

Saturday, June 7, 2025 Poster Session Saturday, June 7th at 1:00 PM EST - S1-S86

Abstract #	Name	Institution	Title
S1 - C	Audrey Putelo	University of Virginia	Distal inflammatory priming of normal mammary tissue by the gut microbiome drives breast tumor metastasis via metabolic dysregulation
S2 - C	Caitland Love	University of Florida	Radial Glial Cells as Source Antigen for Adoptive Cellular Therapy in
S3 - C	Cassandra Poole	Virginia Tech	Investigating the role of NF- κ B inducing kinase NIK in granulocyte plasticity associated with Hypereosinophilic Syndrome HES.
S4 - C	Cara Hatzinger	University of Virginia	Investigating the role of TLR5 signaling in the failure of FLT3 ligand therapy for ovarian cancer
S5 - C	Tina Comlekoglu	University of Virginia	Type I IFN receptor blockade alleviates liver fibrosis through macrophage-derived STAT3 signaling
S6 - C	William Mills III	University of Virginia	The Role of Microglial Cyclooxygenase-1 in Modulating Basal Cerebral Capillary Tone in vivo
S7 - C	Andrew Pahnke	Vanderbilt University	Conventional type 1 dendritic cells transfer mitochondria to CD8 T cells during antigen presentation
S8 - C	Simona Bajgai	University of Virginia	Commensal dysbiosis mediates changes in mammary tissue mast cells and fibroblasts to promote HR breast tumor dissemination
S9 - C	Sam Young	University of Virginia	Systemic-Prime Mucosal-Boost Vaccination in Combination with Immune Checkpoint Blockade in Lung Tumor Bearing Mice
S10 - C	Huixian Hong	University of Alabama, Birmingham	CK2 alpha Expression in B-cells Drives IgA B-cell Infiltration into the Central Nervous System during Autoimmune Neuroinflammation
S11 - C	Mika Poblete	University of Virginia	Gut-commensal dysbiosis modifies the lung environment to enhance breast cancer metastasis through a mast-cell dependent axis
S12 - C	Tamalika Paul	Virginia Tech	Bubble therapy Histotripsy for pancreatic tumor ablation modulates the tumor microenvironment and enhances systemic anti-tumor immunity in an in-vivo murine model
S13 - C	Smriti Parashar	Immunology Center of Georgia, Augusta University	Treg to cytotoxic exTreg transition in humans
S14 - C	Ayana Ruffin	Emory University	CD2 costimulation improves efficacy of adoptive T cell therapy in solid tumors
S15 - C	Dan Jin	University of Florida	Dendritic cell dysfunction driven by hypoxia pathway activated DC tolerance as an immune evasion mechanism in adoptive cellular therapy
S16 - C	Brennan Stadler	University of Virginia	Deletion of Adult-Onset Asthma-associated Genetic Variants Increases HDAC7 Expression.
S17 - C	Yang Han	George Mason University	The decameric repeats DRs of PSGL-1 function as a basic antiviral unit in restricting
S18 - C	Wiktoria Szwalec	University of Virginia	Role of Myeloid cells in the development of Metabolic Associated Steatohepatitis MASH in animal model
S19 - C	Teresa Tamborra-Walton	Vanderbilt University	Glutaminase enhances anti-tumor activity of conventional type 1 dendritic cells in female mice
S20 - C	Kyung Eun Kim	Vanderbilt University	Glutaminase is a novel immunometabolic regulator of dendritic cell functions
S21 - C	Bilgunay Ilkin Safa	Vanderbilt University	SGLT2 Inhibitors Modulate Inflammation by Altering Macrophage Metabolism and Decreasing Monocyte Platelet Aggregates

