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

James R. Carlyle, University of Toronto and Sunnybrook Research Institute
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
Immunology to Bacterial Pathogens

Steven M. Varga, University of Iowa
Immunology 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.
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](http://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](http://www.aai.org/Education/Courses/Visa.html).
Your membership in the American Association of Immunologists helps advance the field—and your career.

Being a part of AAI enables you to take an active role in helping to shape the future of immunology and attain your professional goals. You’ll stand with members representing immunological research concerns on Capitol Hill. Plus, you gain access to:

• The best and brightest minds today.
• The world’s largest annual all-immunology meeting.
• *The Journal of Immunology*, the pre-eminent peer-reviewed journal in the field.
• Many occasions and opportunities to present your research.
• Awards/fellowships/grants to support talented scientists in every career stage.

To learn more about how your professional life is enriched by membership in AAI, call 301.634.7195 or visit www.aai.org today.

You have the power.
Future AAI Annual Meetings
Mark Your Calendar for the Premier Annual Immunology Event!

2016
IMMUNOLOGY 2016™
May 13–17
Seattle, Washington

2017
IMMUNOLOGY 2017™
May 12–16
Washington, D.C.

2018
IMMUNOLOGY 2018™
May 4–8
Austin, Texas
The American Association of Immunologists thanks the following sponsors for their generous support of IMMUNOLOGY 2015™

AAI Annual Meeting | May 8–12, 2015 | New Orleans, Louisiana

Thank you to our Premier Sponsors

PLATINUM SPONSORS

BioLegend®

IMMUNOLOGY 2015™ Gala
Service Appreciation Reception
Lefrançois-BioLegend Memorial Award
AAI-BioLegend Herzenberg Award
Meeting Lanyards

affymetrix eBioscience

Opening Night Welcome Reception
Chambers-eBioscience Memorial Award
Lustgarten-eBioscience Memorial Award
Meeting Bags
Program Support

GOLD SPONSOR

FASEB

Federation of American Societies for Experimental Biology

MARC: Maximizing Access to Research Careers
AAI Underrepresented Scientist Travel Awards
Support for AAI Vanguard Lecture
Program Support

BD

Thermo Fisher Scientific

AAI-BD Biosciences
Investigator Award
AAI Early Career Faculty Travel Grants
AAI Trainee Abstract Awards
AAI Laboratory Travel Grants

SILVER SPONSORS

STEMCELL™

Program Support

SUSTAINING SPONSOR

Program Support

Major Symposium E and Major Symposium G

SONY

DARTMOUTH JOURNAL SERVICES

Lead Sponsor of Mobile App
The JI Editorial Board Dinner and Meeting

GENENTECH

A Member of the Roche Group
General Meeting Support

ESSEN BioScience

Program Support

BioXCell

SUPPORTING SPONSORS

CONTRIBUTING SPONSORS

SONY

DARTMOUTH JOURNAL SERVICES

Lead Sponsor of Mobile App
The JI Editorial Board Dinner and Meeting

GENENTECH

A Member of the Roche Group
General Meeting Support

ESSEN BioScience

Program Support

BioXCell

OTHER SUPPORT

ONY

CONTRIBUTING SPONSORS

SONY

DARTMOUTH JOURNAL SERVICES

Lead Sponsor of Mobile App
The JI Editorial Board Dinner and Meeting

GENENTECH

A Member of the Roche Group
General Meeting Support

ESSEN BioScience

Program Support

BioXCell

OTHER SUPPORT

ONY
The Proud History of AAI

Chronicling the AAI Legacy. AAI staff historians and scientists are rigorously researching, archiving, and publishing materials to preserve the proud heritage of the association. Articles posted in the history section of the AAI website, www.aai.org/about/history, include:

- The Founding of AAI
- The Science at the First AAI Annual Meeting
- The Founding of The Journal of Immunology
- “Studies in Anaphylaxis”: The First Article in The Journal of Immunology
- Elise Strang L’Esperance: Pioneer in Cancer Prevention and Recipient of Lasker Award
- Immunologists during the First World War: One Soldier-Scientist’s Experience—Stanhope Bayne-Jones
- The 1918–1919 Influenza Pandemic as Covered in The Journal of Immunology
- Anna Wessels Williams: Infectious Disease Pioneer and Public Health Advocate
- 100 Years of AAI: A Look Back at Two Early Immunologists in Hawaii
- PI in the Scotland Yard of Streptococcal Mysteries: Rebecca Lancefield
- From the Archives: What's Old is New Again: Early Editors of The JI Act to Address Perennial Challenges in the Peer-Review and Editing Process
- A Legacy of Advocacy Is Born as AAI Confronts McCarthyism
- Creating a Buzz in the Field of Immunology: Mary Hewitt Loveless and the Development of Venom Therapy for the Prevention of Sting-Induced Anaphylaxis
- The Emergence of Immunology in Pittsburgh

AAI Website

The history section of the AAI website continues to evolve as a living archive. Current and future resources include:

- AAI history articles published in the AAI Newsletter
- Oral History Project—exclusive interviews offering a rare glimpse into the lives and times of influential immunologists
- Digital Immunology Timeline, including all the images from the physical Centennial Timeline as well as citations for the scientific events
- Profiles of notable AAI members, including AAI Nobel and Lasker recipients, and past presidents and officers
- An eBook of commentaries on “Pillars” articles from The Journal of Immunology
- AAI Story Booth—attendees’ favorite immunology recollections, recorded at IMMUNOLOGY 2013™ and IMMUNOLOGY 2014™