



Poster Session B

1:15p – 2:45p

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	Vascular Medicine Institute	Abbasi	Naghmeh	3D-Printed Vascular Models Recapitulate Mechanical Heterogeneity and Guide VSMC Mechanosensitive Signaling in PAH
2	Bench or Basic Science	Vascular Medicine Institute	Bajpai, BS	Aarushi	Decoupling the Platelet from the Plasma: Traumatic Milieu Drives Paradoxical Divergence in Healthy Platelet Immunothrombotic and Shear-Mediated Phenotypes
3	Bench or Basic Science	Endocrinology and Metabolism	Cakir	Isin	Muscle HDAC6 action integrates exercise capacity with circadian rhythm and nutrient utilization
4	Bench or Basic Science	Rheumatology and Clinical Immunology	Cosgrove, PhD	Haylee	Loss of type II IFN signaling protects against severe disease but promotes renal fibrosis in a murine model of lupus
5	Bench or Basic Science	Pulmonary, Allergy, Critical Care, and Sleep Medicine	Coulter, BS	Riley	Candida albicans Mediated Cell Death is Limited by EphA2 Receptor Inhibition in Murine Lung Epithelial Cells
6	Bench or Basic Science	Pulmonary, Allergy, Critical	Covitz	Rachel	Therapeutic Targeting of Pulmonary Endothelial Cells in Influenza Viral Infection

		Care, and Sleep Medicine			
7	Bench or Basic Science	Vascular Medicine Institute	de la Fuente Herrerueta PhD	Diego	Crosstalk between CLPX and Terminal Heme Biosynthesis Pathway Enzymes
8	Bench or Basic Science	Cardiology	Dieckhaus	Laurel	Voxel-wise Prediction of Chronological Age from MRI-Derived Brain Morphology in the Common Marmoset
9	Bench or Basic Science	Endocrinology and Metabolism	Galgano, PhD	Luca	Hypothalamic H3K9 methylation regulates central energy metabolism
10	Bench or Basic Science	Infectious Diseases	Gerberick, PhD	Abigail	CD40L/IL-4 Stimulated B Cells are Efficient Mediators of HIV-1 Binding and Trans Infection
11	Bench or Basic Science	Rheumatology and Clinical Immunology	Hara, BS	Mika	Evaluation of MaFIA as a model for macrophage depletion
12	Bench or Basic Science	Renal-Electrolyte	Holloway, MS, MA	Joshua	Canagliflozin selectively inhibits SGK1 expression and NHE activity in kidney and heart cells
13	Bench or Basic Science	Vascular Medicine Institute	Huang, PhD	Jun	Coupling lysosomal and mitochondrial lipid metabolism in adipose tissue macrophages as a therapeutic strategy in obesity
14	Bench or Basic Science	Vascular Medicine Institute	Ishfaq, PhD	Muhammad	CLPX Dysfunction Disrupts Iron-Dependent Heme Synthesis in Erythropoietic Protoporphyrin
15	Bench or Basic Science	Cardiology	Jang	Sae	Evaluating Capillary Stiffness in vivo using Microbubbles under Ultrasound Excitation as Mechanical Probes
16	Bench or Basic Science	Vascular Medicine Institute	Joyce	Isabel	Investigation of Fontan-associated Fibrotic Remodeling in a Bioengineered Model of a Liver Sinusoid
17	Bench or Basic Science	Rheumatology and Clinical Immunology	Kallakuri, BS	Sridula	Dysregulated Treg repair responses in chronic rejection after heart transplantation
18	Bench or Basic Science	Aging Institute	Kalmykov	Anna	Combining orthogonal approaches to target RB1-deficient cells
19	Bench or Basic Science	Aging Institute	Kamireddy	Sanskriti	Identification of novel methionine restriction mimetics using an in vivo methionine sensitive luciferase-based reporter
20	Bench or Basic Science	Vascular Medicine Institute	Kubra (PhD)	Khadeja Tul	Acyl deficiency suppresses type I interferon response by upregulating KDM6a in macrophages.

