
119	Blaire Peterson, BS	Medical Student	Clinical Education	Cemented Versus Uncemented Total Knee Arthroplasty: An Analysis of 1,892,232 Patients from a Large National Database
120	Shreya Prasanna, MSc	Staff	Clinical Education	Factors Impacting Readiness for Implementation of an Electronic Shared Decision-Making Tool for Knee Osteoarthritis: A Tale of Two Orthopedic Surgery Clinics
121	Rithika Proddutoor, BS	Medical Student	Clinical Education	Firearm Injury Prevention Education in Surgical Trainees
122	Abram Qiu, BS	Medical Student	Clinical Education	Patient Demand for Orthopedics Care Through Google Trends Analysis
123	Anaya Shah	Medical Student	Clinical Education	Forum Theatre Intervention for Peer-to-Peer Mistreatment in Internal Medicine Residency

124	Abdulaziz Shammaa	Medical Student	Clinical Education	Endophlebectomy with Venous Stenting: An Underutilized Hybrid Option for Occlusive Chronic Femoral Venous Thrombosis
125	Kajal Singhal, BSA	Medical Student	Clinical Education	Ocular Surface Disease Complications of Cosmetic Blepharopigmentation: No Adverse Effects
126	Cadfael Soulard, BA	Medical Student	Clinical Education	Reducing Unnecessary Laboratory Testing Through Education
127	Sana Suhail, BS	Medical Student	Clinical Education	Systematic Review of Skin Injury in Neonates from Pre-procedural Topical Antiseptics
128	Claire Sundjaja	Medical Student	Clinical Education	Rates of Non-Pharmacologic Intervention for Postpartum Hemorrhage by Body Mass Index
129	Abigail Tucker	Medical Student	Clinical Education	Adversity Narratives in General Surgery Residency Applicants' Personal Statements
130	Vivek Vasandani, BBmE	Medical Student	Clinical Education	In-Silico Computation of Right Ventricle Motion Dynamics to Guide Development of an Energy-Harvesting Leadless Pacemaker
131	Shriya Veluri, BS	Medical Student	Clinical Education	Review of Mechanical Thrombectomy Devices for Interventional Management of Venous Thromboembolism
132	Nish Vora, BS	Medical Student	Clinical Education	Assessment of Suture Clinic as a Teaching Tool for Pre-Clinical Medical Students
133	Nastassia Yammine, BSA	Medical Student	Clinical Education	Differences in Types of Delivery Complications Leading to Postpartum Hemorrhage by Body Mass Index
134	Manar Zoghdan, MS	Medical Student	Clinical Education	Establishing a Lung Transplant Databank and Biorepository
135	Jonathan Bethiel	Medical Student	Clinical Education	Campus Study Areas: Medical Student Awareness
136	Benjamin Johnson	Medical Student	Clinical Education	Anti-fragility Effect on Bone in Casp2 Overexpressing Mice
137	Kyra Rozanitis	Medical Student	Clinical Education	Insights from CMS Data: Examining Number of Stages per Mohs Procedure
138	Neil R. Sood	Medical Resident	Clinical Education	Curveballs in Circulation Case Report: Venous Thoracic Outlet Syndrome in the Overhead Athlete

2024 LSOM Research Symposium Poster Layout



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- Neuro
- Infection and Immunity
- Cancer
- Community Education
- Clinical Education