Preliminary Program

**Monday, June 17**

FOCISed Courses (separate registration required)
8:00 am – 5:00 pm
**Basic Immunology in Medicine: Update 2019 Course**

8:00 am – 5:00 pm
**Systems Immunology Course**

**Tuesday, June 18**

FOCISed Course (separate registration required)
8:00 am – 5:00 pm
**Cancer Immunity & Immunotherapy Course**

FOCISed Workshop (separate registration required)
8:00 am – 12:00 pm
**Big Data ImmPort Workshop**

Member Society Symposia (included in FOCIS 2019 registration)
8:00 am – 12:00 pm
**Immune Aberrations in Human Disease**
**Indian Immunology Society (IIS)**

**From Pathogens to Immunotherapy over the Atlantic**
**French Society of Immunology (FSI) & Latinoamerican Association of Immunology (ALAI)**

**Imaging Immune Responses to Transplanted Organs**
**American Society of Transplantation (AST) & The Transplantation Society (TTS) & American Society of Histocompatibility and Immunogenetics (ASHI)**

**Understanding Human Immune Response Variability from Population to Single Cell Levels**
**Milieu Intérieur (FCE)**

**Developing Therapeutic Antibodies for Successful Entry into the Clinic**
**The Antibody Society**

Updated March 20, 2019
Member Society Symposia

1:00 – 5:00 pm

Glycans in Immune Homeostasis and Inflammation

National Institutes of Health (NIH) & National Institute of Dental and Craniofacial Research (NIDCR) & National Institute of Allergy and Infectious Diseases (NIAID)

Viral Mechanisms in Rheumatic Disease
American College of Rheumatology

Mobilizing Mucosal Immunology
Society for Mucosal Immunology

Regulatory Mechanisms of Innate Immune Responses that Influence Transplantation, Autoimmune Disease and Cancer
Association of Medical Laboratory Immunology (AMLI) & American Society of Histocompatibility and Immunogenetics (ASHI) & National Institutes of Health (NIH) & National Institute of Allergy and Infectious Diseases (NIAID)

Single Cell Analytics of Autoimmune Target Tissue to Elucidate Disease Pathogenesis and Treatment Targets
Accelerating Medicines Partnership (AMP)

Opening Keynote Address
5:30 – 6:15 pm

ER Stress Reprograms the Tumor Microenvironment
Laurie Glimcher, MD, Dana Farber Cancer Institute

Opening Exhibit and Poster Reception (authors present)
6:15 – 7:30 pm

Wednesday, June 19

Plenary Sessions
8:00 – 9:30 am

Cancer Immunotherapy: Light the Fire
TBD

F. Stephen Hodi, MD, Dana-Farber Cancer Institute
Redirecting T-cells for Cancer Immunotherapy Using Next Generation Bispecific Antibodies and Fusion Proteins
Bob Coffman, PhD, Dynavax
Redirecting T-cells for Cancer Immunotherapy using Next Generation Bispecific Antibodies and Fusion Proteins
Pablo Umana, PhD, Roche
10:00 – 11:30 am

**Metabolic Control**

*Immunometabolic Checkpoints of Inflammation*
**Vishwa Deep Dixit, DVM, PhD, Yale University**

*Signaling Circuits and Metabolic Control of Adaptive Immunity*
**Hongbo Chi, PhD, St. Jude Children's Research Hospital**

*Dissecting Tumor Metabolism from Immunometabolism to Enhance*
**Jonathan Powell, MD, PhD, Johns Hopkins Medicine**

---

**Lunch Programs**

11:45 am – 1:00 pm

**Lupus Insight Prize Award**
Sponsored by Lupus Research Alliance

---

**Thematic Symposia**

1:00 – 2:45 pm

**Immune Barriers to Protein/Gene Replacement Therapies**

*In vivo Gene Transfer at the Edge Between Immunity and Tolerance*
**TBD**

**Amy Rosenberg, MD, US Food and Drug Administration**

*In vivo Gene Transfer at The Edge Between Immunity and Tolerance*
**Federico Mingozzi, PhD, Spark Therapeutics**

*Response to the Antibodies Challenges in Pompe Disease*
**Priya Kishnani, MD, Duke University**

**Myeloid Cells in Human Disease**

*Clonal Hematopoiesis and Myeloid Cells in Human Disease*
**Kenneth Walsh, PhD, Boston University**

*Getting at Disease Mechanism through Studies on Lipoprotein Trafficking*
**Gwendalyn Randolph, PhD, Washington University**

*Adding New Pieces to the Human Lupus Puzzle*
**M. Virginia Pascual, Cornell University**

**Xenobiology and Generation of Tissue for Transplantation**

*Overcoming Rejection of Cardiac Xenograft*
**Muhammad Mohiuddin, MD, University of Maryland**

*Interspecies Chimeras for Generation of Functional Organs*
**Hiromitsu Nakauchi, MD, PhD, Stanford University**

*Strategies for Success of Xenotransplantation*
**Kazuhiko Yamada, MD, PhD, Columbia University**
Flow Cytometry Course (included in FOCIS 2019 registration)
3:15 – 5:15 pm
Immune Monitoring for International Clinical Studies
Angelique Biancotto, PhD, Sanofi

