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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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Important Dates for Two AAI Awards Programs

AAI Programs to Benefit Your Lab's Current or Future Research

AAI Careers in Immunology Fellowship

KEY DATES	APPLICATIONS OPEN	APPLICATIONS CLOSE
	JANUARY 15	MARCH 16

These fellowships provide AAI member PIs with one year of salary support for a graduate student or postdoctoral fellow in their labs. Member PIs in good standing with less than \$250,000 (excluding PI's salary) in annual direct costs are eligible to apply.

Selection is based on the potential of the trainee, merit of the project, quality of the training environment, and financial need.

Direct inquiries to fellowships@aai.org.

AAI Travel for Techniques Award Program

AWARDS CYCLE	APPLICATIONS OPEN	APPLICATIONS CLOSE
WINTER	DECEMBER 15	FEBRUARY 15
SPRING	APRIL 15	JUNE 15
FALL	AUGUST 15	OCTOBER 15

The Travel for Techniques Award is given to member PIs, reimbursing up to \$1,500 in expenses for travel to learn a new technique. Member PIs in good standing with less than \$250,000 (excluding PI's salary) in annual direct costs are eligible to apply.

Direct inquiries to tft@aai.org.

These two exciting awards programs were launched by the American Association of Immunologists in 2014, adding significantly to its already robust support for scientists through fellowships, career awards, and travel grants. For more information, visit www.aai.org/awards.