**MONDAY, MARCH 22**
Arrival and Registration

**TUESDAY, MARCH 23**
Welcome and Keynote Address (X8)
Sarah Spiegel, Virginia Commonwealth University, USA
Sphingosine-1-Phosphate: From Bench to Clinic

Welcome and Keynote Address (X7)
Yasmine Belkaid, NIAID, National Institutes of Health, USA
Commensal Specific T Cell in Tissue Repair Responses

**Lipid Regulation of Metabolic Disorders I (X8)**
Jean E. Schaffer, Harvard University, USA
Lipids and Metabolic Stress
Scott A. Summers, University of Utah, USA
Ceramides and Metabolic Stress
Julian L. Griffin, University of Cambridge, UK
Lipids and Cardiovascular and Steatotic Risk

Short Talks Chosen from Abstracts

Rethinking Myeloid Cells in Resolution, Repair and Regeneration I (X7)
Kodi S. Ravichandran, University of Virginia, USA
Can We Chat and Resolve This? Metabolite-Based Communication between Myeloid Cells and Others
Elina I. Zuniga, University of California, San Diego, USA
Dendritic Cell Adaptations to Persistent Pathogen Exposure
Florent Ginhoux, Singapore Immunology Network, Singapore
Macrophage Heterogeneity in Tissue Repair

Short Talks Chosen from Abstracts

Lipid Regulation of Metabolic Disorders II (X8)
Christine Des Rosiers, Montreal Heart Institute (MHI), Canada
Talk Title to be Announced

Speaker to be Announced

Huiyong Yin, Shanghai Institute of Nutrition and Health, China
Oxidized Lipids Regulating Atherosclerosis and Metabolism
Maria Fedorova, University of Leipzig, Germany
Epilipidomics Signature of Metabolic Diseases

Short Talks Chosen from Abstracts

Rethinking Myeloid Cells in Resolution, Repair and Regeneration II (X7)
Ashley W. Seifert, University of Kentucky, USA
Macrophage Heterogeneity during Musculoskeletal Regeneration in Spiny Mice

Will Wood, University of Edinburgh, UK
Understanding Inflammatory Cell Migration in Drosophila

Benedicte Chazard, Université Claude Bernard Lyon, France
Efferocytosis and the Resolution of Inflammation during Muscle Regeneration

Short Talks Chosen from Abstracts

**POSTER SESSION 1**

**WEDNESDAY, MARCH 24**

**Lipids in Cancer I (X8)**
Michael J.O. Wakelam, Babraham Institute, UK
Cancer Lipidomics and Lipid Unsaturation
John E. Burke, University of Victoria, Canada
Lipid Protein Interaction in Cancer
Julie D. Saba, University of California, San Francisco, USA
Sphingosine Phosphate Lyase Insufficiency Syndrome: Features and Treatment of an Atypical Sphingolipidosis

Short Talks Chosen from Abstracts

‘Forget Me Not’: Importance of Stromal Cells from Inflammation to Resolution (X7)
Christopher D. Buckley, University of Birmingham, UK
Fibroblast Heterogeneity in Inflammation and Tissue Damage
Valerie Horsley, Yale University, USA
Myofibroblast Proliferation and Heterogeneity in Skin Repair
Carla V. Rothlin, Yale University, USA
Integration of Cell Death Sensing in Tissue Repair Responses
Ophir Klein, University of California, San Francisco, USA
Regenerative Strategies of the Intestinal Epithelium

Short Talks Chosen from Abstracts

Workshop: Lipidomics and Lipidmaps (X8)

Short Talks Chosen from Abstracts

**Lipids in Cancer II (X8)**
Phillip T. Hawkins, Babraham Institute, UK
P13 kinase/PTEN Prostate Cancer, Lipid Structure
Simon T. Barry, AstraZeneca, UK
P13 Kinase and Cancer

