Important Links

Online Registration
www.IMMUNOLOGY2010.org/Registration.htm

Hotel Reservations
www.IMMUNOLOGY2010.org/Housing.htm

International Attendees
www.IMMUNOLOGY2010.org/Visa.htm

For program updates and complete meeting information, visit
www.IMMUNOLOGY2010.org
See you in Baltimore!

All activities for the meeting will be held at the Baltimore Convention Center (BCC) unless otherwise noted.

AAI PRESIDENT’S PROGRAM

AAI President’s Address
FRIDAY, MAY 7 • 5:00 PM
BCC BALLROOM I & II
Betty A. Diamond, The Feinstein Institute for Medical Research, AAI President

Antibodies and the brain: lessons from lupus
Matthew D. Scharff, Albert Einstein College of Medicine, Introduction

Presentation of AAI Excellence in Mentoring Award
MONDAY, MAY 10 • 2:30 PM • BCC BALLROOM I & II
Chair: Betty A. Diamond, The Feinstein Institute for Medical Research, AAI President

AAI Excellence in Mentoring Award
Award Recipient: Jack L. Strominger
Harvard University

Hidde Ploegh, MIT, Introduction
The AAI Excellence in Mentoring Award recognizes an AAI member’s exemplary career contributions to a future generation of scientists. The award will be presented prior to the start of the AAI President’s Symposium.

AAI President’s Symposium
Neural and Immune Interactions: A New Frontier
MONDAY, MAY 10 • 2:30 PM—4:30 PM • BCC BALLROOM I & II
Chair: Betty A. Diamond, The Feinstein Institute for Medical Research, AAI President

Kevin J. Tracey
The Feinstein Institute for Medical Research
Reflex control of immunity

British Engelhardt
University of Bern
How immune cells enter the central nervous system: anatomical pathways and molecular cues

Madeleine W. Cunningham
University of Oklahoma Health Sciences Center
Molecular mimicry in the immune system: effects on the brain

Lawrence Steinman
Stanford University
Biomarkers guide patient selection for targeting innate or adaptive immunity in multiple sclerosis

Presentation of AAI Lifetime Achievement Award
SATURDAY, MAY 8 • 5:00 PM • BCC BALLROOM I & II
Chair: Betty A. Diamond, The Feinstein Institute for Medical Research, AAI President

Award Recipient: Susan L. Swain
Trudeau Institute
The AAI Lifetime Achievement Award is the highest honor bestowed by the AAI Council upon an AAI member. This award recognizes a deserving member for a career of scientific achievement and for contributions to AAI and fellow immunologists. The award will be presented prior to the start of Alan Sher’s AAI Distinguished Lecture.

AAI Distinguished Lectures
Generously supported by eBioscience, Inc.

SATURDAY, MAY 8 • 5:00 PM
BCC BALLROOM I & II
Alan Sher
NIAD, NIH
Learning immunoregulation from parasites

SUNDAY, MAY 9 • 5:00 PM
BCC BALLROOM I & II
Pamela S. Ohashi
University of Toronto
Breaking T cell tolerance to tissue/tumor antigens: a perspective

MONDAY, MAY 10 • 5:00 PM
BCC BALLROOM I & II
Mitchell Kronenberg
La Jolla Institute for Allergy and Immunology
Natural killer 1 cells ignite the immune response to microbes by acting like innate immune cells

Dedicated to the memory of Eli Sercarz

IMMUNOLOGY 2010™ | THE AMERICAN ASSOCIATION OF IMMUNOLOGISTS
Major Symposium A—Immunooimaging: Visualizing the Immune Response in Real-Time by Multiphoton Microscopy

Chair: Michael D. Cahalan, University of California, Irvine
Co-chair: Matthew F. Krummel, University of California, San Francisco
- Michael D. Cahalan, University of California, Irvine
  There and back again: immunooimaging in peripheral tissue and in lymphoid organs
- Matthew F. Krummel, University of California, San Francisco
  Visualization of effective and defective antigen presentation in vivo
- Ronald N. Germain, NIAID/NIH, Connecting the dots: dynamic in situ analysis of innate and adaptive immunity using intravital 2-photon microscopy
- Ellen A. Robey, University of California, Berkeley
  Imaging of T cells and thymocytes in action using 2-photon microscopy
- Mark J. Miller, Washington University School of Medicine
  Regulation of leukocyte trafficking in mouse models of inflammation and infection
- Thorsten R. Mempel, Massachusetts General Hospital
  T cell migration and function during an anti-tumor immune response

Major Symposium B—Follicular Helper T Cells: Lineage and Function

Chair: Michael G. McHeyzer-Williams, Scripps Research Institute
Co-chair: Carola G. Vinuesa, Australian National University
- Shane Crotty, La Jolla Institute for Allergy and Immunology
  Follicular helper CD4+ T cell differentiation and function
- Markus Mohrs, Trudeau Institute
  Tfh cells during helminth infections: helpers without borders
- Carola G. Vinuesa, Australian National University
  Unwanted Tfh cells
- Sidonia Fagarasan, RIKEN Research Center for Allergy and Immunology
  T cell-independent and T cell-dependent IgA synthesis in the gut
- Michael G. McHeyzer-Williams, Scripps Research Institute
  Effector and memory follicular helper T cell function in vivo

