



**AAI ADVANCED COURSE IN IMMUNOLOGY
JULY 28 – AUGUST 2, 2024
WESTIN COPLEY PLACE
BOSTON, MA**

PROGRAM

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

SUNDAY, JULY 28

11:00 AM – 1:00 PM
Registration

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

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
Wayne M. Yokoyama, Washington University School of Medicine
Innate Immunity and NK Cell Responses to Pathogens and Tumors

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

4:50 PM – 6:00 PM
Networking Reception

Please silence
your cell phone!

Photography and/or recording
of any kind
are prohibited.

MONDAY, JULY 29

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

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

2:20 PM – 2:40 PM

Break and Discussion with Faculty

2:40 PM – 4:10 PM

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

4:10 PM – 4:40 PM

Breakout Sessions with Faculty

TUESDAY, JULY 30

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 31

8:00 AM – 9:30 AM

Deepta 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, AUGUST 1

8:00 AM – 9:30 AM

Tajie H. Harris, University of Virginia
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

Nathan Singh, Washington University School of Medicine
Engineering CAR T Cells

6:00 PM – 6:30 PM

Breakout Sessions with Faculty

FRIDAY, AUGUST 2

8:00 AM – 9:30 AM

Kevin Otipoby, Seismic Therapeutics
Immunotherapeutics

9:30 AM – 9:50 AM

Break and Discussion with Faculty

9:50 AM – 11:20 AM

Helen C. Su, NIAID, NIH
Redefining Human Immunology

11:20 AM – 11:40 AM

Rest Break and Discussion with Faculty

11:40 AM – 1:10 PM

Galit Alter, Moderna
Vaccines

1:10 PM – 1:40 PM

Breakout Sessions with Faculty