

25 YEARS OF FOCIS

FOCIS[®]

2025

**SCIENTIFIC
PROGRAM**

JUNE BOSTON
24-27 MASSACHUSETTS



FOCIS 2025 Annual Meeting Preliminary Program

As of April 1, 2025

Monday, June 23, 2025

Pre-Meeting FOCISed Courses (separate registration required)

8:00 AM – 6:00 PM

Systems Immunology Course

Faculty and agenda coming soon

Tuesday, June 24, 2025

Pre-Meeting FOCISed Courses (separate registration required)

8:00 AM – 5:15 PM

Cancer Immunity & Immunotherapy Course

Faculty and agenda coming soon

Member Society Symposia (specific session start and end times vary)

8:00 AM – 11:30 AM

German Society for Immunology

German Strategy for Cell- and Gene-based Therapies

8:00 AM – 11:30 AM

Clinical Immunology Society and Lupus Research Alliance (LRA)

Deciphering the Genetic Etiologies of Lupus - One Gene at a Time

8:00 AM – 11:30 AM

American Society for Histocompatibility and Immunogenetics, American Society of Transplantation, and The Transplantation Society

Evolving Cell Therapies in Transplantation - Epigenetic Modulation

8:00 AM – 9:30 AM

International Cytokine and Interferon Society

Inflammation in the Gut: How Cytokines Determine Host Fate



FOCIS 2025 Annual Meeting Preliminary Program

As of April 1, 2025

8:00 AM – 9:30 AM

American Society for Transplantation and Cellular Therapy

CARs for Cancer and Beyond: What's new in the showroom?

8:00 AM – 9:30 AM

European Academy of Allergy and Clinical Immunology (EAACI)

Immune and Microbiome Dynamics in Respiratory and Allergic Diseases

10:00 AM – 11:30 AM

The Japanese Society of Clinical Immunology

Perspectives Gained from Elucidating Immune Pathways and Immune Cells Across Immune-mediated Diseases

10:00 AM – 11:30 AM

French Society of Immunology (FSI)

New Insights in HPV-related Diseases at Pathogen, Host and Therapeutic Levels.

10:00 AM – 11:30 AM

Asia Pacific Association for Allergy, Asthma & Clinical Immunology

Advances in Allergy and Immunology from Mast Cells, Climate Change, Gut Microbiome to Biomarkers

1:30 PM – 5:00 PM

Common Mechanisms of Autoimmunity, Joint effort by Breakthrough T1D (formerly JDRF), Lupus Research Alliance, and the National MS Society

Investigating Common Mechanisms of Autoimmunity

1:30 PM – 5:00 PM

Millennium Institute on Immunology and Immunotherapy in Partnership with the Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán; Mexican Translational Immunology Research Group; Instituto de Estudios Inmunológicos y Fisiopatológicos; Centre of Translational Immunology at the Institut Pasteur de Montevideo

Latin-American Immunologists Symposium

1:30 PM – 5:00 PM

TAbS (The Antibody Society)

Understanding the Human Immune Response Through Advances in Immune Repertoire Analysis

1:30 PM – 5:00 PM

American Uveitis Society and the American College of Rheumatology

An Eye on the Microbiome - New Paradigms and Opportunities for Therapeutic Intervention



FOCIS 2025 Annual Meeting Preliminary Program

As of April 1, 2025

1:30 PM – 5:00 PM

International Union of Immunological Societies (IUIS)

Innate Immunotherapy in Cancer: Bridging Fundamental Mechanisms and Clinical Trials

1:30 PM – 5:00 PM

Association of Medical Laboratory Immunologists (AMLI), and the American Society for Histocompatibility and Immunogenetics (ASHI)

Spotlighting New Discoveries: Translating Promising New Technologies to Better Understand and Manage Cancer, Autoimmune Disease and Transplantation

Opening Keynote Address

5:30 PM – 6:15 PM

Clinical Immunology through the Lens of Infectious Diseases: A Current Perspective from NIAID

Jeanne Marrazzo, MD, MPH, FACP, FIDSA

National Institute of Allergy and Infectious Diseases at the U.S. National Institutes of Health

