2016 Introductory Course in Immunology

July 9–14, 2016 • Long Beach Convention Center, Long Beach, California
Director: Juan Carlos Zuñiga-Pflücker, Ph.D.
University of Toronto and Sunnybrook Research Institute

Don’t miss the most comprehensive introduction to immunology available!
This intensive two-part course, taught by world-renowned immunologists, provides a comprehensive overview of the basics of immunology. This course is for students new to the discipline or those seeking more information to complement general biology or science training. Part I (July 9–11) is a detailed introduction to the basic principles of immunology and is suitable for students with a general biology background. Part II (July 12–14) is a clinically oriented lecture series focusing on specialty areas.

Parts I and II may be taken independently at the discretion of the student.

Faculty

Juan Carlos Zuñiga-Pflücker, University of Toronto and Sunnybrook Research Institute
Introduction to the Immune System

Lewis L. Lanier, University of California, San Francisco
Innate Immunity: Introduction to the Cells

Deborah A. Fraser, California State University Long Beach
Complement

Helen S. Goodridge, Cedars-Sinai Medical Center
Innate Immunity: Introduction to Pattern Recognition and Intracellular Signaling

Wendy L. Havran, The Scripps Research Institute
Introduction to Adaptive Immunity

Nilabh Shastri, University of California, Berkeley
Antigen Processing and Presentation

Juan Carlos Zuñiga-Pflücker, University of Toronto and Sunnybrook Research Institute
MHC Restriction and Thymic Selection

David Nemazee, The Scripps Research Institute
B Cell Development and Maturation

Shannon J. Turley, Genentech, Inc.
Dendritic Cells: The Bridge Between Innate and Adaptive Immunity

Michael Croft, La Jolla Institute for Allergy and Immunology
Effector T Cell Differentiation and Response

Shane Crotty, La Jolla Institute for Allergy and Immunology
B Cell Activation and Humoral Immunity

Arthur Weiss, University of California, San Francisco
Signaling in the Immune System

Wenjun Ouyang, Angen
Cytokines

Stephen M. Hedrick, University of California, San Diego
Host-Pathogen Co-evolution in Human Beings: the Red Queen and the Grim Reaper

David C. Parker, Oregon Health and Science University
T and B Cell Tolerance

Matthias G. von Herrath, La Jolla Institute for Allergy and Immunology
Autoimmunity

Olivia M. Martinez, Stanford University School of Medicine
Transplantation

Peter B. Ernst, University of California, San Diego
Mucosal Immunology

Marion Pepper, University of Washington
Type 2 Immunity

Linda A. Sherman, The Scripps Research Institute
Tumor Immunology

Robert L. Modlin, University of California, Los Angeles
Immunology to Bacterial Pathogens

Steven M. Varga, University of Iowa
Immunology to Viruses

Martin Prlic, Fred Hutchinson Cancer Research Center
Immunologic Memory

Nicole Frahm, Fred Hutchinson Cancer Research Center
Vaccination

Jennifer M. Puck, University of California, San Francisco
Genetic Approaches to Immune-Mediated Diseases

Andrew C. Chan, Genentech, Inc.
Bench to Bedside to Bench: Current Issues in Immunology

For complete course details and registration, visit: www.aai.org/Education/Courses

For assistance, contact (301) 634-7178 or meetings@aai.org. Overseas applicants are advised to apply early for visas; for details, visit www.aai.org/Education/Courses/Visa.html.
2016 Advanced Course in Immunology
July 31–August 5, 2016 • Seaport World Trade Center, Boston, Massachusetts
Director: Ulrich H. von Andrian, M.D., Ph.D.
Harvard Medical School and Ragon Institute at MGH, MIT and Harvard

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. Leading experts 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 principles of immunology.

Faculty

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

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

Bruce Horwitz, Brigham & Women’s Hospital, Harvard Medical School
Innate Immunity: Gene Regulation

Albert S. Bendelac, University of Chicago
Innate Immunity: Cellular Mechanisms

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

Michael C. Carroll, Immune Disease Institute
Harvard Medical School
Molecular and Cellular Mediators of Inflammation

Brian T. Edelson, Washington University School of Medicine
Dendritic Cells

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

Kay L. Medina, Mayo Clinic
B Cell Development

Avinash Bhandoola, NCI, NIH
T Cell Development

Kenneth L. Rock, University of Massachusetts Medical School
MHC-Restricted Antigen Presentation to T Cells

Leslie J. Berg, University of Massachusetts Medical School
Signaling from Antigen Receptors

Stephen C. Jameson, University of Minnesota Center for Immunology
T Cell Memory

Patrick C. Wilson, University of Chicago
B Cell Memory

Arup K. Chakraborty, Massachusetts Institute of Technology
Computational Modeling of Immunological Processes

Brian A. Cobb, Case Western Reserve University
School of Medicine
Glycoimmunology

Richard S. Blumberg, Brigham & Women’s Hospital, Harvard Medical School
Mucosal Immunity

Joel D. Ernst, New York University School of Medicine
Immune Response to Pathogens

Jennifer Anolik, University of Rochester Medical Center
B Cell Tolerance and Autoimmunity

Vijay K. Kuchroo, Brigham & Women’s Hospital, Harvard Medical School
T Cell Tolerance and Autoimmunity

Kevin J. Tracey, Feinstein Institute for Medical Research
Neuroimmunology

Lisa H. Butterfield, University of Pittsburgh
Tumor Immunology

Dania Rabah, Biogen Idec
Immunotherapeutics

Dennis W. Metzger, Albany Medical College
Vaccines

For complete course details and registration, visit: www.aai.org/Education/Courses
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The CAB is a referral service to match early faculty who submit requests for guidance on specific career issues with more senior PIs having experience and insight in those areas, excluding members of your own faculty. You may also specify individuals not to be contacted on your behalf.

**Eligibility:** Although the CAB is sponsored by the Committee on the Status of Women, it is open to all early-faculty AAI members, both men and women.

**Advisors:** A pool of senior scientists—men and women—are volunteering to be “on call.” Topics include recruiting, handling personnel issues, timing for first grant submissions, building networks, teaching, balancing family and work, serving on NIH study sections, and more.

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