

SLB 2024

Not Lost in Translation: Innate and Adaptive Immunity

October 21-25, 2024

Kellogg Hotel and Conference Center of Michigan State University, Lansing, MI, USA
Chairs: Amanda Brown, *Johns Hopkins University*, Jamie Sturgill, *University of Kentucky* & Nathaniel Lartey, *University of Michigan*

Following in the long tradition of SLB, this meeting will showcase the latest scientific advances in understanding fundamental immune mechanisms of leukocyte biology in health and disease. This meeting will bring together leukocyte biologists who work in a transdisciplinary fashion to conduct basic, clinical, and/or translational research.

Featuring Keynote Speaker and 2024 Legacy Awardee, Alfred Ayala, Rhode Island Hospital presenting "*Mechanisms of Immune Dysfunction in Sepsis/Shock: Some Unique Roles for Checkpoint Proteins*"

Plenary Sessions

- Cancer Immunology
 - **Neutrophil Trafficking and Function in Gut Inflammation**, Ronen Sumagin, *Northwestern University*
 - **When T-cells Go Awry: Biology and Clinical Manifestations of T-cell Lymphomas**, Francine Foss, *Yale University*
 - **Cancer Immunotherapy Without Autoimmunity**, David Fox, *University of Michigan*
- Infectious Diseases
 - **Unraveling How Pathogens Shape Host Immunity**, Keke Fairfax, *University of Utah*
 - **Sepsis Precision and Applied Therapies**, Ken Remy, *Case Western University*
 - **Airway Macrophage Heterogeneity in Health and Disease**, Henry Mwandumba, *Malawi-Liverpool-Wellcome Trust Clinical Research Programme*
- Immune Response to Hypersensitivity
 - **Keratinocytes: First Responders of Neuroinflammation in Allergic Contact Dermatitis**, Adriana Larregina, *University of Pittsburgh*
 - **IL-33-dependent Immunity is Only Skin Deep**, DeBroski Herbert, *University of Pennsylvania*
 - **Microbiome, Metabolites, and Allergic Responses**, Nick Lukacs, *University of Michigan*
- Autoimmunity and Immunodeficiency
 - **Host Genetic Modifiers of Immunodeficiency and Alloimmunization**, Neil Hanchard, *NIH*
 - **SLE: Interferon and Beyond**, Virginia Pascual, *Cornell University*
 - **Revisiting the Functions of IL-15**, Sheela Ramanathan, *University of Sherbrooke*

Concurrent sessions

- Immunodeficiency
 - **Genetics in Human Antibody Deficiency: What Have We Learned?**, Charlotte Cunningham-Rundles, *Icahn School of Medicine at Mount Sinai*
- Data, Omics, and more
 - **Macrophage Phenotypic State Transitions**, Bryan Bryson, *MIT*
- Hypersensitivity
 - **Basophils and Eosinophils in Chronic Urticaria**, Eric Oliver, *Johns Hopkins University*

- Tissue Immunity
 - **The Role of the Stress-activated Transcription Factor, Nrf2, in Antiviral Response and Food Allergy**, Cheryl Rockwell, *Michigan State University*
- Rare Leukocyte Cell Types in Inflammation
 - **Adipose-Resident $\gamma\delta$ T Cells as Mediators of Age-Related Inflammation**, Marlene Starr, *University of Kentucky*
- Cancer Immunology
 - **Understanding Checkpoint Blockade Toxicity in Cancer**, Kavita Dhodapkar, *Emory University*
- Host-Pathogen Dynamics
 - **Reframing Viral Infections as Acute Metabolic Disorders**, Rushika Perera, *Colorado State*
- Clinical Research: Recent Advances in Leukocyte Biology
 - **Role of Low-Density Neutrophils in COVID-19**, Kenneth McLeish, *University of Louisville*

Accepting abstract submissions in the above AND ALL Recent Advances in Leukocyte Biology.

Additional Program Elements in 2024

- Member led Special Interest Group Satellites
 - Career Pathways Panel Workshop Dinner
- ImmunoReach Participation sharing Immunology Education Trends and Concepts
- “IEIIS Day” – an optional full-day add-on program presented by the International Endotoxin and Innate Immunity Society
 - DEI hosted breakfast and networking
 - Trainee Flash Talks
 - Undergraduate Posters
- Merit Awards for all career and education levels