Major Symposium C—Regulation of Immunity by Transcriptional and Epigenetic Networks

Chair: Kenneth M. Murphy, Washington University School of Medicine
Co-chair: Dan R. Littman, New York University School of Medicine
- Mark Schlissel, University of California, Berkeley
  Transcription factors and signaling pathways that regulate the V(DJ) recombinase
- Katia Georgopoulos, Massachusetts General Hospital/ Harvard Medical School
  Ikaros and the rise and fall of the immune system
- Tian Chi, Yale University
  New novel genetic approaches for studying epigenetic control in T cells
- Keji Zhao, NHLBI/NIH
  Epigenetic regulation of T cell differentiation
- Diane J. Mathis, Harvard Medical School
  The molecular mechanism of Aire
- Kenneth M. Murphy, Washington University School of Medicine
  Immune lineage decisions regulated by atypical AP-1 factors

Major Symposium D—New Insights into Mast Cell Function

Chair: Stephen J. Galli, Stanford University
Co-chair: Melissa A. Brown, Northwestern University
- Juan Rivera, NIAMS/NIH
  Sphingosine kinases and sphingosine-1-phosphate in mast cell biology and function
- Toshiaki Kawakami, La Jolla Institute for Allergy and Immunology
  PLC-γ1, a tumor suppressor, inhibits skin inflammation
- Soman N. Abraham, Duke University Medical Center
  Mast cell modulation of adaptive immune responses to pathogens
- Jean S. Marshall, Dalhousie University
  Mast cell responses to viral infection and Toll-like receptor-mediated activation
- Melissa A. Brown, Northwestern University
  Roles of mast cells in autoimmunity
- Stephen J. Galli, Stanford University
  Mast cells as negative regulators of innate and adaptive immune responses
MONDAY, MAY 10  |  8:00 AM–11:30 AM
BCC BALLROOM I

Major Symposium E—Multi-scale Computational and Systems Approaches to Understanding Immunity
Chair: Ronald N. Germain, NIAID/NIH
Co-chair: Denise E. Kirschner, University of Michigan Medical School
  • Ronald N. Germain, NIAID/NIH, Introduction
  • Douglas A. Laufenburger, MIT, Quantitative analysis of interleukin-7 receptor/ligand dynamics, signaling, and responses in naive T cells: combined experimental and modeling studies
  • Martin Meier-Schellersheim, NIAID/NIH, Computational cell biology—from molecular interactions to cellular communication
  • Byron Goldstein, Los Alamos National Laboratory, From ligand-induced receptor aggregation to the aggregation of LAT: a systems biology approach to modeling FcεRI-mediated mast cell signaling
  • Penelope A. Morel, University of Pittsburgh, Understanding local innate immune responses to pathogens
  • Denise E. Kirschner, University of Michigan Medical School, Multi-scale and multi-systems approaches toward understanding the immune response to Mycobacterium tuberculosis infection
  • Christophe Benoist, Harvard Medical School, The immunological genome project

BCC BALLROOM II

Major Symposium F—Innate Immunoregulation at Mucosal Interfaces
Chair: Richard S. Blumberg, Brigham & Women’s Hospital/ Harvard Medical School
Co-chair: Bana Jabri, University of Chicago
  • Thaddeus S. Stappenbeck, Washington University School of Medicine, Autophagy, Paneth cells and intestinal inflammation
  • Richard S. Blumberg, Brigham & Women’s Hospital/ Harvard Medical School, ER stress and intestinal inflammation
  • Andrew J. Macpherson, University of Bern, The continuum between adaptive and innate immunity in maintaining mutualism with commensal intestinal bacteria
  • Bana Jabri, University of Chicago, TLR6 and immune regulation
  • Christopher L. Karp, Cincinnati Children’s Hospital Research Foundation, Immunobiology of a gene modifying lung disease in cystic fibrosis
  • Averil Ma, University of California, San Francisco, Regulation of NF-κB and NOL2 pathways in mucosal tissues

TUESDAY, MAY 11  |  8:00 AM–11:30 AM
BCC BALLROOM I

Major Symposium G—Evolution of Immune Competent Lymphocytes and Their Receptors
Chair: Max D. Cooper, Emory University
Co-chair: Martin F. Flajnik, University of Maryland at Baltimore
  • Ellen Hsu, State University of New York, The basis of allelic exclusion?
  • Martin F. Flajnik, University of Maryland at Baltimore, Immunoglobulins and gamma/delta T cell receptors: How do we decide?
  • John P. Cannon, University of South Florida, Genetics, structure and function of novel immune receptors
  • Max D. Cooper, Emory University, Evolution of alternative adaptive immune systems
  • Thomas Boehm, Max-Planck-Institute of Immunobiology, Evolution of the thymus in vertebrates
  • Roy A. Mariuzza, University of Maryland Biotechnology Institute, Structural insights into the evolution of adaptive immunity

