





# 2014 Introductory Course in Immunology

July 12–17, 2014 • 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 12–14)** is a detailed introduction to the basic principles of immunology and is suitable for students with a general biology background. **Part II (July 15–17)** 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*

**Gregory M. Barton**, *University of California, Berkeley*  
*Innate Immunity: Introduction to Pattern Recognition and Intracellular Signaling*

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

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

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

**A. Karolina Palucka**, *Baylor Institute for Immunology Research*  
*Dendritic Cells: The Bridge Between Innate and Adaptive Immunity*

**Michael G. McHeyzer-Williams**, *The Scripps Research Institute*  
*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*

**Alessandro Sette**, *La Jolla Institute for Allergy and Immunology*  
*Putting the Pieces Back Together: Epitopes, Cell Responses, and Diseases*

**Ninan Abraham**, *University of British Columbia*  
*Cytokines*

**Megan K. Levings**, *University of British Columbia*  
*T and B Cell Tolerance*

**Linda A. Sherman**, *The Scripps Research Institute*  
*Tumor Immunology*

**Olivia M. Martinez**, *Stanford University School of Medicine*  
*Transplantation*

**Hilde Cheroutre**, *La Jolla Institute for Allergy and Immunology*  
*Mucosal Immunology*

**Steven F. Ziegler**, *Benaroya Research Institute*  
*Type 2 Immunity*

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

**Elina Zuniga**, *University of California, San Diego*  
*Immunity to Viruses*

**Jeffrey A. Bluestone**, *University of California San Francisco*  
*Autoimmunity*

**Stephen P. Schoenberger**, *La Jolla Institute for Allergy and Immunology*  
*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](http://www.aai.org/Education/Courses)

For assistance, contact (301) 634-7178 or [meetings@aai.org](mailto:meetings@aai.org). Overseas applicants are advised to apply early for visas; for details, visit [www.aai.org/Education/Courses/Visa.html](http://www.aai.org/Education/Courses/Visa.html). Financial support for underrepresented minority scientists is available through the FASEB MARC Program; for details, visit [www.faseb.org/MARC](http://www.faseb.org/MARC).



# 2014 Advanced Course in Immunology

July 27–August 1, 2014 • 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*

**Katherine A. Fitzgerald**, *University of  
Massachusetts 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*

**Elizabeth J. Kovacs**, *Loyola University Chicago  
Health Sciences Campus  
Molecular and Cellular Mediators of Inflammation*

**Shannon J. Turley**, *Dana Farber Cancer Institute  
Harvard Medical School  
Dendritic Cells*

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

**Shiv Pillai**, *Massachusetts General Hospital Cancer  
Center, Harvard Medical School  
B Cell Development*

**Avinash Bhandoola**, *University of Pennsylvania  
Perelman School of Medicine  
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*

**Susan M. Kaech**, *Yale School of Medicine  
Lymphocyte Memory*

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

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

**Joanne L. Flynn**, *University of Pittsburgh School  
of Medicine  
Immune Response to Pathogens*

**Ann Marshak-Rothstein**, *University of Massachusetts  
Medical School  
B Cell Tolerance and Autoimmunity*

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

**Catherine J. Wu**, *Dana Farber Cancer Institute  
Harvard Medical School  
Tumor Immunology*

**Joanne L. Viney**, *Biogen Idec  
Immunotherapeutics*

**Dennis W. Metzger**, *Albany Medical College  
Vaccines*

For complete course details and registration, visit: [www.aai.org/Education/Courses](http://www.aai.org/Education/Courses)

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