S22 - C	Vikram Sabapathy	University of Virginia	IL-33/ST2 Signaling Regulates Treg Mitochondrial Metabolism and Lipid Utilization to Promote Renal Repair
S23 - C	Arka Sen Chaudhuri	University of Virginia	Cellular Signatures of Hybrid Immunity Underpinning Superior Mucosal
S24 - C	Malcolm OMalley	University of Virginia	Systems Model Predicts Mechanisms of Neutrophil-induced Cardiac Inflammation
S25 - C	Alexis Johnson	University of Virginia	Microglia-dependent SYK signaling coordinates cerebral T cell responses and neurodegeneration in tauopathy
S26 - C	Sophie OKeefe	University of Virginia	PARP inhibitors boost antitumor effects of ADAR1 inhibition regardless of BRCA1 status
S27 - C	Alexis Cox-Holmes	University of Alabama, Birmingham	Gut microbiota shape immune patterns in naïve and glioma-bearing humanized microbiome mice
S28 - C	Emily Grayson	University of Virginia	IL-33/ST2-independent activation of type 2 responses in allergic asthma
S29 - C	Alex Merder	Duke University	Investigating the role of effector B cells in the brain during CNS viral infection
S30 - C	Sophia Kerns	University of Virginia	Network Model Predicts Anti-Inflammatory Mechanisms of Colchicine
S31 - C	Caroline Danielski	University of Virginia	Shifts in small intestine epithelial immune phenotypes are associated with intestinal bacterial overgrowth in a mouse model of undernutrition
S32 - C	Asmaa O. Mohamed	University of Virginia	Engineered T cell therapy modulates tumor-infiltrating CD4 T cell differentiation in ovarian cancer
S33 - C	Zaid Syed	University of North Carolina, Chapel Hill	Tunable Transcription Factor Control for T Cell Programming via Clinically Approved Drug
S34 - C	Yaning Li	University of Virginia	Enhancing aspartate production improves the persistence of engineered T cells in pancreatic cancer
S35 - C	In Su Cheon	University of Virginia	Infection-experienced alveolar macrophages sustain airway T cell memory
S36 - C	In Su Cheon	University of Virginia	Function of tissue-resident helper T cells in chronic lung sequelae following viral pneumonia
S37 - C	Spenser Stone	Vanderbilt University	IL-4 Signaling Drives Lag-3 expression on macrophages.
S38 - C	Pierce DiMare	University of Virginia	Post-translational nitration at Rop5 locus shapes virulence and immune evasion in Toxoplasma gondii
S39 - C	Bin-Bin Schell	University of Florida, Scripps	Defining REV-ERBas Ligand-Mediated Transcriptional Mechanisms in Th17 Cells
S40 - C	YuJie Chen	Emory University	Sexual Dimorphism in Macrophage Function Restricts Immune Checkpoint Blockade in Pancreatic Cancer
S41 - C	Joshua Samuels	University of Virginia	SHP-1 negatively regulates microglial innate immune responses in A β
S42 - C	Xian Zhou	University of Virginia	First glimpse of immune surveillance during premalignant progression of triple negative breast cancer
S43 - S	Amrita Haikerwal	George Mason University	CD34 serves as an intrinsic innate immune guardrail protecting stem cells from replicating retroviruses.
S44 - S	Gillian McClennen	University of Virginia	Intestinal Dysbiosis and Inflammation in Lupus A Multi-Omics Approach
S45 - S	farha naz	University of Virginia	IL-33 Restores Humoral Immunity to Prevent Recurrent C. difficile Infection
S46 - S	Bailey Holder	University of Tennessee, Knoxville	Deciphering the interplay between fever and neutrophil immunometabolism during infection

S47 - S	Aliyah Collins	University of Tennessee, Knoxville	Untangling the immunologic imbalance in SLE NET release
S48 - S	Jeffrey Reitano	Duke University	Chlamydia trachomatis evades a novel intracellular defense pathway
S49 - S	Jazmin Kelly	University of Virginia	Paradoxical Inverse Duration-dependent Inhibition of IL-1 β Release in Response to Short- and Long-Term Prednisolone Treatment from Anti- to Pro-Inflammatory
S50 - S	Jazmin Kelly	University of Virginia	Dimethyl sulfoxide reduces Lipopolysaccharide/Nuclear factor Kappa B NF-kB-dependent inflammation
S51 - S	Parastoo Amlashi	Vanderbilt University	Discovery of Cross-reactive RSV/hMPV antibodies using LIBRA-seq
S52 - S	Kinjal Gupta	Virginia Commonwealth University	Targeting Bcl-xL with A-1331852 inhibits breast cancer relapse following chemotherapy-induced tumor dormancy
S53 - S	Paris Davey	Emory University	Phase 2 Study of Perioperative Lenvatinib with Pembrolizumab in Patients with Locally Advanced Nonmetastatic Clear Cell Renal Cell Carcinoma
S54 - S	Nicholas Gascoigne	Immunology Center of Georgia, Augusta University	LCK knockout enables allogeneic CAR-T activity
S55 - S	Natalia Jaeger	Immunology Center of Georgia, Augusta University	Exploring Racial Impact on Endometrial Cancer Immune Landscape
S56 - S	Shelby Schenck	University of Virginia	Mechanism of the IBD susceptibility factor CREM in the DSS-colitis model
S57 - S	Megan Mazzei	University of Virginia	MICE HARBORING A HUMAN AFRICAN G6PD GENE VARIANT CAUSING G6PD DEFICIENCY HAVE DECREASED ATHEROPROTECTIVE IgMOSE AND INCREASED ATHEROSCLEROSIS.
S58 - S	Erin Lawrence	University of Virginia	Towards Modeling Vaccine Drainage Using Ex Vivo Lymph Node Slices In An Organ-On-Chip Device
S59 - S	Gislane de Almeida Santos	University of Virginia	CD38 Regulates Age-dependent Protective and Pathological Functions of CD8 TRM Cells
S60 - S	Michael Rose	University of Alabama, Birmingham	Novel Identification of HIV-1 truncated TW10 epitope SW9 dually restricted by HLA-E.
S61 - S	Maurice Bukenya	Duke University	Role of Serum IgA Glycosylation in Modulating HIV Vaccine Efficacy
S62 - S	Genevieve Mullins	University of North Carolina, Chapel Hill	Reprogramming CD8 T cell differentiation through gain-of-function genetic manipulation
S63 - S	Jiayi Tian	University of Virginia	Investigating the role of α 2A adrenergic receptor in acute C. difficile infection
S64 - S	Laura Newman	University of Virginia	Mitochondrial DNA replication stress triggers a pro-inflammatory endosomal pathway of nucleoid disposal
S65 - NA	Raj Joshi	University of Virginia	No Longer Presenting
S66 - S	Leonardo Ferreira	Medical University of South Carolina	Fine-tuning chimeric antigen receptor signaling to minimize pro-inflammatory programs in human regulatory T cells
S67 - S	Sydney Blimbaum	University of Virginia	Patients With IgE Sensitization to Galactose- α -1,3-Galactose Have Increased Coronary Artery Disease Associated With CXCR5 Expression on Circulating Memory B Cell Populations
S68 - S	Carly M Van Wagoner	University of Virginia	Investigating the combinatorial advantages of myeloid manipulation and focused ultrasound

