

Friday, June 6, 2025 Poster Session Friday, June 6th at 4:10 PM EST - F1-F86

Abstract #	Name	Institution	Title
F1 - NA			
F2 - C	Qingkang Lyu	Immunology Center of Georgia, Augusta University	Three-step transition from Tregs to exTregs
F3 - C	Destiny Davis	University of Florida	The ubiquitin ligase Cul4b drives B cell proliferation and antiviral antibody
F4 - C	Oliver Pelletier	University of Virginia	Programmed Cell Death Protein 1 PD-1 Regulates Metabolic Activity of Regulatory T cells in Ischemia-Induced Acute Kidney Injury
F5 - C	Lydia Sibley	University of Virginia	Caspase-8 expression in CD8 T cells promotes pathogen restriction in the brain during Toxoplasma gondii infection
F6 - C	Sydney Labuzan	University of Virginia	The Role of CNS-Resident Antigen Presentation in Toxoplasma gondii Infection
F7 - C	Kevin Maroney	University of Alabama at Birmingham	HLA-E Restricted RL9 and KF11-specific CD8 T cells Detected in Acutely HIV-Acquired People with HIV Using Novel Multimer Synthesis Protocol
F8 - C	Aaron Silva Sanchez	University of Alabama at Birmingham	Regulatory maturation of cDC1 accelerates effector CD8 T cell contraction after severe influenza A virus infection.
F9 - C	Chaofan Li	University of Virginia	Heterogeneous of protective lung resident memory T cells
F10 - C	Fayrouz	Duke University	Characterizing the role of astrocytic and microglial IL-33R signaling in neuroinflammation in Experimental Autoimmune Encephalomyelitis
F11 - C	Wyatt Schug	University of Virginia	Cardiometabolic Disease Expands Basophil Heterogeneity and Promotes Pro-inflammatory Endothelial Interactions
F12 - C	Sameer Tiwari	George Mason University	PSGL-1 excludes HIV Env from virion surface through spatial hindrance involving structural folding of the decameric repeats DR
F13 - C	Shengen Shawn Hu	University of Virginia	Single cell multiomics resolves ETP heterogeneity and identifies Tcf1 and Lef1 as pre-thymic initiators of the ETP fate
F14 - C	Mahta Gooya	University of Virginia	Characterizing the Role of TLR2/- Eosinophils in Protection Against Clostridioides difficile Infection
F15 - C	Claire Williams	University of Virginia	A nutrient deficient, humanized diet drives Immunoglobulin A overproduction and small intestinal bacterial overgrowth in mice
F16 - C	Gabriel Falcao Alencar	University of Virginia	Spatially Resolved Analysis of T and B Cell Interactions in Merkel Cell Carcinoma
F17 - C	Madison Turner	University of Virginia	Proteomic and gene expression profiling the tissue microenvironment of Large Granular Lymphocyte Leukemia
F18 - C	Clara Bourgon	Duke University	Role of IL-1b signaling in preventing the progression of primary amoebic meningoencephalitis
F19 - C	Mollie Usher	University of Florida	Identifying Common Human STING Genotype Associated with Alzheimers Disease
F20 - C	Aaron Stein	University of Virginia	Respiratory Mucosal Interferon Gene Response to Rhinovirus Infection in Children with Severe Asthma and Adenotonsillar Hypertrophy
F21 - C	Anna King	University of Tennessee	Oncolytic herpes simplex virus efficacy as a glioblastoma therapeutic is modulated by preexisting viral immunity
F22 - C	Wei Qian	University of Virginia	Respiratory viral infections prime accelerated lung cancer growth
F23 - C	Claire Fleming	University of Virginia	The IL-33/ST2 signaling axis regulates pulmonary type 2 immunity in SARS-CoV-2 infection and enhances COVID-19 disease severity

