

SLB 2025

Inflammation: A Goldilocks Story

October 29 – November 1, 2025

Westin Bayshore, Vancouver, British Columbia, Canada
Chairs: Laura Sly, University of British Columbia & Vidula Vachharajani, *Cleveland Clinic*

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. Confirmed invited speakers and featured topics are listed below.



The 2025 Legacy Lecture Awardee has been named! Please congratulate Elizabeth J. Kovacs on this well-deserved recognition by our community. Dr. Kovacs will present the Legacy Lecture at SLB 2025 titled "**Inflamm-aging, Intoxication, and Injury: My Journey through Leukocyte Biology**".

Plenary Sessions

- Sepsis - *TOO HOT*
 - **Deciphering Sepsis with Systems Immunology Approaches: New Diagnostic and Therapeutic Concepts**, Bob Hancock, *University of British Columbia*
 - **Sepsis Immune Response: The Sirtuin Story**, Vidula Vachharajani, *Cleveland Clinic*
 - **Why Do Babies Get Sick? A Systems Biology Approach to Developing Diagnostics and Therapeutics for Neonatal Sepsis**, Amy Lee, *Simon Fraser University*
- Cancer Biology & Immunology – *TOO COLD*
 - **Novel Roles of STATs 1 and 2 in Cancer**, George Stark, *Cleveland Clinic*
 - **Immune Control of Pediatric Leukemia - Timing is Everything**, Gregor Reid, *University of British Columbia*
 - **Regulation of Cytokine Responses: Updates in STAT2 and its Role in Human Diseases**, Yuxin Wang, *Cleveland Clinic*
- Metabolomics - *TOO MUCH*
 - **Metabolic Changes Required for Monocyte to Macrophage Transition**, Edward Pearce, *Johns Hopkins University*
 - **Empowering Immunity: Metabolic Insight into Immune Cell Function**, Ramon Klein Geltink, *University of British Columbia*
 - **Regulation of Immunity and Inflammation by the Immunometabolite**, Luke O'Neill, *Trinity College*
- Inborn Errors of Immunity – *TOO LITTLE*
 - **Human Host Factors in Severe Viral Diseases**, Anne Puel, *INSERM*
 - **Immune Dysregulation in Inborn Errors of Immunity**, Catherine Biggs, *University of British Columbia*
 - **Host-Microbiota Interactions in Inflammatory Intestinal Disease**, Gabriel Nunez, *University of Michigan*

Concurrent sessions

- Intestinal Organoids
 - **Eating Dead Cells can be Proinflammatory**, Thaddeus Stappenbeck, *Cleveland Clinic*

- Vaccines
 - **Safe Starts: Vaccines to Protect Newborns from Influenza**, Martha Alexander-Miller, *Wake Forest University*
- Through Space and Time: Spatial Transcriptomics
 - Kevin Maloy, *University of Glasgow*
- Host-Pathogen Interactions
 - **Host Pathogen Responses in the Young and Old**, Paul Kubes, *University of Calgary*
- Ghost Cytometry
 - **Cytometers that Learn: From Diagnosis to Discovery**, Sadao Ota, *University of Tokyo*
- Host-Pathogen Interactions- Type 2 Immune Responses
 - **Autologous Macrophage Transfer to Treat Colitis**, Derek McKay, *University of Calgary*
- CAR in Innate Cells
 - **Targeting an Epigenetic Checkpoint of CAR-NK Cell Activation**, Hind Rafei, *MD Anderson*
- Trained Immunity
 - **Trained Immunity as a Strategy for Preventing Nosocomial Infections**, Julia Bohannon, *Vanderbilt University*

SLB 2025 will begin accepting abstract submissions in the above topics AND ALL Recent Advances in Leukocyte Biology beginning in early 2025. Many award opportunities are available for merit recognition as well as need based grant travel support.

Additional Program Elements in 2025

- Member led Special Interest Group Satellites
 - Career Pathways Panel Workshop Dinner
- Engagement and Enrichment breakfast and networking
 - Poster Sessions
 - Trainee Flash Talks
 - Undergraduate Posters
- Merit Awards for all career and education levels