



Poster Session A

8:45a – 10:15a

Tuesday, April 28

Posters will be ordered in 3 rows by category in the following order from right to left.
Bench, Translational, Clinical, Epidemiology, Health Services, QI, Medical Education

Poster Number	Category	Division	Last Name	First Name	Poster Submission Title
1	Bench or Basic Science	Malignant Hematology and Medical Oncology	Al-Saad	Sarah	The role of loss of cytochrome b5-reductase 3 in HGSOC
2	Bench or Basic Science	Classical Hematology	Annarapu	Gowtham	The heme-induced platelet secretome promotes endothelial dysfunction
3	Bench or Basic Science	Pulmonary, Allergy, Critical Care, and Sleep Medicine	Bagale, PhD	Kamal	The impact of dysfunctional ACE2 and treatment for post-acute sequelae of COVID-19 with exercise intolerance
4	Bench or Basic Science	Cardiology	Behzadi	Parya	Targeting Group I PRMTs Prevents Vascular Calcification in Human Coronary SMCs
5	Bench or Basic Science	Malignant Hematology and Medical Oncology	Bom	Sadhana	Sweet boost: sucralose enhances regulatory T cell (Treg) functions in vitro
6	Bench or Basic Science	Renal-Electrolyte	Bondi, PhD, MS	Corry	Deciphering the molecular pathways involved in anabolic-androgenic steroid-induced podocyte toxicity.

7	Bench or Basic Science	Cardiology	Bugga	Paramesha	ANGPTL3 Inhibition by Evinacumab Improves Insulin Resistance and Cardiac Lipid Metabolism to Prevent HFpEF in GCN5L1 KO Mice
8	Bench or Basic Science	Renal-Electrolyte	Cagathi	Dhriti	The Effect of Dietary Potassium on WNK Body Formation and Dissolution
9	Bench or Basic Science	Malignant Hematology and Medical Oncology	Cheng, PhD	Ya-Yun	Loss of Predicted Cell Adhesion Molecule MPZL3 Promotes EMT in Ovarian Cancer
10	Bench or Basic Science	Rheumatology and Clinical Immunology	Cook, PhD	Melissa	Collective Loss of Type 17 Cytokines Leads to Estrogen-Independent Susceptibility to Vulvovaginal Candidiasis
11	Bench or Basic Science	Cardiology	Cormack, PhD	John	Ex vivo elucidation of right ventricular remodeling in the pressure-overloaded human heart using multiphysics ultrasound-based methods
12	Bench or Basic Science	Cardiology	Cosme Jr	Carlos	Stimulation of lysosomal calcium release induces autophagy-lysosome biogenesis and reverses functional consequences of atherogenic lipid accumulation in macrophages
13	Bench or Basic Science	Vascular Medicine Institute	Cuevas, PhD	Rolando	Switching Telomerase Function: Dissociation from RNA TERC Enables Non-Canonical Telomerase Functions in Osteogenic Reprogramming in Calcific Aortic Valve Disease
14	Bench or Basic Science	Pulmonary, Allergy, Critical Care, and Sleep Medicine	Francisco	John	The Role of Neutrophil Elastase in Influenza Pathogenesis
15	Bench or Basic Science	Pulmonary, Allergy, Critical Care, and Sleep Medicine	George	Charlize	The liver-x-receptor pathway regulates itaconate-dependent lipid metabolism in activated macrophages
16	Bench or Basic Science	Renal-Electrolyte	Gilbert, BS	Josie	Tubular-specific NRF2 Activity Protects Against Aristolochic Acid Nephropathy
17	Bench or Basic Science	Vascular Medicine Institute	Haque, PhD	Shagufta	Sensory neuronal activation after myocardial infarction leads to cardiac inflammation and remodeling
18	Bench or Basic Science	Vascular Medicine Institute	Hiwase BPhil, BA	Harsh	Post-GWAS Functional Genomics Analysis of HNF1A Locus to Define Novel Pathogenic Mechanism for Ischemic Stroke.