F24 - C	Qiya Qi	University of Virginia	AT2 Cells Sustain Lung CD8 TRM Survival In Vitro
F25 - C	Akash Shah	Immunology Center of Georgia, Augusta University	Spatial Transcriptomics of the Tumor Microenvironment Identifies Long Term Immunotherapy Responders in MMR-proficient, p53mut Endometrial Cancers
F26 - C	Yingbing Zuo	Immunology Center of Georgia, Augusta University	Identification of Alternative Splicing Events regulating Tregs and exTregs Phenotypes in Atherosclerosis
F27 - C	Ana Royo Marco	University of Virginia	Therapeutic VEGFC treatment provides protection against traumatic brain injury-driven tauopathy pathogenesis
F28 - C	Hannah Rendulich	University of Virginia	The Therapeutic Potential of Interferon Lambda in Clostridioides difficile Infection
F29 - C	Feifan Xu	University of Virginia	Unraveling the Role of Melanoma-Cognate CD4 T cells in Enhancing Vaccine-Induced Memory CD8 T Cell Development
F30 - C	Alexander Ball	Emory University	Development of a tolerogenic mRNA vaccine for organ transplantation
F31 - C	Emma Hathaway	Vanderbilt University	Identifying regulators of CAR-T cell survival and adaptation to improve efficacy against solid tumors
F32 - C	Francesca Nanetti	University of Virginia	Unraveling the effects of genetic and pharmacological Complex I targeting on ovarian cancer microenvironment
F33 - C	Eddie-Williams Owiredun	University of Alabama at Birmingham	Irf1 attenuates inflammatory gene programs in B cells and alters pathogenic B cell subsets in autoimmunity and inflammaging
F34 - C	Bowen Hou	Immunology Center of Georgia, Augusta University	PD-1 signal in T cell exhaustion defined and confused
F35 - C	Hannah Teddleton	University of Tennessee	Single-cell transcriptomic profiling of immune response to Haemonchus contortus in resistant and susceptible sheep
F36 - C	Lydia Kitelinger	University of Virginia	Mechanical ablation enhances acute activation of melanoma-specific T cells tumor antigen acquisition by conventional dendritic cells in a trafficking independent manner.
F37 - C	Lesly Mejia	University of Florida	The ubiquitin ligase Cul4b is essential for antibody-mediated protection against Influenza A virus infection
F38 - C	Abigail Kelly	University of Virginia	Tnfr1 is critical for immune cell infiltration into the brain during T. gondii infection.
F39 - C	Ravi Komaravolu	Immunology Center of Georgia, Augusta University	Intrinsic Metabolic and Immune Dysregulation of Intermediate Monocytes in Sarcoidosis
F40 - C	AeRyon Kim	University of Virginia	Investigating the Effect of Focused Ultrasound on Tumor-Associated Macrophages
F41 - C	Ishita Tandon	Immunology Center of Georgia, Augusta University	Immunodominant Apolipoprotein B epitopes targeted by human CD8 T cells
F42 - C	Suki Chen	University of Alabama at Birmingham	Functional Profiling of CXCR3-Expressing Plasma Cells in Systemic Lupus Erythematosus
F43 - C	John Figg	University of Florida	Rewiring glioma immunity targeted disruption of the CCL12-MDSC axis in adoptive cellular therapy
F44 - S	Mingyang Ma	University of Virginia	Plasma Lacritin as 15-mer N-104 Suppresses Pancreatic Lymph Node TCF7hi Progenitor-like Autoimmune Cells and Independently Regenerates Islet β -Cells
F45 - S	Ajasha Thames	University of Alabama at Birmingham	ST6Gal-I targets CD25 and TGF- β RI/II to control iTreg differentiation

F46 - S	Jordan Flemming	Duke University	Investigating the role of avidity in Fab-dimerized glycan-reactive antibody function
F47 - S	Sara Clasen	University of Tennessee	Recognition of Commensal Flagellins by Host Immunity
F48 - S	Josefina Garcia Diaz	University of Virginia	Zika virus induces monocyte recruitment in the immunocompetent adult brain driving chronic inflammation
F49 - S	Callista Reber	University of Tennessee	Deciphering the effect of short-term fasting on the antibacterial capacity of neutrophils during infection
F50 - S	Cameron Mattingly	Emory University	Human lung CD8 TRM-derived interferon-g orchestrates subset specific antiviral programming in airway epithelial cells
F51 - S	Katherine Saldana	University of Virginia	Altered intestinal migration during systemic autoimmunity
F52 - S	Gabriel Valentin Guillama	Immunology Center of Georgia, Augusta University	Unraveling the Role of CXCR3 Monocytes in Tumor-Driven Myelopoiesis and Immunity
F53 - S	Amaya Dewmee Weerasinghe	University of Tennessee	Neutrophil Responses to Type 3 Pneumococcus The Impact of Strain Variability
F54 - S	Amber Gomez	University of North Carolina, Chapel Hill	Molecular drivers of CD8 T cell exhaustion across cancer and chronic infection
F55 - S	Dana Van Fossen	University of Virginia	Functional dynamics of childrens T follicular helper cells in the context of cryptosporidiosis
F56 - S	Debjani Dutta	Medical University of South Carolina	Risk Biomarkers of Chronic Graft-versus-host disease in Children aged 10 years or younger and Children/adults Older than 10 years
F57 - S	Christopher Pastore	University of Virginia	IL-5 Signaling Protects Mice from Acute Lung Injury Through an Eosinophil Independent Mechanism
F58 - NA	Yunfeng Zong	Medical University of South Carolina	No Longer Presenting
F59 - S	Maile Hollinger	University of Virginia	Probiotic-derived exopolysaccharide interferes with Th2 priming and inhibits allergic inflammation
F60 - S	Xingjun Wu	Medical University of South Carolina	IL-9 producing type 2 innate lymphoid cells in the regulation of acute lung injury after allogeneic hematopoietic stem cell transplantation HSCT
F61 - S	Claire	University of Virginia	Therapeutic CD40 and TLR3 agonism induces durable, T cell-dependent survival in a murine model of glioblastoma.
F62 - S	Will Green	University of North Carolina, Chapel Hill	Molecular architecture of CD8 T cell adaptation to tissue and tumor microenvironments
F63 - S	Rosymar Rivera	University of Virginia	Targeted combination therapy to overcome adenosine-mediated immune suppression in ovarian cancer
F64 - S	Leonardo Ferreira	Medical University of South Carolina	Chimeric anti-HLA antibody receptor engineered regulatory T cells CHAR Tregs suppress allogeneic HLA-specific B cells from pre-sensitized transplant recipients
F65 - S	Aida Oryza Lopez Ortiz	University of Virginia	P2RY12 REGULATES MICROGLIAL TRANSCRIPTONAL IMMUNO-METABOLIC AND ACTIVATION STATES
F66 - S	Anna Sawik	University of Virginia	A Systems Approach to Modelling Maternal - Fetal Immune Transfer
F67 - S	Xinran Wang	University of Alabama at Birmingham	AXL drives regulatory cDC1 maturation to control CD8 T cell contraction during severe influenza recovery