BCC BALLROOM II

Major Symposium H—Negative Regulatory Networks in Health and Disease
Chair: Arlene H. Sharpe, Harvard Medical School
Co-chair: Dario A. A. Vignali, St. Jude Children’s Research Hospital
  • Arlene H. Sharpe, Harvard Medical School, Role of co-inhibitory pathways in regulating the balance between T cell activation and tolerance
  • David G. Brooks, UCLA, Positive and negative regulation of immunity during viral persistence
  • Dario A. A. Vignali, St. Jude Children’s Research Hospital, Dissecting regulatory T cell function
  • Christopher A. Hunter, University of Pennsylvania School of Veterinary Medicine, Additional roles for IL-27 in immune regulation
  • Jane Hoyt Buckner, Benaroya Research Institute at Virginia Mason, Mechanisms of impaired tolerance in type 1 diabetes
  • Dmitry I. Gabrilovich, H. Lee Moffitt Cancer Center and Research Institute, Myeloid-derived suppressor cells as negative regulators of immune responses
OPENING NIGHT WELCOME RECEPTION

Generously supported by eBioscience, Inc.

FRIDAY, MAY 7 • 6:15 PM–8:00 PM
BCC CHARLES STREET LOBBY AND MEZZANINE

Don’t miss the IMMUNOLOGY 2010™ Opening Night Welcome Reception generously sponsored by eBioscience, Inc. Come directly from the President’s Address into the grand foyer of the Baltimore Convention Center to enjoy drinks and hors d’oeuvres, catch up with colleagues, and relax from your travels. It will be our great pleasure, with the generous support of eBioscience, to welcome you to the 97th AAI Annual Meeting and wish you a productive week at IMMUNOLOGY 2010™.

AAI BLOCK PARTY “A NIGHT AT THE YARD”*

Generously supported by BioLegend

SUNDAY, MAY 9 • 7:00 PM–9:30 PM • ORIOLES PARK AT CAMDEN YARDS

Join us for this “Grand Slam” experience, supported by BioLegend at Camden Yards, home of the Baltimore Orioles! Camden Yards was built in the tradition of the magnificent big-league ballparks of the early 1900’s but with 21st century state-of-the-art technology.

Bring your baseball caps, wear your jerseys, and come out to Eutaw Street at the entrance to Camden Yards for our “Night at the Yard” block party. Whether you choose just to take in the grandeur of the stadium and reminisce about baseball, or sing and dance along with the live band, this event is sure to be one for the memory books. Terrific ballpark food including hot dogs, BBQ sandwiches, Baltimore Italian sausages, and more will be served…and yes! peanuts and Cracker Jacks!

* In case of rain, the party will move inside to the Camden Yards Stadium Club Level to enjoy the VIP treatment for festivities and great views of the field below.

YOUNG INVESTIGATORS PARTY (YIP!)

SATURDAY, MAY 8 • 9:00 PM–11:00 PM
RENAISSANCE BALTIMORE HARBORPLACE HOTEL, MARYLAND BALLROOM

Attention all graduate students and postdoctoral fellows! Join other young scientists for this hip networking event. You’ll enjoy a relaxed but rockin’ atmosphere to meet, network—and dance! Party includes snacks and beverages.

Note: Special event for Graduate Students and Postdoctoral Fellows. Badges checked at door. All guests must be 21 years of age.

SERVICE APPRECIATION RECEPTION

Generously supported by BioLegend

AAI is grateful to the many members who gave precious time over the past year to make AAI “tick”. Their service included working on AAI committees, representing AAI in outside activities, reviewing abstracts or chairing sessions at the annual meeting, and serving as senior editors for The Journal of Immunology. A reception to say “thank you” is being held at the annual meeting. This reception is very generously sponsored by BioLegend.
AWARD PRESENTATIONS & LECTURES

The AAI Awards Program honors members across the career spectrum. AAI awards are presented throughout the meeting in special sessions.

AAI-BD Biosciences Investigator Award Presentation and Lecture
Generously supported by BD Biosciences
SATURDAY, MAY 8  •  2:30 PM–3:30 PM  •  BCC BALLROOM I & II
Chair: Betty A. Diamond, The Feinstein Institute for Medical Research, AAI President
Award Recipient
Gregory M. Barton, University of California, Berkeley, Regulation and function of the Toll-like receptor family

AAI-Invitrogen Meritorious Career Award Presentation and Lecture
Generously supported by the Invitrogen Corporation
SATURDAY, MAY 8  •  3:30 PM–4:45 PM  •  BCC BALLROOM I & II
Chair: Betty A. Diamond, The Feinstein Institute for Medical Research, AAI President
Award Recipient
Dan R. Littman, HHMI, New York University School of Medicine, Microbiota and transcriptional networks in inflammatory T cell differentiation

AAI Award for Human Immunology Research Presentation and Lecture
SUNDAY, MAY 9  •  3:30 PM–4:45 PM  •  BCC BALLROOM I & II
Chair: Betty A. Diamond, The Feinstein Institute for Medical Research, AAI President
Award Recipient
Ralf S. Geha, Children’s Hospital Boston/ Harvard Medical School, Four decades of investigation in immunodeficiency and allergic diseases

AAI Business Meeting and Awards Presentations
MONDAY, MAY 10  •  12:45 PM–2:15 PM  •  BCC ROOM 324
This session will include the annual report to AAI members on AAI and The Journal of Immunology business affairs and will feature special 2010 AAI awards presentations and acknowledgements. Lunch will be provided.

