

June 18-21



ANNUAL MEETING  
*San Francisco*  
CALIFORNIA

SCIENTIFIC PROGRAM





## FOCIS 2024 Annual Meeting Preliminary Program

As of April 19, 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*

8:00 AM – 11:30 AM

#### 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*



## FOCIS 2024 Annual Meeting Preliminary Program

As of April 19, 2024

8:00 AM – 11:30 AM

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

*Investigating Common Mechanisms of Autoimmunity*

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*

1:30 PM – 3:00 PM

**The Japanese Society of Clinical Immunology**

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

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*

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

**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*





## FOCIS 2024 Annual Meeting Preliminary Program

As of April 19, 2024

3:30 PM – 5:00 PM

### International Cytokine and Interferon Society

*IL-9: From Birth to Breath*

3:30 PM – 5:00 PM

### 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**



## FOCIS 2024 Annual Meeting Preliminary Program

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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 Microbiome Therapies in Food Allergy  
**Rima Rachid, MD, Boston Children's Hospital**

### Industry and Partner Lunch Programs

11:30 AM – 1:00 PM

Announced in April 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**

1:25 PM STAT1 Gain-of-function Leads to Dysfunctional T Regulatory Cells  
**Martin Thelin, MD, PhD, University of California San Francisco**

1:40 PM Gene Therapy for Wiskott-Aldrich Syndrome  
**Sung-Yun Pai, MD, National Cancer Institute**

2:05 PM Human OTULIN Mutations Can Cause Distinct Inflammatory Disease Phenotypes Depending on the Protein Domain That Is Mutated  
**Hwi Gil, Vanderbilt University Medical Center**

2:20 PM Genetic Architecture of Inborn Errors of Immunity  
**Dusan Bogunovic, PhD, Columbia University**

### Immune Responses to GT/Therapeutics

1:00 PM Human Immune Responses to Viral Gene Therapy Vectors  
**Federico Mingozi, PhD, Nava Therapeutics**

1:25 PM PanTreg: A Cell-therapy, System-biology - Based Approach for Therapy of Autoimmunity  
**Salvatore Albani, MD, PhD, Translational Immunology Institute, SingHealth**

1:40 PM Preclinical and Clinical Development of Tolerogenic ImmTOR Nanoparticles to Mitigate Immunogenicity of Biologic and Gene Therapies  
**Kei Kishimoto, PhD, Selecta Biosciences**

2:05 PM CAR-Ts Are Getting Viral! A New Method for Allogenic CAR-T Cell Therapy Development  
**Mario Vazquez, IDIBAPS**

2:20 PM Derivation of Clinically Relevant T-lymphocytes from Human iPSC  
**Gustavo Mostoslavsky, MD, PhD, Boston Children's Hospital**



## FOCIS 2024 Annual Meeting Preliminary Program

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### Systems Immunology & AI

- 1:00 PM Conserved Spatial Programs of Immune Regulation in Human Health and Disease  
**Michael Angelo, MD, PhD, Stanford University**
- 1:25 PM Epigenetic Signature and Key Transcriptional Regulators of Human Antigen-inducible Regulatory T Cells  
**Alma-Martina Cepika, MD, PhD, Stanford University**
- 1:40 PM Single-cell to Tissue – Scale Memory in the Nose  
**Jose Ordovas-Montanes, PhD, Harvard University**
- 2:05 PM Unsupervised and Supervised Machine Learning Promotes Translational Research of Autoimmune Diseases  
**Martin Wasser, PhD, Translational Immunology Institute/Singhealth DukeNUS Academic Medical Centre**
- 2:20 PM T Cell Immunity in the Acute Myeloid Leukemia Bone Marrow  
**Susan De Wolf, MD, Memorial Sloan Kettering Cancer Center**

