

THE AMERICAN ASSOCIATION OF
IMMUNOLOGISTS



AAI ADVANCED COURSE IN IMMUNOLOGY
JULY 23 – 28, 2023
WESTIN COPLEY PLACE
BOSTON, MA

PROGRAM

Course Director: **Wayne M. Yokoyama, M.D.**
Washington University School of Medicine

SUNDAY, JULY 23

11:00 AM – 1:00 PM
Registration

4:50 PM – 5:20 PM
Breakout Sessions with Faculty

1:00 PM – 1:20 PM
Mary T. Litzinger, AAI, and **Wayne M. Yokoyama**, Washington University School of Medicine
Welcome and Overview of the Course

4:50 PM – 6:00 PM
Networking Reception

1:20 PM – 3:00 PM
Ulrich H. von Andrian, Harvard Medical School, Ragon Institute of MGH, MIT and Harvard
Anatomy of the Immune Response

3:00 PM – 3:20 PM
Break and Discussion with Faculty

3:20 PM – 4:50 PM
Jonathan C. Kagan, Boston Children's Hospital, Harvard Medical School
Innate Immunity: Pattern Recognition and Anti-microbial Mechanisms

Please silence
your cell phone!

Photography and/or recording
of any kind
are prohibited.

MONDAY, JULY 24

8:00 AM – 9:30 AM

Stephanie Eisenbarth, Northwestern University Feinberg School of Medicine
Dendritic Cells

9:30 AM – 9:50 AM

Break and Discussion with Faculty

9:50 AM – 11:20 AM

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

11:20 AM – 11:50 AM

Breakout Sessions with Faculty

11:50 AM – 12:50 PM

Lunch Break (on your own)

12:50 PM – 2:20 PM

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

2:20 PM – 2:40 PM

Break and Discussion with Faculty

2:40 PM – 4:10 PM

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

4:10 PM – 4:30 PM

Break and Discussion with Faculty

4:30 PM – 6:00 PM

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

6:00 PM – 6:30 PM

Breakout Sessions with Faculty

TUESDAY, JULY 25

8:00 AM – 9:30 AM

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

9:30 AM – 9:50 AM

Break and Discussion with Faculty

9:50 AM – 11:20 AM

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

11:20 AM – 11:50 AM

Breakout Sessions with Faculty

11:50 AM – 12:50 PM

Lunch Break (on your own)

12:50 PM – 2:20 PM

Avery August, Cornell University
T Cell Development

2:20 PM – 2:40 PM

Break and Discussion with Faculty

2:40 PM – 4:10 PM

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

4:10 PM – 4:30 PM

Break and Discussion with Faculty

4:30 PM – 6:00 PM

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

6:00 PM – 6:30 PM

Breakout Sessions with Faculty

WEDNESDAY, JULY 26

8:00 AM – 9:30 AM

Deepa Bhattacharya, University of Arizona
B Cell Memory

9:30 AM – 9:50 AM

Break and Discussion with Faculty

9:50 AM – 11:20 AM

Stephen Jameson, University of Minnesota Medical School
T Cell Memory

11:20 AM – 11:50 AM

Breakout Sessions with Faculty

11:50 AM – 12:50 PM

Lunch Break (on your own)

12:50 PM – 2:20 PM

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

2:20 PM – 2:40 PM

Break and Discussion with Faculty

2:40 PM – 4:10 PM

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

4:10 PM – 4:40 PM

Breakout Sessions with Faculty

THURSDAY, JULY 27

8:00 AM – 9:30 AM

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

9:30 AM – 9:50 AM

Break and Discussion with Faculty

9:50 AM – 11:20 AM

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

11:20 AM – 11:50 AM

Breakout Sessions with Faculty

11:50 AM – 12:50 PM

Lunch Break (on your own)

12:50 PM – 2:20 PM

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

2:20 PM – 2:40 PM

Break and Discussion with Faculty

2:40 PM – 4:10 PM

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

4:10 PM – 4:30 PM

Break and Discussion with Faculty

4:30 PM – 6:00 PM

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

6:00 PM – 6:30 PM

Breakout Sessions with Faculty

FRIDAY, JULY 28

8:00 AM – 9:30 AM

Joanne L. Viney, Seismic Therapeutics
Immunotherapeutics

9:30 AM – 9:50 AM

Break and Discussion with Faculty

9:50 AM – 11:20 AM

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

11:20 AM – 11:40 AM

Rest Break and Discussion with Faculty

11:40 AM – 1:10 PM

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

1:10 PM – 1:40 PM

Breakout Sessions with Faculty