Opening Reception: Exhibits and Poster Reception (authors present)

6:15 PM – 7:30 PM

Wednesday, June 25, 2025

Plenary Sessions

8:00 AM – 9:30 AM

Tissue Generation and Repair

8:00 AM Tregs and Tissue Repair

Diane Mathis, PhD, Harvard University

8:30 AM *Title to be announced*

Marco Colonna, MD, Washington University in St. Louis

9:00 AM The Tapestry of Human Prenatal Immunity

Muzlifah Haniffa, PhD, Wellcome Sanger Institute

Morning Break

9:30 AM – 10:00 AM

Plenary Sessions

10:00 AM – 11:30 AM



FOCIS 2025 Annual Meeting Preliminary Program

As of April 1, 2025

Engineered Immunity; Finding the Sweet Spot

- 10:00 AM Harnessing Innate Immunity in Cancer Therapy
Eric Vivier, PhD, Innate Pharma and AP-HM, Aix-Marseille University and Centre d'Immunologie de Marseille-Luminy
- 10:30 AM Development of iPS Cell-based T Cell Therapy Product for Controlling Antigen-specific Immunity
Shin Kaneko, MD, PhD, Center for iPS Cell and Research and Application (CiRA), Kyoto University
- 11:00 AM Checkpoint Myocarditis: Bridging Clinical Challenges and Translational Discoveries
Kerry Reynolds, MD, Massachusetts General Hospital
Chloe Villani, PhD, Massachusetts General Hospital

Industry and Partner Sessions

11:30 AM – 1:00 PM

- 11:30 AM *Title and speakers to be announced*
Lupus Research Alliance

Thematic Symposia

1:00 PM – 2:45 PM

Allergy – Mechanisms to Treatments

- 1:00 PM Identifying, Characterizing, and Targeting Distinct Sources of IgE to Durably Reverse Allergy
Andre Limnander, PhD, Regeneron
- Abstract EVO756: A Promising Oral MRGPRX2 Inhibitor Showing Strong Preclinical and Phase 1 Results
Lorena Riolo-Blanco, PhD, Evomune, Inc
- 1:40 PM Fungal Symbiosis in the Gastrointestinal Tract: Implications for Cytokine-Mediated Immune Communication
Iliyan D. Iliev, PhD, Weill Cornell Medicine
- Abstract EZH2 Is a Molecular Determinant of Epithelial Cell Hyperresponsiveness and Severe Airway Disease
Savannah Sawaged, PhD, Genentech
- 2:20 PM Peripheral Neuroimmune Interactions in Allergic Disorders
Nicolas Gaudenzio, PhD, INSERM and Genoskin

Microbiome and Immunity

- 1:00 PM Immune Dysregulation and Microbiota in Primary Immune Deficiency
Barbara Cassani, PhD, University of Milan / IRCCS Humanitas Research Hospital
- Abstract Pooled Faecal Microbiotherapy Can Curb Refractory Gastrointestinal Acute Graft-versus-Host Disease Likely Through DP8a Treg Induction/Activation
Margaux de Seilhac, INSERM U1302 - Immunology and New Concepts in Immunotherapy (INCIT)
- 1:40 PM Role of Anti-microbiota Immunity in Inflammatory Bowel Disease
Ivan Vujkovic Cvijin, PhD, Cedars-Sinai Medical Center



FOCIS 2025 Annual Meeting Preliminary Program

As of April 1, 2025

Abstract Sex Differences in the Human Gut Microbiota Contribute to CNS Autoimmunity

Rachel Rock, University of California – San Francisco

2:20 PM Host-microbiome Immunity at the Oral Barrier

Niki Moutsopoulos, DDS, PhD, NIH/NIAID

Systems Immunology & AI

1:00 PM *Title to be announced*

F. Nina Papavasiliou, PhD, German Cancer Research Center

Abstract A Multiomics Resource of B Cell Activation Helps Decipher Disease Pathogenesis