### Afternoon Break

2:45 PM – 3:15 PM

### Oral Abstract Sessions

3:15 PM – 5:15 PM

### Immunogenetics

- 3:15 PM Local Intestinal Eosinophilic Activation Triggered by Defective Epithelial TGF- $\beta$  Signaling Underlies IPO8 Deficiency  
**Marianna Parlato, PhD, Institut Imagine**
- 3:30 PM CLEC16A-driven Mitophagy Limits Astrocyte Proinflammatory Activities  
**Atsushi Kadowaki, MD, PhD, Osaka University**
- 3:45 PM Single-cell RNAseq Analysis of PBMCs of Three Cameroonian Populations Reveals Differences in Cell Type Distribution as Well as Differentially Expressed Genes  
**Etiena Basner Tschakarjan, MD, PhD, University of Pennsylvania**
- 4:00 PM Intra-clonal Diversity of Donor Specific B Cell IgH Is Associated with Pathogenic Allo-immunity  
**Marilia Cascalho, University of Michigan**
- 4:15 PM Oral Pathobionts Promote CRC Development by Alteration of the Host Epigenome and Immunomic Microenvironment  
**Shirin Eyvazi Khasraghi, MSc, PhD, Mayo Clinic**
- 4:30 PM Mechanistic Investigation of Human DPP9 Deficiency  
**Tianli Xiao, PhD, Yale University**
- 4:45 PM Abnormal STAT3 Signaling in Fibroblasts Promotes Staphylococcal Growth and Abnormal Tissue Response to Infection  
**Miao Chen, PhD, Columbia University**
- 5:00 PM Genome-Wide Autoimmune Genetic Variant Perturbations Connect Genetic Risk to Primary T Cell Expression And Function  
**John Ray, PhD, Benaroya Research Institute**



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### Autoimmunity and Transplantation

- 3:15 PM The Role of Recipient  $\gamma\delta$  T Cells in Graft Rejection After Human Intestinal Transplantation  
**Jianing Fu, PhD, Columbia University**
- 3:30 PM Inferring Disease Mechanisms in Lupus Nephritis: Lessons from the Accelerating Medicines Partnership (AMP) in SLE Consortium  
**Arnon Arazi, PhD, The Feinstein Institutes for Medical Research**
- 3:45 PM High Dimensional, Single Cell Analysis of Epstein Barr Virus (EBV)-Specific T Cells from Pediatric Transplant Recipients with EBV DNAemia or Controlled Infection  
**Edward Vizcarra, PhD, Stanford University**
- 4:00 PM Immunophenotypic Profiling Reveals Novel T Cell Subset Associated with “Tolerance” in Pediatric Transplant Recipients  
**Wenming Zhang, PhD, Stanford University**
- 4:15 PM Pharmacodynamic Demonstration of Immunological Tolerance Induced by KAN-101, a Novel Liver-Targeted Therapy for Celiac Disease  
**Kristie Grebe, PhD, Anokion**
- 4:30 PM Single Cell Analysis of CD8 T-cells Reveals Autoantigen Specific Signatures of Teplizumab Treatment in At Risk Subjects from the trialnet-10 Study  
**Hai Nguyen, PhD, Benaroya Research Institute**
- 4:45 PM BiTEing Multi-drug Resistant Rheumatoid Arthritis with CD19-T Cell Engagers  
**Richardo Grieshaber-Bouyer, Friedrich-Alexander-Universität Erlangen-Nürnberg and Universitätsklinikum Erlangen**
- 5:00 PM Donor-specific T Cell Activation and Expansion Following a Pig-to-human Decedent Kidney Transplant  
**Farshid Fathi, PhD, Columbia University**

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

### Flow Cytometry Course: Day 1

3:15 PM – 5:15 PM

Automation and Single-cell Omics Enhancements

**Chair: Holden Maecker, PhD, Stanford University**

### 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 2024 Annual Meeting Preliminary Program

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### FOCIS Member Reception (FOCIS members only)

7:30 PM – 8:30 PM

### Thursday, June 20, 2024

7:00 AM Working Towards Inclusion and Belonging at FOCIS and Beyond

**Chair: Monica L. Guzman, PhD, Weill Cornell Medicine**

**Yanet Valdez Tejeira, MSc., PhD, Mucosal Immunologist, Independent Consultant**

### 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, McLean Hospital/Harvard Medical School**

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

**Ashley Harms, PhD, University of Alabama at Birmingham**

### Morning Break

9:30 AM – 10:00 AM

### Immunology in Reproductive Health

10:00 AM – 11:30 AM

10:00 AM Immunology Learned from Mothers and Babies

**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 Zenclussen, 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

