

FOCIS 2024 Annual Meeting Preliminary Program

As of February 23, 2024

PROGRAM OVERVIEW

Includes 4 inspiring days of keynote presentations, 20+ plenary and thematic sessions, 6 oral/late-breaking abstract sessions, 9+ industry and partner presentations, 10+ Member Society Symposia, 350+ posters, nightly exhibitions, and networking events.



KEYNOTE SPEAKERS

 Robert Montgomery, MD, PhD NYU Langone Transplant Institute	 Megan Sykes, MD Columbia University	 Eran Elinav, MD, PhD Weizmann Institute of Science	 Aviv Regev, PhD Genentech
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The FOCIS 2024 Scientific Program Committee has assembled an outstanding program that reflects current issues and cutting-edge multi-disciplinary science all presented by leading clinicians and researchers in the field.

4 KEYNOTES

Robert Montgomery, MD, PhD,
NYU Langone Transplant Institute
Megan Sykes, MD,
Columbia University
Eran Elinav, MD, PhD,
Weizmann Institute of Science
Aviv Regev, PhD,
Genentech

6 PLENARY SESSIONS

Immunology in Reproductive Health
Mechanisms & Treatment of Autoimmunity
Neuroimmunology
Novel Pathways and Approaches in
Allergic Disease
Precision Therapeutics in
Mucosal Disorders
Somatic Mosaicism, Clonal Populations,
and Immune Disorders

9 THEMATIC SESSIONS

Behavioral Immunology
Cellular & Stem Cell Therapeutics
Host Defense and Vaccinology
Immune Responses to GT/Therapeutics
Immuno-oncology
Inborn Errors of Immunity
Metabolic Regulation of Inflammation
Organoid Modeling & Therapeutics
Systems Immunology & AI



FOCIS 2024 Annual Meeting Preliminary Program

As of February 23, 2024

Monday, June 17, 2024

Pre-Meeting FOCISed Courses (separate registration required)

8:00 AM – 4:30 PM

Systems Immunology Course

Program Chairs:

Emanuele de Rinaldis, PhD, Sanofi

Magnus Fontes, PhD, Roche

Tuesday, June 18, 2024

Pre-Meeting FOCISed Courses (separate registration required)

8:30 AM – 5:30 PM

Basic Immunology in Medicine Course

Program Chairs:

Abul Abbas, MD, University of California, San Francisco

Mark Anderson, MD, PhD, University of California, San Francisco

8:00 AM – 12:00 PM

Big Data in Immunology (ImmPort) Workshop

Faculty and agenda coming soon

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

8:00 AM – 11:30 AM

Canadian Society for Immunology

Crosstalk Between Stress and Immunity

American Society of Transplantation in Partnership with the American Society of Histocompatibility and Immunogenetics and The Transplantation Society

New Frontiers in B Cell/Antibody Responses

Society for Decoding Autoimmunity in Partnership with JDRF International, Lupus Research Alliance, and the National MS Society

Investigating Common Mechanisms of Autoimmunity



FOCIS 2024 Annual Meeting Preliminary Program

As of February 23, 2024

8:00 AM – 9:30 AM

Society for Mucosal Immunology

Immunity at the Intestinal Barrier

10:00 AM – 11:30 AM

European Academy of Allergy and Clinical Immunology in Partnership with the European Mast Cell and Basophil Research Network

Immune Responses at the Barrier Sites Through the Lenses of New Nomenclature of Allergy and Clinical Immunology

The Japanese Society of Clinical Immunology

Interaction Between Environmental Factors and Immune System in Immune-Mediated Diseases

Industry and Partner Lunch Programs

11:30 AM – 1:00 PM

Announced in March 2024

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

1:30 PM – 5:00 PM

APS1 Foundation in Partnership with NIAID and the Clinical Immunology Society

APS1 and Immune Tolerance: From Basic Biology to Clinical Translation

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

Association of Medical Laboratory Immunologists in Partnership with the American Society of Histocompatibility and Immunogenetics

Expanding and Unlocking the Tools of Immunotherapy to Improve Understanding and Treatment for Cancer, Autoimmune Disease, and Transplantation