AAI Distinguished Service Award
For dedication and exemplary service to the AAI Minority Affairs Committee

Gerald Sonnenfeld
Binghamton University
State University of New York

Randy R. Brutkiewicz
Indiana University School of Medicine

Cynthia Chambers Memorial–eBioscience Junior Faculty Award

Pfizer-Showell Travel Award
AAI-Invitrogen Trainee Achievement Awards

ADDITIONAL AWARDS AND GRANTS
to be given in conjunction with IMMUNOLOGY 2010™

AAI Trainee Abstract Awards
Awarded to AAI trainee members (students and postdoctoral fellows) whose first-author abstracts are selected for oral presentation in AAI Block Symposia.
Sponsored in part by BD Biosciences, Genentech, Imgenex

AAI Minority Scientist Travel Awards
Supports the participation of under-represented minority scientists at the AAI Annual Meeting; funded by a grant from the National Institute of General Medical Sciences, NIH [FASEB MARC Program: T36-GM08059-27].

AAI Junior Faculty Travel Grants
Assist young investigators with travel to the AAI Annual Meeting. Selection based on career promise and submission of a first-author abstract to the Annual Meeting.
Sponsored in part by BD Biosciences, BioLegend

For complete information on all AAI Awards, please visit www.aai.org/Awards.
AAI COMMITTEE-SPONSORED SESSIONS

AAI CLINICAL IMMUINOLOGY COMMITTEE

The Secret Life of B’s: The Genesis, Regulation, and Potential of Bregs

FRIDAY, MAY 7  •  2:00 PM–4:00 PM  •  BCC ROOM 310
Chair: Kevan Herold, Yale University
Co-chair: Cathryn Nagler, University of Chicago
- Thomas F. Tedder, Duke University Medical Center, Mouse and human regulatory B10 cell development and function
- Bonnie N. Dittel, BloodCenter of Wisconsin, Do B cells regulate the regulators?
- Atsushi Mizoguchi, Massachusetts General Hospital, Inducible Bregs modulate intestinal inflammation
- Eric Meffre, Yale University School of Medicine, Human B cell tolerance checkpoints in health and disease

Although regulatory T cells have received much of the “press” in immune regulation, recent data have demonstrated that regulatory B cells also exist and are important for proper control of immunity. Come to this session to learn the latest progress in understanding the regulation of B cells, how they in turn regulate immune responses, and their potential clinical roles in autoimmune and inflammatory diseases.

Unraveling Chronic Inflammatory Lung Disease: Mucosal Immunity Gone Bad?

MONDAY, MAY 10  •  12:30 PM–2:30 PM  •  BCC ROOM 310
Chair: Jay K. Kolls, Louisiana State University Health Sciences Center
Co-chair: Kathleen E. Sullivan, Children’s Hospital Philadelphia
- Jack A. Elias, Yale University School of Medicine, Chitinases and chitinase-like proteins in lung injury and inflammation
- Andrew P. Fontenot, University of Colorado Denver, Th17 cells and hypersensitivity pneumonitis
- Anuradha Ray, University of Pittsburgh, The hygiene hypothesis revisited: innate regulation of effector arm in allergic asthma
- Robert Palermo, University of Washington, Seattle, Functional genomics investigations of H1N1 influenza pathogenesis

The lung is a site constantly at risk for the development of inflammatory diseases ranging from allergic asthma to infectious disease such as H1N1-mediated “swine flu.” This session will address the wide range of potential clinical disturbances of lung immune homeostasis and ways order can be restored to this vital organ.

AAI COMMITTEE ON PUBLIC AFFAIRS

Big Funding + Big Opportunities = Big Science? NIH Priorities in the Post-Stimulus Era

SATURDAY, MAY 8  •  12:30 PM–2:30 PM  •  BCC ROOM 316-317
Chair: John R. Schreiber, Tufts University School of Medicine Chair, AAI Committee on Public Affairs
- Anthony S. Fauci, Director, National Institute of Allergy and Infectious Diseases
- Richard J. Hodes, Director, National Institute on Aging
- Stephen I. Katz, Director, National Institute of Arthritis and Musculoskeletal and Skin Diseases
- John E. Niederhuber, Director, National Cancer Institute

With $10 billion in stimulus funding, a new Director, and the possibility of the largest budget in its history, NIH has an unprecedented opportunity to shape the future of the biomedical research enterprise. How this plays out will affect every researcher, every lab, and every student who aspires to a research career. Will it be Big Science? Fewer RO1s? More clinical, translational, or comparative effectiveness research? This session is your chance to hear directly from four key NIH Institute Directors, all of whom are directly involved in the planning and implementation of NIH and Institute priorities. A question and answer period will follow the presentations.