19	Bench or Basic Science	Pulmonary, Allergy, Critical Care, and Sleep Medicine	Huang	Eileen	Secreted Factor S100A9 Contributes to Differential ECM Expression in Healthy Lung Aging
20	Bench or Basic Science	Renal-Electrolyte	Ikeda	Youko	Dysregulation of soluble guanylate cyclase in the aging mouse prostate - therapeutic target for benign prostatic hyperplasia
21	Bench or Basic Science	Malignant Hematology and Medical Oncology	Kamlapurkar, MS	Shriya	SOX2-LGR5 signaling mediates ovarian cancer cell survival in response to loss of anchorage.
22	Bench or Basic Science	Pulmonary, Allergy, Critical Care, and Sleep Medicine	Kim Ph.D.	Jooyoung	Aging and Sex Differentially Shape Myeloid Responses and Viral Clearance During Influenza Infection
23	Bench or Basic Science	Infectious Diseases	Kinney, BS	Emily	A novel gene in classical Klebsiella pneumoniae causes mucoidy
24	Bench or Basic Science	Pulmonary, Allergy, Critical Care, and Sleep Medicine	Kuang, BS	Minjie	Real-Time Longitudinal Visualization of AT2 Cell Fate Transitions
25	Bench or Basic Science	Rheumatology and Clinical Immunology	Li	Decheng	Investigation of Cytokine Signaling Pathways in a Model of Histidyl-tRNA Synthetase-induced Myositis
26	Bench or Basic Science	Gastroenterology, Hepatology and Nutrition	Li	Jiang	MZB1 Orchestrates Hepatic Regeneration: Essential Role in Cell Cycle Progression Following Liver Injury
27	Bench or Basic Science	Endocrinology and Metabolism	Luellen	Martha	Comprehensive metabolic phenotyping evaluates age-dependent insulin resistance in the G542X and DF508 cystic fibrosis-related diabetes mouse models
28	Bench or Basic Science	Renal-Electrolyte	Manrique Maldonado, PhD	Guadalupe	Classification of mechanosensitive bladder-innervating afferents
29	Bench or Basic Science	Rheumatology and Clinical Immunology	Matunis, MS	Aidan	Dichotomous roles of IFN γ signaling within the kidney parenchyma of lupus nephritis
30	Bench or Basic Science	Pulmonary, Allergy, Critical Care, and Sleep Medicine	Mbaekwe	Ugonna	Mitochondrial Adenine Nucleotide Translocase 2 (ANT2) Enhances Ferroptosis and Disrupts Alveolar Stem Cell Regeneration
31	Bench or Basic Science	Renal-Electrolyte	McConnell	Ryan	Regulation of the phosphoproteome by KS-WNK1 and WNK Body condensates

32	Bench or Basic Science	Vascular Medicine Institute	Mondal MSc	Awishi	Understanding the Significance of the Brain-Heart Axis in Cardiac Fibrosis After Myocardial Infarction
33	Bench or Basic Science	Renal-Electrolyte	Nickerson, PhD	Andrew	Mice lacking furin consensus sites in ENaC alpha and gamma subunits require aldosterone-dependent compensation to maintain balance during Na+ restriction.
34	Bench or Basic Science	Vascular Medicine Institute	Ohayon Steckel	Lee	The Impact of Fxyd6 on Cardiac Remodeling After Myocardial Infarction
35	Bench or Basic Science	Pulmonary, Allergy, Critical Care, and Sleep Medicine	Packwood, BS	Madeline	A comparison of a novel approach to murine single lung function with standard double lung function
36	Bench or Basic Science	Pulmonary, Allergy, Critical Care, and Sleep Medicine	Papillo	Gabriella	Tfam regulates nuclear-mitochondrial complex dissociation and integrated stress response signaling in chronic obstructive pulmonary disease
37	Bench or Basic Science	Cardiology	Paranjape	Anurag	Microbubble cavitation induces Ca ²⁺ influx via mechano-sensitive channels leading to activation of eNOS signaling and transient gene expression changes
38	Bench or Basic Science	Vascular Medicine Institute	PereiraTavares	Antonio	3D Bioprinted Microporous Collagen Platforms for In Vitro Modeling of Human Coagulation
39	Bench or Basic Science	Endocrinology and Metabolism	Rossillo, MD, PhD	Mary	Global loss of Crebrf in mice results in hyperglycemia despite resistance to diet-induced obesity in part due to reduced functional beta cell mass
40	Bench or Basic Science	Pulmonary, Allergy, Critical Care, and Sleep Medicine	Salvadore	Kienan	The Protective Role of Pulmonary Microvascular Endothelial Cell Antigen Presentation in Sequential Influenza Infection
41	Bench or Basic Science	Renal-Electrolyte	Shipman	Katherine	Sex differences in proximal tubule protein handling and adaptive responses after partial ischemia reperfusion injury in mice
42	Bench or Basic Science	Infectious Diseases	Shoucair, BS	Peter	Single-cell multiomics identifies functionally distinct subpopulations in monocyte-derived type-1 polarized dendritic cell vaccine platform
43	Bench or Basic Science	Malignant Hematology and Medical Oncology	Sund, BS	Logan	AlphaFold3-based identification of protein-protein interactions in the hematopoietic system