1:30 PM – 3:00 PM

European Mast Cell and Basophil Research Network in Partnership with the European Academy of Allergy and Clinical Immunology

Advances in Mast Cell Research

3:30 PM – 5:00 PM

International Cytokine and Interferon Society

IL-9: From Birth to Breath



FOCIS 2024 Annual Meeting Preliminary Program

As of February 23, 2024

Asia Pacific Association for Allergy, Asthma & Clinical Immunology

The Environment, Air Pollution, Microbiome and Allergy and Vaccines in Transplant Patients

Opening Keynote Address

5:30 PM – 6:15 PM

Xenotransplantation

Robert Montgomery, MD, NYU Langone Transplant Institute

Opening Reception: Exhibits and Poster Reception (authors present)

6:15 PM – 7:30 PM

Wednesday, June 19, 2024

Plenary Sessions

8:00 AM – 9:30 AM

Novel Pathways and Approaches in Allergic Disease

8:00 AM Repurposing Approved Bruton's Tyrosine Kinase Inhibitors for the Prevention of Anaphylaxis

Melanie Dispenza, MD, PhD, Johns Hopkins Medicine

8:30 AM Computational Engineering of Major Allergens to Reduce Allergenicity and Maintain Immunogenicity Enables Safe and Effective Immunotherapy for Food Allergy

Yanay Ofran, PhD, Ukko, Inc.

9:00 AM Regulation of Allergic Responses to Food by Commensal Bacterial Products and Metabolites

Cathryn Nagler, PhD, University of Chicago

Morning Break

9:30 AM – 10:00 AM

Plenary Sessions

10:00 AM – 11:30 AM

Precision Therapeutics in Mucosal Disorders

10:00 AM Microbial Host Defense and Influence in Cancer

Florencia McAllister, MD, MD Anderson Cancer Center

10:30 AM Precision Therapeutics in Inflammatory Bowel Disease – Defining Disease Subtypes & Therapeutic Goals

Judy Cho, MD, Icahn School of Medicine at Mount Sinai

11:00 AM Title Announced in February 2024

Rima Rachid, MD, Boston Children's Hospital



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As of February 23, 2024

Industry and Partner Lunch Programs

11:30 AM – 1:00 PM

Announced in March 2024

Thematic Symposia

1:00 PM – 2:45 PM

Inborn Errors of Immunity

1:00 PM Human Cytosolic Double-stranded RNA Sensors and SARS-COV-2 Susceptibility

Helen Su, MD, PhD, National Institute of Allergy & Infectious Disease

Abstract Announced in April 2024

1:40 PM Gene Therapy for Wiskott-Aldrich Syndrome

Sung-Yun Pai, MD, National Cancer Institute

Abstract Announced in April 2024

2:20 PM Genetic Architecture of Inborn Errors of Immunity

Dusan Bogunovic, PhD, Icahn School of Medicine at Mount Sinai

Immune Responses to GT/Therapeutics

1:00 PM Human Immune Responses to Viral Gene Therapy Vectors

Federico Mingozi, PhD, Nava Therapeutics

Abstract Announced in April 2024

1:40 PM Preclinical and Clinical Development of Tolerogenic ImmTOR Nanoparticles to Mitigate Immunogenicity of Biologic and Gene Therapies

Kei Kishimoto, PhD, Selecta Biosciences

Abstract Announced in April 2024

2:20 PM Derivation of Clinically Relevant T-lymphocytes from Human iPSC

Gustavo Mostoslavsky, MD, PhD, Clade Therapeutics

Systems Immunology & AI

1:00 PM Conserved Spatial Programs of Immune Regulation in Human Health and Disease

Michael Angelo, MD, PhD, Stanford University

Abstract Announced in April 2024

1:40 PM Single-cell to Tissue – Scale Memory in the Nose

Jose Ordovas-Montanes, PhD, Harvard University

Abstract Announced in April 2024

2:20 PM T Cell Immunity in the Acute Myeloid Leukemia Bone Marrow

Susan De Wolf, MD, Memorial Sloan Kettering Cancer Center



FOCIS 2024 Annual Meeting Preliminary Program

As of February 23, 2024

Afternoon Break

2:45 PM – 3:15 PM

Oral Abstract Sessions

3:15 PM – 5:15 PM

Oral Abstract Session 1: [Announced in March 2024](#)