Short Talks Chosen from Abstracts

**INTERFACE OF INFLAMMATION, RESOLUTION AND DISEASE (X7)**
Nicola L. Harris, Monash University, Australia
Emerging Concepts on Type 2 Immunity in Homeostasis, Helminth Infections and Tissue Repair
Ira Tabas, Columbia University, USA
Efferocytosis in Inflammation Resolution

* Session Chair † Invited but not yet accepted  Program current as of March 29, 2020. Program subject to change. Meal formats are based on meeting venue. For the most up-to-date details, visit https://www.keystonesymposia.org.
Bruce D. Levy, Brigham and Women’s Hospital, USA
Leukocyte SPM Pathways in Human Sepsis

Short Talks Chosen from Abstracts

THURSDAY, MARCH 25

Lipids in Inflammation and Infection (X8)
Valerie B. O'Donnell, Cardiff University, UK
Oxidized Lipids and Platelet Function

Gregory D. Fairn, University of Toronto, Canada
Lipid Signals in Response to Bacterial Infection

Bruce D. Levy, Brigham and Women’s Hospital, USA
Polyisoprenyl Phosphate Remodeling Regulates Dendritic Cell Antigen Uptake and Lung inflammation

Robert V. Stahelin, Purdue University, USA
Lipids and Flaviviruses

Nihal Altan-Bonnet, NHLBI, National Institutes of Health, USA
Extracellular Vesicle Membranes: Vehicles of en masse Transport and Immune Suppression

Short Talks Chosen from Abstracts

Neuroimmune Interactions in Resolution of Inflammation (X7)
Daniel Mucida, Rockefeller University, USA
Neuro-Immune Interactions in the Gut

Diana Bautista, University of California, Berkeley, USA
Neuroimmune Interactions in Chronic Itch

Jonathan Kipnis, University of Virginia, USA
Advantageous Brain Drain: Lymphatics of the Brain and its Communication with the Immune System

Phillip Popovich, Ohio State University, USA
Resolution of Inflammation in Spinal Cord Injury

Short Talks Chosen from Abstracts

Lipids Neurodegeneration I (X8)
Steffany A.L. Bennett, University of Ottawa, Canada
Glycerolipids and Neurodegeneration

Gilbert Di Paolo, Denali Therapeutics Inc., USA
Lipids and Neuronal Disorders

Vytas A. Bankaitis, Texas A&M University, USA
Inositol Lipid Signaling and Development of the Mammalian Brain

Tony Futerman, Weizmann Institute of Science, Israel
Sphingolipids and Gaucher Disease

Short Talks Chosen from Abstracts

Emerging Concepts in Inflammation and Resolution (X7)
Speaker to be Announced

Judith Campisi, Buck Institute for Research on Aging, USA
Cellular Senescence in Tissue Repair and Regeneration

Gabrielle Fredman, Albany Medical Center, USA
New Mechanisms for Specialized Pro-Resolving Mediators in Atherosclerosis and Aging

Short Talks Chosen from Abstracts

Lipids Neurodegeneration II (X8)
Eamonn James Dickson, University of California, Davis, USA
Cholesterol and Phosphoinositides in Neurodegeneration

Rachel Saunders-Pullman, Mount Sinai, USA
Lipidomics in Parkinson Disease

Penelope Hallett, Harvard Medical School, USA
Lipid Metabolism Alters A-Synucleinopathy

Short Talks Chosen from Abstracts

Translating Inflammation and Resolution to Therapies (X7)
Thomas A. Wynn, Pfizer, USA
Targeting Type 1 and Type 2 Fibrosis towards Tissue Regeneration

Bart N. Lambrecht, VIB, Ghent University, Belgium
It is Crystal Clear: Antibody-Based Resolution of Pathogenic Crystals in the Asthmatic Lung

Charles N. Serhan, Brigham and Women’s Hospital, USA
The Resolution of Inflammation: Origins and New Directions

Short Talks Chosen from Abstracts

Meeting Wrap-Up: Outcomes and Future Directions (Organizers)

FRIDAY, MARCH 26

Departure