11:30 AM Partner Program: WICI/WIT Session

**Chair: Elaine Reed, PhD, University of California – Los Angeles**

11:30 AM Industry Tutorial: Alamar Biosciences





## FOCIS 2024 Annual Meeting Preliminary Program

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### 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**
- 1:25 PM Tissue-specific Sex Differences in Pediatric and Adult Immune Cell Composition and Function  
**Mahina Tabassum Mitul, MSc, University of California Irvine**
- 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**
- 2:05 PM Patient-derived Lung Cancer Organoids as 3D-testing Platform for Advanced Personalized Therapies  
**Martí Farrera-Sal, Berlin Institute of Health (BIH) at Charité - Universitätsmedizin Berlin, BIH Center for Regenerative Therapies**
- 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**
- 1:25 PM Type-2 Functionality in Sustaining CAR T Cell Longevity Linked to 8-Year Leukemia Remission  
**Zhiliang Bai, PhD, Yale University**
- 1:40 PM TCR Engineered Tregs for Autoimmune Diseases  
**Devan Moodley, PhD, Abata Therapeutics**
- 2:05 PM TCR Avidity Influences Signaling and Function of Engineered Treg  
**Soo Jung Yang, PhD, Benaroya Research Institute**
- 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**
- 1:25 PM SARS-CoV-2 Vaccination Provides Boosted Mucosal Protection in Previously Infected Young Children  
**Ying Tang, PhD, Boston Children's Hospital**
- 1:40 PM Human Antibody Response to SARS-CoV-1 and SARS-CoV-2  
**Linqi Zhang, PhD, Tsinghua University**
- 2:05 PM Sequential Phases of Follicular Helper T Cell Development and Their Impact on Humoral Immune Responses to Vaccination  
**Manuel A. Podestà, Fondazione IRCCS Ca' Granda Ospedale Policlinico, Brigham and Women's Hospital**



## FOCIS 2024 Annual Meeting Preliminary Program

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2:20 PM Dissecting Humoral Vaccine Correlates of Protection Across Respiratory Pathogens  
**Galit Alter, PhD, Moderna**

### Afternoon Break

2:45 PM – 3:15 PM

### Oral Abstract Sessions

3:15 PM – 5:15 PM

#### Immuno-oncology

- 3:15 PM Spatially Exploring RNA Biology in Archival Formalin-Fixed Paraffin-Embedded Tissues  
**Zhiliang Bai, PhD, Yale University**
- 3:30 PM Peripheral Blood as a Source to Identify Candidate Neoantigens and Reactive TCRs  
**Ricardo Pujol Borrell, PhD, Vall Hebron Oncology Institute and Universitat, Autònoma de Barcelona**
- 3:45 PM Helios Limits CD8 T Cell Antitumor Capacity  
**Rosa M. Rubio, Instituto Nacional de Ciencias Médicas, Nutrición Salvador Zubiran**
- 4:00 PM Secondary Inhibitory Signals on Human Kidney Microvascular Endothelium Confer Peripheral T Cell Tolerance: Insight From Checkpoint Inhibitor Toxicity  
**Kimberly Muczynski, MD, PhD, University of Washington**
- 4:15 PM CAR T-Cell therapy Targeting CD84 Alone or in Combination with CD19 for the Treatment of B-Cell Malignancies  
**Ane Altuna Mongelos, Fundació de Recerca Clínic Barcelona-Institut d'Investigacions Biomèdiques August Pi i Sunyer**
- 4:30 PM HIV-associated Lung Cancer Exhibits an Immunoregulatory Tumor Microenvironment  
**Brinda Emu, MD, Yale University**
- 4:45 pm Exclusion of PD-1 from the Immune Synapse: A Novel Strategy to Modulate T Cell Function  
**Matthieu Paiola, PhD, Columbia University**
- 5:00 pm TMEM176B Is a Druggable Intrinsic Driver of Protumoral Th17 Lymphocytes  
**Marcelo Hill, MD, PhD, Institut Pasteur de Montevideo**