Oral Abstract Session 2: [Announced in March 2024](#)

Late-Breaking Abstract Session: [Announced in May 2024](#)

Flow Cytometry Course

3:15 PM – 5:15 PM

[Announced in March 2024](#)

Keynote Address – Robert B. Nussenblatt Presidential Lecture

5:30 PM – 6:15 PM

Human Auto-, Allo- and Xeno-reactive T Cell Repertoire Dynamics and Transcriptomics

[Megan Sykes, MD, Columbia University](#)

Exhibits and Poster Reception (authors present)

6:15 PM – 7:30 PM

FOCIS Member Reception (FOCIS members only)

7:30 PM – 8:30 PM

Thursday, June 20, 2024

Plenary Sessions

8:00 AM – 9:30 AM

Neuroimmunology

8:00 AM Interrogating Antigen-specific T Cell Responses in Neurodegenerative Disorders

[Wassim Elyaman, PhD, Columbia University](#)

8:30 AM Neuroimmunology – Autologous Cell Therapy for Parkinson's Disease: From Bench to Bed and From Bed to Bench

[Kwang-Soo Kim, PhD, Harvard University](#)

9:00 AM The Role of the Immune System in A-synucleinopathies

[Ashley Harms, PhD, University of Alabama at Birmingham](#)



FOCIS 2024 Annual Meeting Preliminary Program

As of February 23, 2024

Morning Break

9:30 AM – 10:00 AM

Immunology in Reproductive Health

10:00 AM – 11:30 AM

- 10:00 AM Title Announced in February 2024
Sing Sing Way, MD, PhD, University of Cincinnati
- 10:30 AM Immune Communication Between Mother and Fetus During Pregnancy and Its Long-Term Consequences
Ana Zenczussen, PhD, Helmholtz Centre for Environmental Research
- 11:00 AM The Unraveling of Microbial-immune Interactions in the Reproductive Track
Michal Elovitz, MD, Icahn School of Medicine at Mount Sinai

Industry and Partner Lunch Programs

11:30 AM – 1:00 PM

Announced in March 2024

Thematic Symposia

1:00 PM – 2:45 PM

Organoid Modeling & Therapeutics

- 1:00 PM Tonsil Organoids to Investigate Human Adaptive Immunity
Lisa Wagar, PhD, University of California - Irvine
- Abstract Announced in April 2024
- 1:40 PM Combinatory Differentiation of Human-induced Pluripotent Stem Cells Generates Thymic Epithelium that Supports Thymic Crosstalk and Directs Dendritic and CD4/CD8 T-cell Full Development
Matthieu Giraud, PhD, Nantes Université
- Abstract Announced in April 2024
- 2:20 PM Exploiting Artificial Thymic Organoids for the Modeling of Human FOXP3+ Regulatory T Cell Development
Ciriaco Piccirillo, PhD, McGill University

Cellular & Stem Cell Therapeutics

- 1:00 PM Protecting Transplanted Cells from Immune Rejection is the Key to Unlocking the Potential of Regenerative Medicine
Sonja Schrepfer, MD, PhD, Sana Biotechnology
- Abstract Announced in April 2024
- 1:40 PM TCR Engineered Tregs for Autoimmune Diseases
Devan Moodley, PhD, Abata Therapeutics
- Abstract Announced in April 2024



FOCIS 2024 Annual Meeting Preliminary Program

As of February 23, 2024

2:20 PM Engineering Regulatory T Cells for Tolerance
Megan Levings, PhD, University of British Columbia

Host Defense and Vaccinology

1:00 PM Systems Biological Analysis of the Mechanisms and Predictors of the Durability of Vaccine Responses
Bali Pulendran, PhD, Stanford University

Abstract Announced in April 2024

1:40 PM Human Antibody Response to SARS-CoV-1 and SARS-CoV-2
Linqi Zhang, PhD, Tsinghua University