44	Bench or Basic Science	Infectious Diseases	Supandy, PhD	Adeline	Distinct Receptors Shape Phage Activity and Antimicrobial Resistance in Klebsiella spp.
45	Bench or Basic Science	Pulmonary, Allergy, Critical Care, and Sleep Medicine	Ting PhD.	Grace	Loss of ANT2 promotes oxidative stress and alters mitophagy in pulmonary fibrosis
46	Bench or Basic Science	Endocrinology and Metabolism	Vandevender	Amber	Telomere-Driven Senescence Triggers Adaptive Metabolic Remodeling and Protects Against Steatotic Liver Disease
47	Bench or Basic Science	Rheumatology and Clinical Immunology	Vyas, PhD	Shachi	Translational control of T cell expansion and autoimmune responses by an RNA binding protein- Arid5a
48	Bench or Basic Science	Gastroenterology, Hepatology and Nutrition	Walker	Lorien	Silencing Hepatic CAPN4 Protects Against Diet-Induced Mash In Mice
49	Bench or Basic Science	Pulmonary, Allergy, Critical Care, and Sleep Medicine	Wannemo	Kristin	Hippo signaling via AMOTL2 impacts lung epithelial reprogramming in pulmonary fibrosis
50	Bench or Basic Science	Renal-Electrolyte	Whelan	Sarah	Influence of murine background strain on renal water balance and urine production
51	Bench or Basic Science	Renal-Electrolyte	Wolf-Johnston	Amanda	Purine nucleoside phosphorylase inhibition is an effective approach for the treatment of chemical hemorrhagic cystitis
52	Bench or Basic Science	Malignant Hematology and Medical Oncology	Xu, PhD	Jian	M2 Macrophage-derived Eotaxin-2 regulates hematopoiesis through modulating HSC-endothelial niche interaction
53	Bench or Basic Science	Rheumatology and Clinical Immunology	Yamamoto, BS	Kenta	The RNA-binding protein Arid5a is a novel T cell-intrinsic driver of Graft-versus-Host Disease (GvHD)
54	Bench or Basic Science	Renal-Electrolyte	Yan, MA, Student	Xiangyu	The sGC activator, cinaciguat, alleviate chemical cystitis-induced pelvic pain in mice
55	Bench or Basic Science	Vascular Medicine Institute	Yeh, PhD, RD	Yu-Sheng	Autophagy is a Critical Mediator of Lipid Metabolism in Adipocytes
56	Bench or Basic Science	Renal-Electrolyte	Zabbarova, PhD	Irina	Neuropathic bladder overactivity and pain associated with lumbar disk herniation in mice alleviated using sGC activator, cinaciguat.

57	Translational	Cardiology	Ajam	Ali	From Cholesterol Load to Cholesterol Signal: LYCHOS-Dependent mTORC1 Activation Drives Residual Cardiovascular Risk
58	Translational	Malignant Hematology and Medical Oncology	Bruno	Sabrina	Association between T-cell LAG-3 expression and clinical benefit in patients with type 2 diabetes and metastatic melanoma treated with immune checkpoint inhibitors
59	Translational	Pulmonary, Allergy, Critical Care, and Sleep Medicine	Devonshire, BS	Kaitlyn	Influenza Infection Accelerates Chronic Lung Allograft Dysfunction in a Murine Lung Transplant Model
60	Translational	Malignant Hematology and Medical Oncology	Guo	Yibing	Large language model-derived re-contextualization reveals functional landscapes across cancers
61	Translational	General Internal Medicine	Huberman-Shlaes	Judah	Effective Intra-Thalamic Connectivity Reveals Mechanistic Roles of the Thalamus in Seizure Propagation
62	Translational	Pulmonary, Allergy and Critical Care Medicine	Lieber, BS	Sophia	Cytotoxic T-cells Persist Despite Immunosuppression and May Contribute to Chronic Lung Allograft Rejection
63	Translational	Pulmonary, Allergy, Critical Care, and Sleep Medicine	Miyamoto	Atsushi	AT2 Cell-Specific QKI Loss Exacerbates Influenza Virus-Induced Lung Injury via an Incomplete Integrated Stress Response
64	Translational	Aging Institute	Murai, PhD	Takeshi	A novel task to evaluate episodic-like memory changes with aging across the lifespan in marmosets
65	Translational	Gastroenterology, Hepatology and Nutrition	Okonkwo, MD	Olisa	Real-Time Hepatic Surveillance in Residents Following the East Palestine, OH Chemical Disaster.
66	Translational	Pulmonary, Allergy, Critical Care, and Sleep Medicine	Peddibhotla	Vaish	Alveolar epithelial cell senescence promotes fibrosis by limiting repair after injury
67	Translational	Infectious Diseases	Shin. PhD	Seungmin	Discovery and pre-clinical evaluation of monoclonal antibodies and bispecific engagers targeting the NKG2A inhibitory receptor
68	Translational	Malignant Hematology and Medical Oncology	Yasaka, BS	Tyler	Spatially Informed Histomolecular Subtyping of Hepatocellular Carcinoma: Clinical, Molecular, and Therapeutic Implications