Protecting Animal Research in the Face of Legislation, Extremists, and Public Ambivalence

SUNDAY, MAY 9  •  12:30 PM–2:00 PM  •  BCC ROOM 314
Chair: John R. Schreiber, Tufts University School of Medicine Chair, AAI Committee on Public Affairs
- Frankie Trull, President, National Association for Biomedical Research and Foundation for Biomedical Research
- Drew Plasienki, Unit Chief, Domestic Terrorism Operations Unit, Federal Bureau of Investigation

Scientists who use animals in their research are faced with myriad challenges, ranging from the mundane (administrative burden) to the menacing (animal rights extremists). This session will explore legislative and legal challenges to the use of animals in research and provide invaluable advice about how researchers can protect themselves and their labs from animal rights extremists.
AAI COMMITTEE-SPONSORED SESSIONS

AAI EDUCATION COMMITTEE

AAI High School Teachers Summer Research Program Workshop: Lessons in Immunology
SATURDAY, MAY 8 • 9:00 AM–12:00 NOON • BCC ROOM 324
Chair: Brian A. Cobb, Case Western Reserve University School of Medicine
The AAI High School Teachers Summer Research Program brings the excitement of immunology directly to high school students through curricula developed by participating science teachers. This program pairs high school science teachers with established AAI member immunologists who mentor them in their laboratories in a “hands-on” summer internship. The teachers develop a science project for the classroom based on their summer research experience. In this session, the 2009-2010 participating high school teachers will present their experiences and projects.

The Balancing Act: Teaching and Research at Undergraduate Institutions
SUNDAY, MAY 9 • 11:30 AM–1:30 PM • BCC ROOM 324
Chair: Sharon A. Stranford, Mount Holyoke College
Co-chair: Jennifer A. Punt, Haverford College
A panel of outstanding immunologists who teach and conduct research at premier undergraduate colleges will share their experience and advice in doing both.

• Sharon A. Stranford, Mount Holyoke College, Money and time: funding your research and balancing your job
• Richard A. Goldsby, Amherst College, Preparing for and finding a job
• Jennifer A. Punt, Haverford College, Innovative models for laboratory teaching
• Devavani Chatterjee, Macalester College, Engaging with the material: teaching reading, writing and questioning skills

AAI EDUCATION COMMITTEE AND COMMITTEE ON THE STATUS OF WOMEN

Careers in Science: Lecture and Roundtable
SUNDAY, MAY 9 • 1:30 PM–3:30 PM • BCC BALLROOM III
Chair: Bonnie N. Dittel, BloodCenter of Wisconsin Chair, AAI CSOW
Keynote Speaker: Carol A. Nacy, Co-Founder and Chief Executive Officer, Sequlla, Inc.
In today’s economic environment, many scientists are wondering about employment prospects inside and out of the research lab. Perhaps you are even wondering what transferable skills you’ve developed as a scientist and what careers they may enable you to pursue? Attend this session to learn about career options and successful paths to each. The keynote speaker is scientist and entrepreneur Carol Nacy.

She will share lessons learned along the path of her research career in government and industry. Following her presentation, roundtable discussions led by experienced scientists will focus on specific career issues and options important to men and women in science today.

Round Table Discussion Topics:
• Academic Research Careers
• Building Effective Mentoring Programs and Networks
• Career and Family: time management/family leave/professional couples
• Careers in Biotech and Industry
• Careers at Governmental Agencies (CDC/FDA/NIH)
• Career Decisions after Tenure
• Changing Careers: moving from academia to industry or vice versa
• Graduate Student to Postdoc: finding a postdoc, interviewing
• New PI: attracting students and postdocs, preparing for tenure
• Non-Research Careers: patent law, science policy, science writing, science administration, or other unique careers that utilize your training
• Postdoc to PI: finding a position, interviewing, negotiating, lab start-up
• Time Management
• Translational Research: how to balance clinical work and research
• Undergraduate Institutions: teaching, doing research
Registration required: $15 includes dessert buffet and coffee.

AAI MINORITY AFFAIRS COMMITTEE

Careers and Networking Roundtable
SATURDAY, MAY 8 • 11:00 AM–12:30 PM • BCC BALLROOM III
Chair: Prosper N. Boyaka, The Ohio State University Chair, AAI Minority Affairs Committee
Don’t miss this opportunity to meet one-on-one with accomplished, senior minority immunologists to hear how they have handled the career challenges you now face. Learn what they believe will work for you today. Topics to be discussed:
• Grad Student: Finding a mentor; taking aim at postdoc training
• Postdoc: Finding a mentor; taking aim at a faculty position
• Junior Faculty: Preparing for promotion and tenure
• Academia or Industry: How to decide (or switch sides)
• Government Agency Careers: CDC, FDA, NIH
• Alternative Careers: Science journalism, patent law
Registration, $15 fee required; box lunch included.
Minority Affairs Committee Guest Lecture
Generously supported through a grant from the National Institute of General Medical Sciences, NIH
[FASEB MARC Program: T36-GM08059-27]