F68 - S	Rachel McMillan Boone	University of Virginia	The first-trimester maternal microbiome is predictive of chronic inflammation and unfavorable birth outcomes in a Bangladeshi population
F69 - S	Amanda Lulu	University of Virginia	Acquired CAR-T therapy resistance in a pre-clinical model of pediatric rhabdomyosarcoma minimal residual disease
F70 - S	Thomas Sherlock	University of Virginia	Focused Ultrasound-Mediated Blood Brain Barrier Opening Enhances Delivery and Efficacy of $\alpha\beta3$ -CAR-T Cells in a Breast Cancer Brain Metastasis Model
F71 - S	Julia Gregory	Virginia Tech	Antagonism of Inflammation Signaling by NLRX1 During SARS-CoV-2 Infection
F72 - S	Yoojin Lee	University of Virginia	Improving Viability and Function of Ex Vivo Lymph Node Slice Cultures by Optimizing Flow and Oxygenation
F73 - S	Caitlin Sullivan	University of Virginia	Mechanistic Insights from Computational Modeling of Maternal Immunization and Antibody Transfer
F74 - S	Irina Baranovskaya	Immunology Center of Georgia, Augusta University	POU2F2 Regulates CD11c Expression and Abundance of Non-Classical Monocytes in Mouse Bone Marrow
F75 - S	Landon M Clark	Vanderbilt University	Loss of germinal center formation impairs type 1 diabetes development independently of anti-insulin B lymphocyte expansion
F76 - S	Bokani Nleya	University of Alabama, Birmingham	Assessing susceptibility of cervical explant tissue to HIV-1 infection following masculinizing hormone therapy.
F77 - S	Tuisha Gupta	Emory University	Targeting Anti-Tumor Phagocytosis to Treat Prostate Cancer
F78 - S	Zehra Demir	University of Virginia	Focused Ultrasound and α CD40 Drive Tumor Regression and Immunologic Memory via Innate and Adaptive Reprogramming in Breast Cancer
F79 - S	Mitra Harrison	Duke University	The Impact of mRNA-LNP Vaccine Regimen on the Expansion and Affinity Maturation of HIV-1 CD4 Binding Site-Specific B Cells in Rhesus Macaques
F80 - S	Eric Yeatts	University of Virginia	The Potential Role of Alveolar Macrophage Peroxisomes in Treating Lung Fibrosis
F81 - S	Saleem Anwar	Emory University	Thymus independent artificial organoid predicts blocked T cell lineage fate of hematopoietic stem and progenitor cells under HIV/SIV infection condition
F82 - S	Sheikh Rahman	Emory University	Thymus independent artificial organoid supports complete thymopoiesis from nonhuman primate derived hematopoietic stem and progenitor cells
F83 - S	Clint Upchurch	University of Virginia	Myeloid cell ferroptosis drives injury after hemorrhagic stroke
F84 - S	Lamis El-Baz	Louisiana State University	SHMT2 regulates Treg cell function and stability during mucosal inflammation
F85 - S	Alex Coleman	Eastern Virginia Medical School at Old Dominion	Going With The Flow Utilizing Autofluorescence to Maximize Flow Cytometry
F86 - S	Tula Raghavan	University of Virginia	Oligodendrocyte Genomic Damage and Myelin Maintenance in Alzheimer's Disease

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