Vitor Aguiar, Boston Children's Hospital, Harvard Medical School

1:40 PM Charting the Immune System Landscape

Shai Shen-Orr, PhD, Technion / CytoReason

Abstract Non-linear Trajectories of Human Immune Ageing Associated with Long-Term Survival

Prasanti Kotagiri, PhD, Cambridge University

2:20 PM *Title to be announced*

John Tsang, PhD, Yale University

Afternoon Break

2:45 PM – 3:15 PM

Oral Abstract Sessions

3:15 PM – 5:15 PM

Titles and speakers to be announced in April 2025

Immunogenetics

Autoimmunity and Transplantation

Late-Breaking Abstracts

Flow Cytometry Course: Day 1

3:15 PM – 5:15 PM

Chair: Holden Maecker, PhD, Stanford University

Keynote Address

5:30 PM – 6:15 PM

Title to be announced

Ira Mellman, PhD, Medici Therapeutics

Exhibits and Poster Reception (authors present)

6:15 PM – 7:30 PM



FOCIS 2025 Annual Meeting Preliminary Program

As of April 1, 2025

FOCIS Member Reception (FOCIS members only)

7:30 PM – 8:30 PM

Thursday, June 26, 2025

Plenary Sessions

8:00 AM – 9:30 AM

Neuronal Control of Immune Response

8:00 AM Interorgan Neuroimmune Axes

Brian Kim, MD, MTR, FAAD, Icahn School of Medicine at Mount Sinai

8:30 AM Neuroimmune Interactions Shaping Social Behavior

Gloria Choi, PhD, The Picower Institute for Learning and Memory / Massachusetts Institute of Technology

9:00 AM Body Brain Circuits Regulating Inflammation and Infection

Hao Jin, PhD, NIH/NIAID

Morning Break

9:30 AM – 10:00 AM

Plenary Sessions

10:00 AM – 11:30 AM

JAK/STATs in Disease

10:00 AM Genetic Architecture of Incomplete Penetrance

Dusan Bogunovic, PhD, Columbia University

10:30 AM Mechanisms of Variable Penetrance and Precision Medicine Opportunities Gleaned from Genetic Disorders
Impacting JAK/STAT Signaling

Joshua Milner, MD, Columbia University

11:00 AM JAK/STATs in Disease

Arsalan Shabbir, MD, Kymera Therapeutics

State of FOCIS Address

11:45 AM – 11:55 AM

Ignacio Anegón, MD, Nantes University, FOCIS President

Keynote Address

11:55 AM – 12:40 PM

From Chasing My Cure to Every Cure: Leveraging Novel Techniques and Mechanistic Insights to Unlock New Uses for Old Drugs

David Fajgenbaum, MD, MBA, MSc, University of Pennsylvania



FOCIS 2025 Annual Meeting Preliminary Program

As of April 1, 2025

Industry and Partner Sessions

12:40 PM – 2:10 PM

Announced in April 2025

Thematic Symposia

2:10 PM – 3:55 PM

Immune Dysregulation, Lessons from Monogenic Disease

2:10 PM *Title to be announced*

Michael Ombrello, MD, NIH/NIAID

Abstract EML4 Deficiency as a Novel Cause of Alveolar Macrophage Dysfunction and Interstitial Lung Disease

Shruti Swamy, MBBS, FRACP, Garvan Institute of Medical Research

2:50 PM Novel Coenzyme Q6 Genetic Variant Increases Susceptibility to Pneumococcal Disease

Sharon Celeste Morley, MD, PhD, Washington University in St. Louis

Abstract Dissecting the Glycolytic Requirements of Human T Cells via G6PC3 Deficiency

Xin Zhen, BS, Vanderbilt University

3:30 PM A (Not-So) Rare Monogenic Disease: Lessons from Population Wide Studies of TNFAIP3

Daniella Schwartz, MD, University of Pittsburgh

Environment Impact on Immunity & Inflammation

2:10 PM *Title to be announced*

Jin-Ah Park, MS, PhD, Harvard University

Abstract Friend or Foe? Tissue Resident Memory CD8⁺ T Cells with Patient Specific TCRs Induce Allopurinol Associated Stevens-Johnson Syndrome and Toxic Epidermal Necrolysis