S69 - S	Thomas Sherlock	University of Virginia	avb3-CAR-T Cell Efficacy is Maintained Following Subtotal Focused Ultrasound Mechanical Ablation in an Orthotopic Breast Tumor Model
S70 - S	Mackenzie Woolls	Virginia Tech	Suppression of SARS-CoV-2 Pathogenesis through NLRX1
S71 - S	Shay Ladd	University of Virginia	Glycosylation-Mediated Drivers of Immune Checkpoint Inhibitor Response in Melanoma
S72 - S	Jinyi Tang	University of Virginia	Mechanisms of superior respiratory IgA responses after mucosal vaccination
S73 - S	Jonathan Chuck	University of Florida, Scripps	ROR α regulates the differential development of CD8 memory subsets.
S74 - S	Michelle Montoya	University of Virginia	Tissue-specific vulnerabilities of Foxp3-driven transferrin receptor deletion
S75 - S	Garima Singh	University of North Carolina, Chapel Hill	Characterization of a Murine Model of Enterovirus D68 Associated Acute Flaccid Myelitis and Antibody-Based Therapeutics
S76 - S	Gillian Quinn Horn	Duke University	Epstein-Barr Virus Drives Atypical B Cell Differentiation via an IFN γ -Independent, EBNA2-T-bet Axis
S77 - S	Benjamin Wendell	University of Virginia	Exploring the Role of the Genetic Risk Factor RIN3 in Microglia Biology and Alzheimers Disease
S78 - S	Zehra Demir	University of Virginia	Impact of Focused Ultrasound Ablation on Innate Immune-Targeted Antibody Access in Solid Tumors A Theranostic PET Imaging
S79 - S	Shelby Ma	Eastern Virginia Medical School at Old Dominion	Role of Desmosterol in the regulation of B cell subset functions in atherosclerosis.
S80 - S	Alina Moriarty	Eastern Virginia Medical School at Old Dominion	The Balancing Act STAT4 As A Regulator In Insufficient Sleep Associated Atherosclerosis And Survival
S81 - S	Yasmine Toudji	Vanderbilt University	Differential adaptative responses of T cells to mild heat stress
S82 - S	Brett P Ransegnola	University of Virginia	The helix-loop-helix transcription factor Id3 regulates Marginal Zone B cell development and homeostasis
S83 - S	Elizabeth Fink	University of Virginia	The Relationship Between Acute Respiratory Viral Infection, Chronic Inflammation, and Accelerated Aging
S84 - S	Megan Yi	University of Virginia	Accelerated Aging as a Result of Viral Infection
S85 - S	Nestor Prieto-Dominguez	University of Alabama, Birmingham	Targeting Ifn γ -dependent Pros1 signaling to improve the macrophage anti-tumor response
S86 - S	Yan Wang	Immunology Center of Georgia, Augusta University	EGFP-talin1 knock-in mice reveal talin1 recruitment and distribution during neutrophil rolling and migration

C at the end of Abstract # indicates Commonwealth Meeting Room of Newcomb Hall 3rd Floor

S at the end of Abstract # indicates South Meeting Room of Newcomb Hall 3rd Floor