69	Clinical	Pulmonary, Allergy, Critical Care, and Sleep Medicine	Cheng, MS, PhD	An-Chi	Microbiome Composition and Dynamics in Tracheal Aspirates during Chronic Critical Illness
70	Clinical	Pulmonary, Allergy, Critical Care, and Sleep Medicine	Gomez-Saumell, BS	Daniel	Kidney Transplant Improves Survival in Lung Transplant Recipients with Subsequent Chronic Kidney Disease: A Single Center Study
71	Clinical	Gastroenterology, Hepatology and Nutrition	Mauro, BS	Anthony	A Cohort Study of the Relationship Between Colorectal Cancer (CRC) Screening and Older-Onset CRC
72	Clinical	Cardiology	McCabe, B.S.	Melina	Implementation of a Postpartum Wellness Scale Among Patients with Hypertensive Disorders of Pregnancy
73	Clinical	Pulmonary, Allergy, Critical Care, and Sleep Medicine	Nee, MS	Taylor	E-cigarette Users with Prior Combustible Cigarette Exposure Had Increased Small Airway Resistance, Unlike Exclusive E-cigarette Users: A Pilot Study in the BreathePA Cohort
74	Clinical	Gastroenterology, Hepatology and Nutrition	Samaha, MD	Carl	Defining the Symptom-Endoscopy Spectrum in Crohn's Disease: A Multicenter Repeated-Measures Analysis
75	Clinical	General Internal Medicine	Studnicki	Olivia	Drivers and Deterrents of Accessing Care for Patients with Xylazine-Associated Wounds
76	Epidemiology	General Internal Medicine	Bessette	Lily	Adherence and persistence to SGLT2 inhibitors following hospitalizations for heart failure among U.S. Veterans
77	Epidemiology	Pulmonary, Allergy, Critical Care, and Sleep Medicine	Koller, MS	Allison	The Pittsburgh Vaping Questionnaire: A Novel Instrument to Assess E-cigarette Use in Adults
78	Epidemiology	General Internal Medicine	Liu	Yilei	Impact of the FDA drug safety communication on codeine and tramadol prescribing in pediatric dental care: Evidence from nationally sourced claims data
79	Health Services	General Internal Medicine	Mitchell, MPH, LSW	Shannon	Trauma-Informed Service Coordination: A Qualitative Study of Medical-Legal Collaborations in the Veterans Health Administration
80	Health Services	Gastroenterology, Hepatology and Nutrition	Piscitello MD MS	Gina	Phrases Associated with Negatively and Positively Perceived Documented Goals of Care Conversation Notes

81	Health Services	General Internal Medicine	Rupcic, PhD, MPH, MIA	Sonia	Patient Perspectives on Medical-Legal Services Offered to Survivors of Intimate Partner Violence through the Veterans Health Administration
82	Health Services	General Internal Medicine	Sabol, PharmD	Roisin	Reasons Patients Deprescribe Benzodiazepines in the Veteran Affairs Health System
83	Health Services	Renal-Electrolyte	Weltman, PharmD	Melanie	Barriers to use of cardio-kidney protective medications in chronic kidney disease: Results of a nephrology provider survey
84	Quality Improvement	Malignant Hematology and Medical Oncology	Rieger, MMT, MT-BC	Rhiannon Rieger	Music Therapy for Gynecological Cancer Survivors: A Collaborative Thematic Analysis
85	Quality Improvement	Cardiology	Sridhar, MPH, BS	Shreya	Mavacamten Drug-Drug Interactions: Prevalence, Mechanism, and Actionability
86	Medical Education	General Internal Medicine	Downer, MD	Kendall	From Checklists to Connection - Moving Residents from Scripted Responses to Accurate Empathy in Goals of Care Conversations
87	Medical Education	General Internal Medicine	Klein, MD MS	Andrew	Leveraging Standardized Patients as Co-Teachers in the POCUS Exam: A Brief Training in Specific Point-of-Care Ultrasound Views for Longitudinal Clinical Skills Educators with and without SP Co-Teaching
88	Medical Education	General Internal Medicine	Ramsey, DO, MS	Sinthana	From Pathophys to Prognosis: Teaching Oncology Concepts to Elevate Interdisciplinary Palliative Care
89	Medical Education	General Internal Medicine	Sprague, MD, MS	Benjamin	From 'Report and Forget' to 'Report and Reset': Safety Event Debrief Faculty Development Elevates Residency Safety Culture