MONDAY, MAY 10 • 11:30 AM–12:30 PM • BCC ROOM 309

Chair: Prosper N. Boyaka, The Ohio State University; Chair, AAI Minority Affairs Committee
Albert Zlotnik, University of California, Irvine
An evolutionary view of chemokines

AAI PUBLICATIONS COMMITTEE
Successfully Navigating Manuscript Preparation and Peer Review
Generously supported by Immunology Science Editors

SUNDAY, MAY 9 • 12:45 PM–2:45 PM • BCC ROOM 315

Chair: Robert D. Schreiber, Washington University School of Medicine; Chair, AAI Publications Committee

Your data may be good and your findings may be significant, but your manuscript will navigate peer review only as well as you present your findings. Learn from presentations made by expert scientists and editors about good practices in data presentation and manuscript preparation. Learn, too, how to understand what reviewers are (and aren’t) saying and how to respond to their comments. Ample time will be allowed for questions and answers at the end of the session

• Paul E. Love, NICHD, NIH, A picture paints a thousand words—preparing manuscript figures
• Cathryn Nagler, The University of Chicago, Telling the rest of the story—preparing manuscript text
• Michael S. Krangel, Duke University, Transcending that fight or flight reflex—understanding and responding to reviewer comments
• Jeremy M. Boss, Emory University School of Medicine, What’s wrong here?—ethical considerations in manuscript preparation

AAI VETERINARY IMMUNOLOGY COMMITTEE
jointly sponsored with the
AMERICAN ASSOCIATION OF VETERINARY IMMUNOLOGISTS (AAVI)

Immunology of Emerging Infectious Diseases
MONDAY, MAY 10 • 2:45 PM–4:45 PM • BCC ROOM 327-328

Chair: Simon M. Barratt-Boyes, University of Pittsburgh
Co-chair: Douglas D. Bannerman, Department of Veterans Affairs

• Michael S. Diamond, Washington University, Novel mechanisms of innate immune control and evasion of West Nile Virus
• Linda J. Saif, Ohio State University, Respiratory viral co-infections and corticosteroids alter immune responses and enhance pneumonia in a porcine respiratory coronavirus model in pigs: lessons for SARS
• Christopher M. Walker, The Research Institute at Nationwide Children’s Hospital, Cellular immunity to the hepatitis C virus: can a failed response be rescued?
• Adolfo Garcia-Sastre, Mount Sinai School of Medicine, Evasion of immunity by new H1N1 pandemic influenza viruses

Research in non-human, non-mouse species can provide important insights into human immunity. This is especially important when a pathogen evolves the ability to move between species and establishes disease in humans. In this session, veterinary immunologists will present the latest research into such zoonotic diseases as West Nile Virus and swine flu.
NATIONAL CANCER INSTITUTE (NCI)

Tumors and Inflammatory Cells: Coconspirators or Adversaries

MAY 10 • 2:45 PM–4:45 PM • BCC ROOM 308

Chair: James J. Lee, Mayo Clinic Arizona

Co-chair: Susan A. McCarthy, NCI, NIH

- Mary M. Zutter, Vanderbilt University School of Medicine
  Integrins in squamous cell carcinoma: inflammation and lymphangiogenesis

- Michael T. Lotze, University of Pittsburgh, Metabolism, inflammation, and cancer: role(s) of damage-associated molecular pattern molecules

- Hans Schreiber, University of Chicago, Inflammation and stroma as tumor promoters in cancer induction

- Klaus Ley, La Jolla Institute for Allergy and Immunology
  Neutrophil recruitment to sites of inflammation

- James J. Lee, Mayo Clinic Arizona, The role(s) of eosinophils in cancer: pro-tumorigenic, anti-tumorigenic, or simply innocent bystanders?

NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES (NIAID)

Immunology of Malaria in the 21st Century: Questions and Solutions

MAY 10 • 12:30 PM–2:30 PM • BCC ROOM 327-328

Chairs: Alison Deckhut Augustine, DAIT, NIAID, NIH
  Lee F. Hall, DMID, NIAID, NIH

- James W. Kazura, Case Western Reserve University
  Exposure and age-related heterogeneity of naturally acquired immunity to human Plasmodium falciparum infection

- Myriam Arévalo-Herrera, Instituto de Immunologia de la Universidad del Valle, Plasmodium vivax malaria: studies on transmission-blocking immunity in search for vaccine for human use

- Eleanor M. Riley, London School of Hygiene and Tropical Medicine, Long-lived antibody and B cell memory responses to the human malaria parasites, Plasmodium falciparum and Plasmodium vivax

- Douglas T. Golenbock, University of Massachusetts Medical School, Recognition of DNA by the innate immune system causes inflammation during malaria

