



2023 ADVANCED COURSE IN IMMUNOLOGY

July 23–28, 2023 | The Westin Copley Place | Boston, Massachusetts

Director: Wayne M. Yokoyama, M.D., DFAAI

Washington University School of Medicine

Don't miss the premier course in immunology for research scientists!

This intensive course is directed toward advanced trainees and scientists who wish to expand or update their understanding of the field. World-renowned immunologists will present recent advances in the biology of the immune system and address its role in health and disease.

This is not an introductory course; attendees will need to have a firm understanding of the basic principles of immunology and laboratory techniques.

Faculty

Ulrich H. von Andrian, *Harvard Medical School; Ragon Institute of MGH, MIT, and Harvard*
Anatomy of the Immune Response

Jonathan C. Kagan, *Boston Children's Hospital, Harvard Medical School*
Innate Immunity: Pattern Recognition and Anti-microbial Mechanisms

Susan Carpenter, *University of California, Santa Cruz*
Innate Immunity: Gene Regulation

Wayne M. Yokoyama, *Washington University School of Medicine*
NK Cells—Their Receptors and Function in Health and Disease

Keith B. Elkon, *University of Washington*
Innate Immune Signaling: Nucleic Acid Sensors

Claudia Jakubzick, *Geisel School of Medicine at Dartmouth*
Myeloid Cells in Immune Responses

Stephanie Eisenbarth, *Northwestern University Feinberg School of Medicine*
Dendritic Cells

Eugene M. Oltz, *The Ohio State University, Wexner School of Medicine*
The Generation and Modification of Lymphocyte Antigen Receptor Genes

Michael P. Cancro, *University of Pennsylvania Perelman School of Medicine*
B Cell Development

Avery August, *Cornell University*
T Cell Development

Kai W. Wucherpfennig, *Dana-Farber Cancer Institute, Harvard Medical School*
MHC-restricted Antigen Presentation to T Cells

Lawrence P. Kane, *University of Pittsburgh*
Signaling from Antigen Receptors

Stephen Jameson, *University of Minnesota Medical School*
T Cell Memory

Deepta Bhattacharya, *University of Arizona*
B Cell Memory

Cathryn Nagler, *University of Chicago*
Effect of the Microbiome on Immunity

Sara Cherry, *University of Pennsylvania Perelman School of Medicine*
Immune Response to Viruses

Julie Zikherman, *University of California, San Francisco, School of Medicine*
B Cell Tolerance and Autoimmunity

Mark S. Anderson, *University of California, San Francisco, School of Medicine*
T Cell Tolerance and Autoimmunity

Francisco J. Quintana, *Brigham and Women's Hospital, Harvard Medical School*
Neuroimmunology

Robert D. Schreiber, *Washington University School of Medicine*
Tumor Immunology

Darrell J. Irvine, *Massachusetts Institute of Technology*
Engineering and Modulating the Immune Response

Joanne L. Viney, *Seismic Therapeutics*
Immunotherapeutics

Megan A. Cooper, *Washington University School of Medicine*
Redefining Human Immunology

Galit Alter, *Ragon Institute of MGH, MIT, and Harvard*
Vaccines

For complete course details and registration, visit www.aai.org/AdvancedCourse.

For assistance, contact (301) 634-7178 or meetings@aai.org.