Proficiency Testing: The EQAPOL Experience
Janet Staats, BS, Duke University

Oral Abstract Sessions
3:15 – 5:15 pm
Announced in March 2019

Keynote Address
5:30 – 6:15 pm
Organoids as Models of Human Disease
Hans Clevers, MD, PhD, University Hospital Utrecht

Exhibit and Poster Reception (authors present)
6:15 – 7:30 pm

FOCIS Member Reception
7:30 – 8:30 pm (FOCIS members only)

Thursday, June 20
Plenary Sessions
8:00 – 9:30 am
Cytokine Therapy
TBD
Warren Leonard, MD, National Heart, Lung, and Blood Institute/National Institutes of Health
TBD
Kevan Herold, MD, Yale University
Inflammation and Atherothrombosis: From Theory to Proven Intervention
Paul Ridker, MD, Brigham and Women’s Hospital

10:00 – 11:30 am
Tissue Resident Immunity
Tissue T cell Phenotypes in Human Autoimmunity
Deepak Rao, MD, PhD, Brigham and Women’s Hospital
Microbiota, Intestinal Permeability and Gut-Liver Axis
Maria Rescigno, PhD, European Institute of Oncology
TBD
Donna Farber, PhD, Columbia University
Lunch Programs
11:45 am – 1:00 pm
Engaging with the Immune Tolerance Network (ITN)
Immune Tolerance Network (ITN)

RESTORE Health by Advanced Therapies - Opportunities & Challenges

Thematic Symposia
1:00 – 2:45 pm

Aging/Senescence: Immunology of the Ages
The Microbiome-B cell Axis in Aging-associated Insulin Resistance
Arya Biraygn, PhD, National Institute on Aging
Macrophage and Dendritic Cell Biology: From Development to Functions
Florent Ginhaux, PhD, Agency for Science Technology and Research
T-cell Aging
Jorg Goronzy, MD, Stanford University

Humanized Mouse Models of Immune Disease
Humanized Mice to Study Cancer-immune System Interface
Karolina Palucka, MD, PhD, The Jackson Laboratory
Humanized Mouse Models of Organ Transplantation
Jordan Pober, MD, PhD, Yale University
Human Immune System Mouse Models for Understanding Human Diseases
James di Santo, MD, PhD, Institut Pasteur

Immunotherapy for Allergic Disease
Human T Cell Responses in Allergy and Immunotherapy
Erik Wambre, PhD, Benaroya Research Institute
TBD
Robert Wood, MD, Johns Hopkins Medicine
Immunotherapeutic Approaches to Treat IgE-mediated Food Allergy
Hugh Sampson, MD, Mount Sinai School of Medicine

Oral Abstract Sessions
3:15 – 5:15 pm
Announced in March 2019

State of FOCIS Address by FOCIS President
5:30 – 5:40 pm
Maria-Grazia Roncarolo, MD, Stanford University
Keynote Address
5:40 – 6:25 pm
Mark Davis, PhD, Stanford University

Exhibit & Poster Session (authors present)
6:15 – 7:30 pm

Friday, June 21
Plenary Sessions
8:00 am – 9:30 am
Epigenetics to Dissect Immune Cell Identity in Health and Disease
Single-cell Epigenomics in Cancer Immunotherapy
Ansuman Satpathy, MD, PhD, Stanford University
Three-dimensional Gene Regulatory Architectures Reveal Causal, Disease-associated Variants and Genes at Inflammatory GWAS Loci
Andrew Wells, PhD, University of Pennsylvania
Epigenetic Regulation of T cell Differentiation
Ben Youngblood, PhD, St. Jude Children’s Research Hospital

10:00 am – 11:30 am
Immune Checkpoints: Autoimmunity, Cancer and Infectious Diseases
TBD
Randolph Noelle, PhD, Dartmouth College
TBD
Sanjeev Mariathasan, PhD, Genentech
The Biology of PD-1 Checkpoint Blockade
Arlene Sharpe, MD, PhD, Harvard University

Thematic Symposia
1:00 – 2:45 pm
Next Generation Cytokine Therapies in the Clinic
Dual Blockade of IL-17F and IL-17A in Chronic Inflammatory Diseases: From Immunosuppression to Resolution of Inflammation
Dominique Baeten, MD, University of Amsterdam
Neutrophil Cytoplasts: A Surprising Mechanism for Non-T2 Inflammation in Asthma
Bruce Levy, MD, Brigham & Women’s Hospital
Recent Advances in the Pathophysiology and Management of Atopic Dermatitis
Graham Ogg, MD, PhD, University of Oxford

The Effects of Stromal and Myeloid Cells on Immune Inflammation
TBD
Shannon Turley, PhD, Genentech
Primary Immune Regulatory Disorders: A Novel and Emerging Class of Primary Immunodeficiencies

Immune Dysregulation Associated with STAT3 Gain-of-Function in Patients and Insights from an Animal Model
Megan Cooper, MD, PhD, Washington University

Very Early Onset Inflammatory Bowel Disease – Bridging Genetics to Molecular Functions to Therapies
Scott Snapper, MD, PhD, Children’s Hospital Boston
Genetics to Therapy – Pleiotropic Kinase Mutated in a Child
Dusan Bogunovic, PhD, Mount Sinai School of Medicine