21	Bench or Basic Science	Endocrinology and Metabolism	Kumar, PhD	Amit	The STING of a Broken Clock - How circadian disruption drives innate immune activation and fibrogenic remodeling in MASH
22	Bench or Basic Science	Endocrinology and Metabolism	Madigan	Emily	Hepatocyte-specific USP30 Deletion Confers Protection Against Dietary Stress Through Mitochondrial and Metabolic Remodeling
23	Bench or Basic Science	Cardiology	Melcher	Amber	PPAR α Modulation by Doxorubicin Underlies Sex Specific Cardiotoxicity
24	Bench or Basic Science	Classical Hematology	Mondal	Paritosh	Heme destabilizes HNF4 α to suppress hemopexin in sickle cell disease
25	Bench or Basic Science	Classical Hematology	Pant	Rajat	Mechanistic Links Between Heme Toxicity and Renal Medullary Carcinogenesis in Sickle Cell Trait Mice
26	Bench or Basic Science	Aging Institute	Pathak, MRes	Sudipta	A methionine-sensitive reporter reveals organelle-dependent regulation of methionine metabolism
27	Bench or Basic Science	Vascular Medicine Institute	Pena, MPH	Andressa	Increased Proliferation of Pulmonary Arterial Smooth Muscle Cells in Pulmonary Arterial Hypertension is Mediated by AKT/YAP1 -independent E2F2 Upregulation
28	Bench or Basic Science	Malignant Hematology and Medical Oncology	Quann, MD/PhD	Kevin	Detection of novel T-cell receptor: minor histocompatibility antigen interactions in mouse models of graft-vs-host disease
29	Bench or Basic Science	Vascular Medicine Institute	Rao, PhD	Krithika	Nitrite Inhibits Smooth Muscle Cell Proliferation VIA Upregulation of MFN1 Levels
30	Bench or Basic Science	Vascular Medicine Institute	Rhoads, MS	Keera	FRESH 3D Bioprinting Bioactive ECM-based Scaffolds for Regenerative ATAA Repair
31	Bench or Basic Science	Vascular Medicine Institute	Sadaf	Samreen	Cardiac Macrophage Senescence Drives Post-Infarction Cardiac Remodeling
32	Bench or Basic Science	Rheumatology and Clinical Immunology	Sriram	Varsha	Lysosomal GPR155 regulates reverse cholesterol transport and autophagy in macrophages
33	Bench or Basic Science	Infectious Diseases	Stark, BS	Drew	High-content imaging analysis of Klebsiella pneumoniae pathways controlling biofilm morphogenesis
34	Bench or Basic Science	Vascular Medicine Institute	Uddin	Mohammad Afaz	Myocardial infarction decreases microglial ability to remove amyloid burden in mouse hippocampus, leading to cognitive impairment.

35	Bench or Basic Science	Pulmonary, Allergy, Critical Care, and Sleep Medicine	Villandre	John	USP53 Regulates Alveolar Epithelial Innate Immunity During Influenza A Virus Infection
36	Bench or Basic Science	Cardiology	Wadhwa	Geetika	Ultrasound-guided microbubble cavitation for targeted miRNA-27a* delivery for head and neck squamous cell carcinoma
37	Bench or Basic Science	Gastroenterology, Hepatology and Nutrition	Watson	Caleb	Single-cell spatial molecular imaging implicates infiltrating macrophages in hepatic fibrogenesis in Fontan-associated liver disease
38	Bench or Basic Science	Malignant Hematology and Medical Oncology	White	Sierra	Alternative splicing of the B-insert of the mitochondrial fission driver DRP1 is indispensable to mammalian cell health and mouse development
39	Bench or Basic Science	Endocrinology and Metabolism	Yaman Hizdri, MS	Oyku	Metabolic Signatures of Weight Loss and Regain Following Semaglutide Treatment or Calorie Restriction
40	Bench or Basic Science	Renal-Electrolyte	Ye, BS	Lorena	Evidence for a Downstream Shift in Renal Tubular Reabsorption during Lactation in Mice
41	Bench or Basic Science	Renal-Electrolyte	Youm, BA	Elynn	Megalyn defends aged mice against Western diet-induced kidney injury
42	Bench or Basic Science	Malignant Hematology and Medical Oncology	Zhang, ScM	Jiaqi	Developing sublethal incomplete mitochondrial outer membrane permeabilization as a biomarker for ferroptosis sensitivity in apoptosis-resistant acute myeloid leukemia
43	Bench or Basic Science	Pulmonary, Allergy, Critical Care, and Sleep Medicine	Zhou	Zihe	A Novel Method to Unmask the True Functional Impairment of rejected Lung Allografts by Bypassing Contralateral Compensation
44	Bench or Basic Science	Cardiology	Zimmermann	Lytic	Harnessing 8-oxoguanine DNA Glycosylase Activity for Mitochondrial Protection
45	Translational	Pulmonary, Allergy, Critical Care, and Sleep Medicine	Beru	Neeharika	Epidermal Growth Factor Associates with Platelet Counts and Clinical Outcomes During Lung Injury

