2015 Introductory Course in Immunology
July 14–19, 2015 • 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 14–16) is a detailed introduction to the basic principles of immunology and is suitable for students with a general biology background. Part II (July 17–19) 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

Andrea J. Tenner, University of California, Irvine
Complement

Jessica A. Hamerman, Benaroya Research Institute
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

Stephen M. Hedrick, University of California, San Diego
Immune Homeostasis in Infection and Disease

Ninan Abraham, University of British Columbia
Cytokines

Megan K. Levings, University of British Columbia
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

Steven F. Ziegler, Benaroya Research Institute
Type 2 Immunity

Linda A. Sherman, The Scripps Research Institute
Tumor Immunology

Robert L. Modlin, University of California, Los Angeles
David Geffen School of Medicine
Immunity to Bacterial Pathogens

Steven M. Varga, University of Iowa
Immunity to Viruses

Michael J. Bevan, University of Washington
Immunologic Memory

Nicole Frahm, Fred Hutchinson Cancer Research Center
Vaccination

Donald B. Kohn, University of California, Los Angeles
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.
2015 Advanced Course in Immunology
August 2–7, 2015 • Seaport World Trade Center, Boston, Massachusetts
Director: Leslie J. Berg, Ph.D.
University of Massachusetts Medical School

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

Marc K. Jenkins, Center for Immunology
University of Minnesota Medical School
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

Joshy Jacob, Emory University School of Medicine
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

David Hafler, Yale School of Medicine
T Cell Tolerance and Autoimmunity

Lisa H. Butterfield, University of Pittsburgh
Tumor Immunology

Joanne L. Viney, Biogen Idec
Immunotherapeutics

Also included will be lectures on:

T Cell Memory and Vaccines

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