### FRIDAY, MAY 4

**2:30 PM – 4:30 PM**
- B Cell Biology
- Influence of Cytokines and Chemokines on Regional Immunity
- Macrophages and Myeloid and Dendritic Cells in Tumor Immunity and Immunotherapy
- Regulatory Mechanisms of Innate Immune Responses
- T cell Responses During Acute and Chronic Virus Infections
- T Lymphocytes and Tregs: Activation, Differentiation and Tolerance

### SATURDAY, MAY 5

**8:00 AM – 10:00 AM**
- Basic Autoimmunity: Novel Molecules
- Innate Immunity to Microbes I
- Microbial, Parasitic, and Fungal Immunity
- Regulation of Immunity in the Skin and Lung Mucosa

**10:15 AM – 12:15 PM**
- Combination Therapies for Immuno-Oncology
- Innate Immunity to Microbes II
- Novel Vaccines and Immunotherapies Against Infectious Diseases
- Regulation of Innate and Cytotoxic Lymphocyte Responses:
  - Molecular Mechanisms

**12:30 PM – 2:30 PM**
- T Cell Signaling: Membrane to Nucleus

**3:45 PM – 5:45 PM**
- B cells and B/T cell Interactions
- Basic Autoimmunity: Regulatory T Cells
- ILCs in Tumor Immunity and Immunotherapy

### SUNDAY, MAY 6

**8:00 AM – 10:00 AM**
- Basic Autoimmunity: Microbial Connections
- Mechanisms of Cytokine and Chemokine Function and Regulation
- T and NKT Development
- The Tumor Microenvironment
- Treatment Strategies in Systemic Autoimmunity

**10:15 AM – 12:15 PM**
- B cell and CD4 T cell Responses During a Virus Infection
- Immunometabolism in Tumor Immunity and Immunotherapy
- Innate Immune Sensing and Signaling

**12:30 PM – 2:30 PM**
- Basic Autoimmunity: Role of T Cells
- Cell Therapy
- Immune Memory and Aging
- Myeloid Cells, Antigen Presentation, and Regulatory Factors During Virus Infections

**3:45 PM – 5:45 PM**
- Cancer Vaccines
- Human Host Defense
- Inflammatory Mediators at Mucosal Surfaces
- Lymphocyte Activation, Differentiation, and Regulation
- Metabolism and Molecular Immunology
- Tolerance Induction, Signaling, and Cell-Based Therapy in Autoimmunity

### MONDAY, MAY 7

**8:00 AM – 10:00 AM**
- Cellular Immune Responses at the Mucosa
- Hematopoiesis and B Cell Development
- Inflammation and Disease
- Innate Immunity
- Microbiome, Diet, and Metabolism at the Crossroads of Autoimmune Therapeutics
- Technological Innovations I

**10:15 AM – 12:15 PM**
- Basic Autoimmunity: Innate Immune Mechanisms
- Peripheral Lymphocyte Development and Homeostasis

**12:30 PM – 2:30 PM**
- Antigen Processing and Presentation
- Food Allergy and Hypersensitivity
- Leukocyte Adhesion and Migration
- Mast Cell Biology
- Veterinary and Comparative Immunology

**3:45 PM – 5:45 PM**
- Basic Autoimmunity: B Cells and Germinal Centers
- Efficacy of Vaccines and Immunotherapies: Cellular and Molecular Regulation
- ILCs and IELs - Regulators of Mucosal Immunity
- Metabolome, Host Defense, and Tissue Injury
- Molecular Mechanisms of T Helper Cell Differentiation and Responses
- Novel Therapeutic Approaches in Neuro-Inflammation
- Transplantation Immunology

### TUESDAY, MAY 8

**8:00 AM – 10:00 AM**
- Autoimmunity, Hypersensitivity, and Tolerance
- Immune Responses to Viruses in the Respiratory Tract
- Innate Immune Cells & Mechanisms
- Pathogen Control and Evasion Strategies
- Technological Innovations II
- Therapeutic Antibodies and Immunomodulators

**10:15 AM – 12:15 PM**
- Asthma, Lung Inflammation, and Immunity
- Cytokines/Chemokines and the Innate Immune Response to Viruses
- Inflammasomes
- Innate Leukocyte Responses
- Mucosal Immune Regulation by Microbiota and Diet
- T cells in Tumor Immunity and Immunotherapy