#### Immunoengineering and Therapeutics

- 3:15 PM Tolerogenic IL-2 containing Nanoparticles Induce CD4 and CD8 Regulatory T cells and TGF- $\beta$  Producing Regulatory NK Cells that Provide Essential Support for the Tregs which Suppress Immune-Mediated Disorders  
**David A. Horwitz, MD, General Nanotherapeutics, LLC**
- 3:30 PM Rosnilimab, a PD-1 Agonist Antibody that Binds to a Membrane Proximal Epitope Leading to Optimized PD-1 Agonistic Signaling  
**Stephen Parmley, PhD, AnaptysBio**
- 3:45 PM IL-10 Producing Tolerogenic Dendritic Cells Modulate B Cell Responses in vitro and in vivo  
**Silvia Gregori, PhD, San Raffaele Telethon Institute for Gene Therapy**



## FOCIS 2024 Annual Meeting Preliminary Program

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- 4:00 PM Precision Therapy for Lupus: Targeting Follicular Helper T Cells Using Chimeric Antigen Receptor Natural Killer Cells  
**Nora Lakes, Cincinnati Children's Hospital**
- 4:15 PM T-Cell Receptor Precision Editing of Regulatory T-Cells for Celiac Disease  
**Raphael Porret, Lausanne University Hospital, University of Lausanne**
- 4:30 PM Regeneration of a Sustained Antiviral Response in Transplant Recipients by Tacrolimus Resistant Antiviral T-cell Products  
**Niklas Wiese, Berlin Center for Advanced Therapies, Charité-Universitätsmedizin Berlin**
- 4:45 PM Expanding Our Understanding of PDC-E2 T Cell Responses in PBC and Their Application for Eng Treg Therapy  
**Ritika Tewari, PhD, Benaroya Research Institute**
- 5:00 PM Gene-edited Allogeneic Regulatory T Cells as 'Off-the-shelf' Immunomodulatory Therapy for Transplantation  
**Dimitrios L. Wagner, MD, PhD, Charité - Universitätsmedizin Berlin**

### Immune Mechanisms

- 3:15 PM Induction of Tolerogenic Dendritic Cell Phenotype Through Natural Killer Cells  
**Ammar J. Alsheikh, MD, PhD, Abbvie**
- 3:30 PM Regulation and Dysregulation of Immune Responses by Human Skin Dendritic Cell Subset  
**Eynav Klechevsky, PhD, Washington University in St. Louis**
- 3:45 PM The Role of Recirculating Regulatory T Cells in Thymic Regeneration  
**Andri Leo Lemarquis, PhD, Memorial Sloan Kettering Cancer Center**
- 4:00 PM Single-cell Transcriptomes Reveal Unique CD8 T Cell Atlas Induced by Cytomegalovirus Viremia in Kidney Transplant Recipients  
**Yumeng (Angela) Sun, BS, University of California, Los Angeles**
- 4:15 PM Altered Intestinal Barrier and Immunoregulatory Gut-derived Metabolites Contribute to Acute Rejection in Renal Transplantation  
**Fernando Yuen Chang, MBChB, University College London**
- 4:30 PM Unraveling the Mechanistic Regulation of IL-2 Signaling in T Cells and Diseases  
**Suyasha Roy, PhD, National Institutes of Health**
- 4:45 PM Helios Regulates CD8 T Cell Activation in Response to TCR Affinity  
**Gerardo Suárez-Rojas, Universidad Nacional Autónoma de México**
- 5:00 PM Retinoic Acid Promotes Succinate-consuming Gut Bacteria to Suppress Intestinal Inflammation  
**Amit Awasthi, PhD, Translational Health Science and Technology Institute**