Chelsea Campbell, MS, Vanderbilt University

2:50 PM Heterogeneity of Type 2 Immune Response in Rewilded Mice

P'ng Loke, PhD, NIH/NIAID

Abstract Chronic Exposure to Glyphosate-Based Herbicides Compromises Semen Quality, Which in Turn Disrupts the Immunoregulation of the Female Genital Tract and Affects Fetal Development

Yair Chocobar, Centro de Investigación en Bioquímica Clínica e Inmunología (Consejo Nacional de Investigaciones Científicas y Técnicas - Universidad Nacional de Córdoba)

3:30 PM Early Life Exposures Guide Immune System Development in Human Newborns

Petter Brodin, MD, PhD, Karolinska Institutet

Vaccines, Emerging Pathogens & Post-infectious Syndromes

2:10 PM Blood Drivers of Thromboinflammation and Neuropathology in COVID-19

Katerina Akassoglou, PhD, Gladstone Institutes, University of California – San Francisco

Abstract Beyond Genetics: Lyme Disease's Unexpected Role in Connective Tissue Health - Findings from a Murine Model for Borrelia burgdorferi Infection and the Human Clinical Study MAESTRO

Grace Loeser, BSc, Massachusetts Institute of Technology



FOCIS 2025 Annual Meeting Preliminary Program

As of April 1, 2025

- 2:50 PM Vaccine Immunity Counteracts Respiratory Virus-mediated Impairment of Immunological and Neurological Synapses
Alexis Kalergis, PhD, Millennium Institute on Immunology and Immunotherapy, Pontificia Universidad Católica de Chile
- Abstract Germline Variants and Somatic Mosaic Chromosomal Alterations Affect COVID-19 Vaccine Immunogenicity, Infectious Diseases, and Autoimmune Diseases
Yukinori Okada, MD, PhD, University of Tokyo, Osaka University, RIKEN IMS
- 3:30 PM What Triggers Multisystem Inflammatory Syndrome in Children after SARS-CoV-2 Infection?
Adrienne Randolph, MD, MSc, Harvard University

Afternoon Break

3:55 PM – 4:25 PM

Oral Abstract Sessions

4:25 PM – 6:25 PM

Announced in April 2025

Immuno-oncology
 Immuno-engineering and Therapeutics
 Immune Mechanisms

Flow Cytometry Course: Day 2

4:25 PM – 6:25 PM

Chair: Holden Maecker, PhD, Stanford University

Flow Cytometry Preprocessing and Quality Control

Caroline Duault, PharmD, PhD, Stanford University

Manual Gating Guidelines for Flow Cytometry

Holden Maecker, PhD, Stanford University

Exhibits and Poster Reception (authors present)

6:30 PM – 7:45 PM

Friday, June 27, 2025

Plenary Sessions

8:00 AM – 9:30 AM

Metabolic Dysfunction and Inflammation

8:00 AM Obesity, Bariatric Surgery, the Gut Microbiome, and Immunotherapy Response in Breast Cancer

Liza Makowski, PhD, MS, University of Tennessee

8:30 AM Metabolic Dysfunction in the Inflammatory Microenvironment

Jeffrey Rathmell, PhD, Vanderbilt University



FOCIS 2025 Annual Meeting Preliminary Program

As of April 1, 2025

9:00 AM Metabolic Regulation of Immunological Aging
Vishwa Deep Dixit, DVM, PhD, Yale University

Morning Break

9:30 AM – 10:00 AM

Precision Medicine for Immune Dysregulation

10:00 AM *Title to be announced*
Kristine McKinney, PhD, Moderna

10:30 AM Engineered Antigen-specific Regulatory T Cells (Tregs) to Treat Autoimmune Diseases
Joshua Ooi, PhD, Monash University

11:00 AM Antibody Reactome Profiling via Programmable Molecular Display Technology
Ben Larman, PhD, Johns Hopkins University

Keynote Address

11:45 AM – 12:30 PM
 Immunological Control of Host Physiology
Yasmine Belkaid, PhD, Institut Pasteur