Abstract Announced in April 2024

2:20 PM Title Announced in February 2024
Galit Alter, PhD, Moderna

Afternoon Break

2:45 PM – 3:15 PM

Oral Abstract Sessions

3:15 PM – 5:15 PM

Oral Abstract Session 1: **Announced in March 2024**

Oral Abstract Session 2: **Announced in March 2024**

Oral Abstract Session 3: **Announced in March 2024**

Flow Cytometry Course

3:15 PM – 5:15 PM

Announced in March 2024

State of FOCIS Address

5:30 PM – 5:45 PM

Megan Sykes, MD, Columbia University

Keynote Address

5:45 PM – 6:30 PM

Host Microbiome Interactions in Health and Disease

Eran Elinav, MD, PhD, Weizmann Institute of Science

Exhibits and Poster Reception (authors present)

6:30 PM – 7:45 PM



FOCIS 2024 Annual Meeting Preliminary Program

As of February 23, 2024

Friday, June 21, 2024

Plenary Sessions

8:00 AM – 9:30 AM

Somatic Mosaicism, Clonal Populations, and Immune Disorders

8:00 AM Somatic Mosaicism in Genetic Diseases of the Immune System

Megan Cooper, MD, PhD, Washington University

8:30 AM From Mosaics to Clones: Aligning Terminology in Genetic Variability

Monica Guzman, PhD, Weill Cornell Medicine

9:00 AM Mechanisms that Contribute Towards Female-Biased Autoimmunity: X-chromosome Inactivation

Montserrat Anguera, PhD, Penn Institute for Immunology

Morning Break

9:30 AM – 10:00 AM

Mechanisms & Treatment of Autoimmunity

10:00 AM – 11:30 AM

10:00 AM Enhancing Treg Therapy Through Cell Engineering

Qizhi Tang, PhD, University of California – San Francisco

10:30 AM APS-1/APECED: Mechanisms & Treatment of Autoimmunity

Michail Lionakis, MD, ScD, National Institute of Allergy & Infectious Disease

11:00 AM Title Announced in February 2024

Bana Jabri, MD, PhD, University of Chicago

Keynote Address

11:45 AM – 12:30 PM

Cell, Tissue and Perturbation Atlases as Roadmaps in Cancer

Aviv Regev, PhD, Genentech

Industry and Partner Lunch Programs

12:30 PM – 2:00 PM

Announced in March 2024

Thematic Symposia

2:00 PM – 3:45 PM



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As of February 23, 2024

Metabolic Regulation of Inflammation

- 2:00 PM An Immunometabolic Circuit Triggered by Dietary Chitin
Steve Van Dyken, PhD, Washington University in St. Louis
- Abstract Announced in April 2024
- 2:40 PM Integrating Systems Immunology with Metabolism and Cancer
Hongbo Chi, PhD, St. Jude's Research Hospital
- Abstract Announced in April 2024
- 3:20 PM Metabolic Regulation of Inflammation – Immunometabolism at the Crossroads Between Inflammation and Aging
Maria Mittelbrunn, PhD, Centro de Biología Molecular Severo Ochoa

Immuno-Oncology

- 2:00 PM Reprogramming the Tumor-immune Microenvironment by Targeting the Galectin-glycan Axis
Gabriel Rabinovich, PhD, University of Buenos Aires
- Abstract Announced in April 2024
- 2:40 PM GD2-CAR T-Cell Therapy for Diffuse Midline Gliomas
Michelle Monje, MD, PhD, Stanford University
- Abstract Announced in April 2024
- 3:20 PM Adipocyte-secreted Interleukin-9 Promotes B-Cell Acute Lymphoblastic Leukemia Progression
Curtis Henry, PhD, Emory University

Behavioral Immunology

- 2:00 PM Sickness Behaviors of Type 2 Immunity
Esther Borges Florsheim, PhD, Arizona State University
- Abstract Announced in April 2024
- 2:40 PM Unique Aspects of IFN- γ /STAT1 Signaling in Neurons
Anthony Filiano, PhD, Duke University
- Abstract Announced in April 2024
- 3:20 PM Sensory Neuron Regulation of Host Defense and Immunity
Isaac Chiu, PhD, Harvard University
- 3:45 PM FOCIS 2024 Annual Meeting adjourns



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Register for the FOCIS 2024 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 San Francisco June 18-21, 2024, at the San Francisco Marriott Marquis for the FOCIS 2024 Annual Meeting.

[Click Here to Register Now](#)