46	Translational	Renal-Electrolyte	Boufford, MPH	Camille	Genome-wide PheWAS identifies novel candidate regulators of potassium homeostasis
47	Translational	Rheumatology and Clinical Immunology	Cundiff, Ph.D.	Mary	Interpretable LLMs for finding common signatures of fibrosis across tissues
48	Translational	Aging Institute	Ghosh, B.Tech	Souvik	Combining Dietary Methionine Restriction with other Prolongevity Interventions to Improve Healthspan
49	Translational	Vascular Medicine Institute	Jamus, PhD	Andzoa	NOX2 inhibition as therapy to target microgliosis and cerebrovascular dysfunction in Alzheimer's disease
50	Translational	Vascular Medicine Institute	JOHNY	EBIN	Myeloid STING suppresses amyloid precursor protein to restrict adverse cardiac remodeling after myocardial injury
51	Translational	General Internal Medicine	Markus	Austen	Assessing Staff Perceptions of Implementation Conditions for an HIV Prevention Service Expansion Initiative
52	Translational	Cardiology	Mohammed	Soheb Anwar	Fibrin-Targeted Phase Shift Microbubbles for the Treatment of Myocardial Microvascular Obstruction: A Porcine Study
53	Translational	Pulmonary, Allergy, Critical Care, and Sleep Medicine	Podguski (BS)	Stephanie	Therapeutic Targeting of Mitochondrial Function in Chronic Obstructive Pulmonary Disease (COPD) Using Extracellular Vesicles
54	Translational	Malignant Hematology and Medical Oncology	Roberts	Alexander	Sphingosine Kinase 2: A Promising Component of Quiescent Ovarian Cancer Cell Biology
55	Translational	Vascular Medicine Institute	Salam	Samreen	CLPX knockout in macrophages affects heme synthesis and erythropoiesis
56	Translational	Rheumatology and Clinical Immunology	Siwek	Jane	Identification of immune microniches and therapeutic targets in HFpEF using interpretable machine learning
57	Translational	Malignant Hematology and Medical Oncology	Sonnabend	Jonah	Development of single-cell derived alloreactive T cell receptor libraries against HLA-A*02:01
58	Translational	Pulmonary, Allergy, Critical	Varley BS	Scarlett	Effect of Cigarette Smoke Extract and Diesel Particulate Matter on human lung senescence.

		Care, and Sleep Medicine			
59	Translational	Pulmonary, Allergy, Critical Care, and Sleep Medicine	Vo, Ph.D.	Quoc	Reconstitution of Pulmonary Immune Dysfunction in Down Syndrome Individual using a Next-Generation Autologous Small-Airway-on-a-Chip
60	Translational	Pulmonary, Allergy, Critical Care, and Sleep Medicine	Walter	Sydney	PABPC4: A Genetic Driver of Mitochondrial Dysfunction and Emphysema in COPD Targeted by a First-in-Class Therapeutic Agent
61	Clinical	General Internal Medicine	Deshpande, BS	Ronit	Using Photovoice to Illuminate Barriers in Xylazine-Induced Wound Care among Unhoused Patients
62	Clinical	General Internal Medicine	Hileman-Kaplan, BA	Ella	Preliminary Results from a Diabetes Self-Management Study: MPowerHub Pilot Trial
63	Clinical	Geriatric Medicine	Legeza, BS	Vanessa	Tailoring Cardiac Rehabilitation through Patient-Centered Design as a Part of the Approach for the MCNAIR Study: coMparative effeCtiveness of iN-person and teleheAlth cardlac Rehabilitation
64	Clinical	Pulmonary, Allergy, Critical Care, and Sleep Medicine	Lu, MD	Michael	Measurements of mid-flow impairment (FEF25-75%) associated with airway dominant phenotype and future obstruction in Preserved Ratio Impaired Spirometry (PRISm).
65	Clinical	Pulmonary, Allergy, Critical Care, and Sleep Medicine	Lubas	Arai	Non-Invasive Breath Biopsy for Pneumonia Diagnosis in Hospitalized Adults: A Proof-of-Concept, Feasibility Study
66	Clinical	Pulmonary, Allergy, Critical Care, and Sleep Medicine	Oldham, CRNP	Emma	Assessing the value of a mask-fitting clinic for patients struggling with continuous positive airway pressure therapy.
67	Clinical	Cardiology	Ozbay	Benay	Point-of-Care Ultrasound-Guided Diuresis for Decompensated Heart Failure to Reduce 30-Day Readmissions and Kidney Injury