Industry and Partner Sessions

12:45 PM – 2:00 PM

12:45 PM Journal of Experimental Medicine – Meet the Editor
Lucie Van Emmenis, PhD, Academic Publishing at JEM

12:45 PM *Title and speakers to be announced*
NIH/NIAD

Thematic Symposia

2:00 PM – 3:45 PM

Alloreactivity from Transplant to Maternal-fetal Interface

2:00 PM Leveraging Tolerance Mechanisms of Pregnancy for Transplantation Tolerance
Anita Chong, PhD, University of Chicago

Abstract Use of Engineered CAR-Treg Cells to Induce Immune Tolerance in Liver Transplantation – Insights from the LIBERATE Clinical Trial
Marc Martinez-Llordella, PhD, Quell Therapeutics

2:40 PM Measuring the Impact of Regulatory T Cell Therapy in Transplantation
Fadi Issa, MD, MScDM, JBEM, FFSEM, FIBODM, Oxford University

Abstract Shared and Distinct Placental Immune Dynamics Across Pregnancy Complications
Rachelly Normand, PhD, Massachusetts General Hospital, Harvard Medical School, Broad Institute



FOCIS 2025 Annual Meeting Preliminary Program

As of April 1, 2025

3:20 PM Innate Allorecognition and Reproductive Success

Fadi Lakkis, MD, University of Pittsburgh

Immuno-oncology

2:00 PM Type 2 Immunity May Hold Key to Long-term Cancer Remission

Li Tang, PhD, École Polytechnique Fédérale de Lausanne

Abstract Glycosylation-driven Programs Coordinate Immunoregulatory and Pro-angiogenic Functions of Myeloid Cells

Ada Blidner, Instituto de Biología y Medicina Experimental, CONICET

2:40 PM *Title to be announced*

Benjamin Izar, MD, PhD, Columbia University

Abstract Mapping T Cell Antitumor Responses in Whole Blood to Solid Tumor Tissue Biopsies of Cancer Patients Using Mass Cytometry

Christina Loh, PhD, Standard BioTools Canada Inc.

3:20 PM *Title to be announced*

Naomi Taylor, MD, PhD, NIH/NIAID

Ocular and Neuroinflammation

2:00 PM *Title to be announced*

Maria Lehtinen, PhD, Harvard University

Abstract Intraocular Differentiation of Effector B Cells in Uveitis

Lynn Hassman, MD, PhD, University of Colorado

2:40 PM Brain-Immune Interaction After Ischemic Stroke

Arthur Liesz, MD, Institute for Stroke and Dementia Research, LMU Munich

Abstract Genetic Variation of the Alzheimer's Disease Risk Gene CD33 Modifies Microglial Immunometabolism

Kirstin Tamucci, PhD, Columbia University

3:20 PM *Title to be announced*

Anoj Ilanges, PhD, Janelia Research Campus

3:45 PM FOCIS 2025 Annual Meeting adjourns



FOCIS 2025 Annual Meeting Preliminary Program

As of April 1, 2025

Register for the FOCIS 2025 Annual Meeting

FOCIS is **THE** meeting in translational immunology that will give you a competitive edge in your career. Stay ahead of the curve with leading clinicians and researchers delivering the latest breakthroughs across immune-mediated diseases. Focusing on molecular pathways and their implications in human disease provides a unique opportunity for innovative thinking and applying ideas from the pathologies of other diseases to uncover novel solutions to challenges in the diseases you study.

Through the FOCIS Annual Meeting, researchers and clinicians share knowledge across traditional disease borders and identify commonalities between treatments and therapies that are life-changing for those affected with immune-mediated diseases. From the introduction of monoclonal antibodies in clinical practice — to recent advances in cancer immunotherapy — the past two decades have been transformational for patients living with immune-mediated diseases.

Join us in Boston from June 24-27, 2025, at the Boston Marriott Copley Place for the FOCIS 2025 Annual Meeting.

FOCIS 2025 Annual Meeting Registration is open.

[Click here to register.](#)