



THIRD ANNUAL BRI IMMUNOLOGY SYMPOSIUM

New Horizons in Immunity and Disease

MORNING AGENDA

8:15 **Doors Open: Coffee, Snacks, Vendor Booths**

8:45 **Welcome: Jane Buckner, MD, BRI President**

9:00 **Evolutionary Transfer Learning of Mammalian Gene Regulation**

KEYNOTE #1

Jay Shendure, MD, PhD

Investigator, Howard Hughes Medical Institute
Professor of Genome Sciences, University of Washington
Scientific Director, Brotman Baty Institute for Precision Medicine
Scientific Director, Seattle Hub for Synthetic Biology (Allen-CZI-UW)

9:50 **Altered Mucosal Immune Responses to
Respiratory Viruses in Rheumatoid Arthritis**

Carmen Mikacenic, MD

Associate Director, Associate Member, Center for Translational Immunology,
Benaroya Research Institute

10:20 **Break, Visit Vendor Booths**

10:40 **Engineering T Regulatory Cells for Therapeutic Application**

David Rawlings, MD

Director, Center for Immunity & Immunotherapies, Seattle Children's Research Institute
Chief, Division of Immunology, Seattle Children's Hospital
Professor of Pediatrics and Immunology, University of Washington School of Medicine

11:10 **Decoding Healthy Human Immunity Across Age Through Multi Omic Profiling**

Claire Gustafson, PhD

Assistant Investigator, Experimental Immunology, Allen Institute of Immunology

11:40 **Spatial Remodeling of Transcriptionally Distinct Stromal Niches is Uncoupled
from Overt Skin Pathology in Systemic Sclerosis**

Peter Morawski, PhD

Research Assistant Member, Center for Fundamental Immunology, Benaroya Research Institute

12:10 **Core Laboratories at BRI**

Amir Figueroa

Director, BRI Immunology Shared Resources

12:20 **Lunch**

AFTERNOON AGENDA

1:10 Mapping Immune Heterogeneity to Understand Health and Disease

Cate Speake, PhD

Associate Member, Director, Center for Interventional Immunology,
Benaroya Research Institute

1:40 Spatial Niches and Lymphatic Networks: How Information Gradients Shape the Immune Response

Michael Gerner, PhD

Associate Professor, Department of Immunology, University of Washington

2:10 Integrating Genetics and Single-cell Genomics to Define Causal Mechanisms of Common and Rare Autoimmune Diseases

Saori Sakaue, MD, PhD

Assistant Professor, Department of Genome Sciences, University of Washington

2:40 Break, Visit Vendor Booths

3:10 Memory Pathogenic T Cells in Central Nervous System Autoimmunity

Estelle Bettelli, PhD

Member, Center for Fundamental Immunology, Benaroya Research Institute

3:40 Taking T cells Where Natural Evolution Hasn't Gone – Toward Sustained Function in the TME

KEYNOTE #2

Phil Greenberg, MD

Professor of Immunology and Medicine/Oncology, University of Washington

Head, Program in Immunology

Investigator, Parker Institute for Cancer Immunotherapy

Rona Jaffee Foundation Endowed Chair

Fred Hutchinson Cancer Center

4:30 Join us for a reception — connect, mingle, and continue the conversation

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for their support of this symposium**



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Thank you for joining us today!



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