68	Clinical	Cardiology	Shah, BS	Neil	Infections After Temporary Mechanical Circulatory Support in Cardiogenic Shock: Incidence, Predictors, and Outcomes
69	Clinical	General Internal Medicine	Vellore, BS	Amogh	Mixed Reality-Based Endoscopic Streaming for Skull Base Surgery: A Cadaveric Feasibility and Performance Study
70	Clinical	Infectious Diseases	Voragen, BA	Viktoria	Invasive mold infection in severe burns: A single accredited burn center 10-year experience
71	Epidemiology	Infectious Diseases	Awobode	Oluwayemisi	Is there an Association between Prior Urological Interventions and Escherichia coli Bacteremia: A 20-month Retrospective Cohort Study
72	Epidemiology	Vascular Medicine Institute	Chan	Zachary	Heart rate phase is an indicator of chronotype-relevant circadian shifts associated with human disease
73	Epidemiology	Geriatric Medicine	Katakol	Sahana	Longitudinal Insights into Mobility and Assistive Device Utilization: Sociodemographic Determinants and Health Trajectories in Aging
74	Epidemiology	Infectious Diseases	Kinzler	Amy	Chemical Water disinfection and point of use filtration at healthcare facility: long term efficacy report
75	Epidemiology	Pulmonary, Allergy, Critical Care, and Sleep Medicine	Kobayashi, MPH	Misaki	Environmental Lithium Exposure is Associated with Reduced Emphysema Severity and Progression in the COPDGene Cohort
76	Epidemiology	Rheumatology and Clinical Immunology	Liarski, MD, MSc	Vladimir	Algorithm for Identifying US Veterans with Inclusion Body Myositis from the Corporate Data Warehouse
77	Epidemiology	Cardiology	Ramadugu, BS	Anvith	Impact of Early Versus Late Discharge on Readmission After Aortic Valve Replacement
78	Health Services	General Internal Medicine	Quinn, PhD, MSc, MLitt	Deirdre	Pharmacist provision of contraception in VA: Findings from the Contraception on Demand program
79	Health Services	General Internal Medicine	Serviss	Jessica	Receipt of shared decision making and preference for medication visit frequency among patients in medication treatment for opioid use disorder
80	Health Services	General Internal Medicine	Shergill, MS, B Pharm	Gagandeep Singh	Patient perceptions of the relationship between medications for OUD and dental health

81	Quality Improvement	General Internal Medicine	Goswami	Mariska	Harm Reduction in Methadone Clinics: Addressing the Complexities of Opioid Use Disorder
82	Quality Improvement	General Internal Medicine	Hwang, BA	Sophie	Patient Navigation for Breast Cancer Screening in a Shelter-Based Clinic
83	Quality Improvement	Renal-Electrolyte	Lavenburg	Linda-Marie	A Human-Centered Design Approach to Develop 'The Health Integrated Nutrition and Kidney Wellness' Intervention with Community, Health System, and Patient Partners
84	Quality Improvement	General Internal Medicine	Shang, MD, MS	Margaret	WoundWell: A Low-Barrier, Patient-Centered Quality Improvement Initiative for Xylazine-Associated Wounds in Allegheny County
85	Medical Education	General Internal Medicine	Halthore, BS, BA	Amitha	Film as a Lens for Exploring Agency in Neurological Illness
86	Medical Education	General Internal Medicine	Tayade	Sophie	Innovating Recruitment of Multidisciplinary Health Providers through a Case Competition