### Flow Cytometry Course: Day 2

3:15 PM – 5:15 PM

Label-free and Imaging Flow Cytometry

**Chair: Holden Maecker, PhD, Stanford University**



## FOCIS 2024 Annual Meeting Preliminary Program

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### State of FOCIS Address

5:30 PM – 5:45 PM

Megan Sykes, MD, Columbia University

### Keynote Address

5:45 PM – 6:30 PM

Title Announced in April 2024

**Bana Jabri, MD, PhD, University of Chicago**

### Exhibits and Poster Reception (authors present)

6:30 PM – 7:45 PM

## 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, University of Pennsylvania**

### Morning Break

9:30 AM – 10:00 AM

#### Mechanisms & Treatment of Autoimmunity

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 April 2024

**Howard Chang, MD, PhD, Stanford University School of Medicine**

### Keynote Address

11:45 AM – 12:30 PM





## FOCIS 2024 Annual Meeting Preliminary Program

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Cell, Tissue, and Perturbation Atlases as Roadmaps in Cancer

**Aviv Regev, PhD, Genentech**

### Industry and Partner Lunch Programs

12:30 PM – 2:00 PM

12:30 PM Partner Program: Journal of Experimental Medicine – Meet the Editor

**Shachi Bhatt, PhD, Journal of Experimental Medicine**

### Thematic Symposia

2:00 PM – 3:45 PM

#### Metabolic Regulation of Inflammation

2:00 PM An Immunometabolic Circuit Triggered by Dietary Chitin

**Steve Van Dyken, PhD, Washington University in St. Louis**

Abstract Human Tolerogenic Dendritic Cells Used in Clinic Regulate CD8+ T Cell Population

**Maaïke Suuring, PhD, CR2TI UMR1064**

2:40 PM Integrating Systems Immunology with Metabolism and Cancer

**Hongbo Chi, PhD, St. Jude's Research Hospital**

Abstract Skeletal Muscle DUPD1 Links Gut Inflammation with Obesity-associated Metabolic Diseases

**Alberto Martin, PhD, University of Toronto**

3:20 PM Metabolic Regulation of Inflammation – Immunometabolism at the Crossroads Between Inflammation and Aging

**Maria Mittelbrunn, PhD, Molecular Biology Center, CBM, CSIC**

#### Immuno-oncology

2:00 PM Reprogramming the Tumor-immune Microenvironment by Targeting the Galectin-glycan Axis

**Gabriel Rabinovich, PhD, Instituto de Biología y Medicina Experimental**

Abstract Pre-existing Skin-resident CD8 and  $\gamma\delta$  T Cell Circuits Mediate Immune Response in Merkel Cell Carcinoma and Predict Immunotherapy Efficacy

**Zachary Z. Reinstein, Northwestern University**

2:40 PM GD2-CAR T-Cell Therapy for Diffuse Midline Gliomas

**Michelle Monje, MD, PhD, Stanford University**

Abstract Aire-Expressing Tumor-Associated Macrophages Promote Cancer Immune Evasion

**Matthew Arvedson, University of California San Francisco**

3:20 PM Adipocyte-secreted Interleukin-9 Promotes B-Cell Acute Lymphoblastic Leukemia Progression

**Curtis Henry, PhD, University of Colorado Cancer Center/University of Colorado Anschutz Medical Campus**



## FOCIS 2024 Annual Meeting Preliminary Program

As of April 19, 2024

### Behavioral Immunology and Neuroimmunology

- 2:00 PM Sickness Behaviors of Type 2 Immunity  
**Esther Borges Florsheim, PhD, Arizona State University**
- Abstract Longitudinal Analysis of Immune Cell Changes in FUS-ALS Patients Treated with a FUS Antisense Oligonucleotide  
**Olivia M. Rifai, PhD, Columbia University**
- 2:40 PM Unique Aspects of IFN- $\gamma$ /STAT1 Signaling in Neurons  
**Anthony Filiano, PhD, Duke University**
- Abstract Greater Composite Confirmed Disability Progression in Non-Hispanic Black and Hispanic or Latino Individuals with Relapsing Multiple Sclerosis: Analysis of Self-Reported Identity and Genetic Ancestry in the OPERA I and II Trials  
**Xiaoming Jia, MD Meng, Genentech**
- 3:20 PM Sensory Neuron Regulation of Host Defense and Immunity  
**Isaac Chiu, PhD, Harvard University**
- 3:45 PM FOCIS 2024 Annual Meeting adjourns

### 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](#)