Harnessing B Cells to Combat HIV

MAY 10 • 2:45 PM–4:45 PM • BCC ROOM 309

Chairs: Stacy Ferguson, DAIT, NIAID, NIH
  Alan Embry, DAIDS, NIAID, NIH

Moderator: Georgia D. Tomaras, Duke University

NATIONAL INSTITUTE OF ARTHRITIS AND MUSCULOSKELETAL AND SKIN DISEASES (NIAMS)

Innate Immunity: Biology and Implications in Disease

MAY 8 • 8:00 AM–10:00 AM • BCC ROOM 307

Chair: Robert H. Carter, NIAMS/NIH

Co-chair: Marie Mancini, NIAMS/NIH

- Ann Marshak-Rothstein, University of Massachusetts Medical Center, Tolling down the road to SLE

- Donald Y. M. Leung, National Jewish Health, Role of barrier in the skin's innate immune response

- Thirumala-Devi Kanneganti, St Jude Children's Research Hospital, NLR inflammasomes in innate immunity, inflammation, and host defense

- Daniel L. Kastner, NIAMS/NIH, Horror autoinflammaticus: the expanding spectrum of systemic autoinflammatory disease

NATIONAL INSTITUTE ON AGING (NIA)

T Cell Dysfunction with Aging

MAY 10 • 10:15 AM–12:15 PM • BCC ROOM 307

Chair: Rebecca A. Fuldner, NIA, NIH

- Susan L. Swain, Trudeau Institute, With age, increased naive CD4 T cell lifespan, caused by reduced expression of Bim, is necessary for development of functional defects

- Nan- ping Weng, NIA, NIH, Probing the in vivo changes of human immune system with age: a 5-year study of the old participants from the Baltimore Longitudinal Study on Aging (BLSA)

- Jörg J. Goronzy, Stanford University, T cell signaling in aging—in favor of phosphatase activity

- Claire A. Chougnet, Cincinnati Children's Hospital
  Accumulation of regulatory T cells and age-related immunosuppression
GUEST SOCIETY SYMPOSIA

American Association of Veterinary Immunologists (AAVI) and AAI Veterinary Immunology Committee Joint Symposium

Immunology of Emerging Infectious Diseases

MONDAY, MAY 10  2:45 PM–4:45 PM  BCC ROOM 327–328
Chair: Simon M. Barratt-Boyes, University of Pittsburgh
Co-chair: Douglas D. Bannerman, Department of Veterans Affairs

- Michael S. Diamond, Washington University, Novel mechanisms of innate immune control and evasion of West Nile Virus
- Linda J. Saif, Ohio State University, Respiratory viral co-infections and corticosteroids alter immune responses and enhance pneumonia in a porcine respiratory coronavirus model: lessons for SARS
- Christopher M. Walker, The Research Institute at Nationwide Children’s Hospital, Cellular immunity to the hepatitis C virus: can a failed response be rescued?
- Adolfo García-Sastre, Mount Sinai School of Medicine, Evasion of immunity by new H1N1 pandemic influenza viruses

American Society for Blood and Marrow Transplantation (ASBMT) Symposium

Factors Affecting the Nature of the Alloresponse in Graft-versus-Host Disease

SUNDAY, MAY 9  1:00–1:45 PM  BCC ROOM 327–328
Chair: William J. Murphy, University of California, Davis
Co-chair: Pavan R. Reddy, University of Michigan

- Pavan R. Reddy, University of Michigan, Induction of GVHD
- Warren D. Shlomchik, Yale University School of Medicine, Antigen presentation in graft-vs-host disease
- William J. Murphy, University of California, Davis, Diverse role of cytokines in GVHD
- Thea M. Friedman, Hackensack University Medical Center, Vbeta spectratype analysis-guided selection of GVHD-reactive T cells in allogeneic BMT

American Society of Hematology (ASH) Symposium

Stem Cell Biology, the Niche and Hematopoietic Cell Engraftment

MONDAY, MAY 10  8:00 AM–10:00 AM  BCC ROOM 316–317
Chair: Hal E. Broxmeyer, Indiana University School of Medicine
Co-chair: David T. Scadden, Harvard Stem Cell Institute

- Irving L. Weissman, Stanford University, Stem cell biology and characterization
- Hiromitsu Nakauchi, University of Tokyo, Hematopoietic stem cell signature
- David T. Scadden, Harvard Stem Cell Institute, Hematopoietic stem cell niche
- George Q. Daley, Brigham and Women’s Hospital, Harvard Stem Cell Institute, IPS cells and reprogramming
- Hal E. Broxmeyer, Indiana University School of Medicine, Enhancing engraftment/recovery of hematopoietic stem cells

American Society of Transplantation (AST) Symposium

Impact of T and B Lymphocyte Memory in Transplantation

SATURDAY, MAY 8  12:30 PM–2:30 PM  BCC ROOM 308
Chair: Ronald G. Gill, Alberta Diabetes Institute
Co-chair: Robert L. Fairchild, Cleveland Clinic Foundation

- Marc K. Jenkins, University of Minnesota, Monitoring immune responses in vivo
- Anita S.F. Chong, University of Chicago, Memory B cells as barriers to transplant outcomes
- Mandy L. Ford, Emory University, Memory T cells as barriers to transplant outcomes
- Xian C. Li, Beth Israel Deaconess Medical Center/Harvard Medical School, Targeting memory T cells in transplantation

Association of Medical Laboratory Immunologists (AMLI) Symposium

Progress towards Induction of Antigen-Specific Tolerance in Autoimmune Disease

SUNDAY, MAY 9  2:45 PM–4:45 PM  BCC ROOM 307
Chair: John Schmitz, University of North Carolina, Chapel Hill
Co-chair: Barbara Detrick, Johns Hopkins University

- Stephen D. Miller, Northwestern University, An antigen-specific tolerance approach for the therapy of autoimmune disease and tissue transplantation
- Roland M. Tisch, University of North Carolina, Chapel Hill, The use of soluble MHC-peptide dimers to suppress beta cell autoimmunity
- David S. Bradley, University of North Dakota, An alternative therapy for autoimmune diseases: the potential of an immature dendritic cell vaccine for spontaneous polyarthritis
- Robert B. Nussenblatt, NEI/NIH, Oral tolerance and ocular inflammatory disease
Australasian Society for Immunology (ASI) Symposium
Dendritic Cell Specializations from Bench to Bedside
SUNDAY, MAY 9 • 12:30 PM–2:30 PM • BCC ROOM 307
Chair: Derek N. J. Hart, Mater Medical Research Institute
• William R. Heath, University of Melbourne, DC response to pathogens
• Kristen J. Radford, Mater Medical Research Institute
  Human blood DC subsets and function
• Bruce W. S. Robinson, Sir Charles Gairdner Hospital
  DC subsets and cross presentation in cancer
• Jose A. Villadangos, Walter and Eliza Hall Institute of Medical Research. Antigen presentation specializations in the DC network
• Li Wu, Walter and Eliza Hall Institute of Medical Research
  Transcription factor PU.1 controls DC development through the dose-dependent regulation of Fli3

British Society for Immunology (BSI) Symposium
Immunosurveillance
SUNDAY, MAY 9 • 8:00 AM–10:00 AM • BCC ROOM 317
Chair: Tracy Hussell, Imperial College London
Co-chair: Arne N. Akbar, University College London
• Tracy Hussell, Imperial College London, Regulation of immune surveillance in the lung
• Eyal Raz, University of California San Diego, Th17: canonical and non-canonical differentiation pathways
• Arne N. Akbar, University College London, Decreased cutaneous immunosurveillance after antigenic challenge during aging
• Andrew L. Mellor, Medical College of Georgia Immunotherapy Center, Enhancing immunosurveillance in chronic inflammatory diseases by manipulating IDO

Canadian Society for Immunology (CSI) Symposium
Genetic Susceptibility to Immunodeficiencies and Autoimmunity
MONDAY, MAY 10 • 10:15 AM–12:15 PM • BCC ROOM 310
Chair: André Veillette, Clinical Research Institute of Montreal
• André Veillette, Clinical Research Institute of Montreal
  Immune regulation by SAP, a molecule mutated in X-linked lymphoproliferative disease
• Jennifer L. Cannons, NHGRI, NIH. Lymphocyte adhesion: lessons from X-linked lymphoproliferative disease
• Philippe Poussier, Sunnybrook Health Sciences Centre Research Institute, University of Toronto. Immunogenetics of type 1 diabetes in the BB rat
• Jayne S. Danska, Hospital for Sick Children, University of Toronto. Unraveling complex disease: genetic and immunological analysis of type 1 diabetes
• Pere Santamaria, Julia McFarlane Diabetes Research Centre, University of Calgary. IL-2 and regulatory T cells in autoimmunity

Chinese Society for Immunology (ChSI) Symposium
Linking Innate and Adaptive Immunity
SUNDAY, MAY 9 • 10:15 AM–12:15 PM • BCC ROOM 325-326
Chair: Xuetao Cao, Second Military Medical University, Shanghai
Co-chair: Olivia (Olja) J. Finn, University of Pittsburgh School of Medicine
• Limin Zheng, Sun Yat-Sen University. Activated monocytes in peritumor stroma promote disease progression by fostering immune privilege and Th17 cell expansion
• Zhihai Qin, Center for Infection and Immunity, Chinese Academy of Sciences, Beijing. IFN-γ controls Th17-mediated immunopathology during mouse hepatitis virus infection
• Yu Zhang, Peking University Health Science Center. Thymic microenvironment and lymphopoiesis
• Changyou Wu, Sun Yat-Sen University. Human memory IL-22-producing CD4+ T cells specific for Candida albicans
• Xuetao Cao, Second Military Medical University, Shanghai
  Regulation of memory T cell generation by innate cells

International Society of Developmental and Comparative Immunology (ISDCI) Symposium
Novel Strategies of Non-Self Recognition by Invertebrate and Non-Mammalian Vertebrate Model Species
MONDAY, MAY 10 • 12:30 PM–2:30 PM • BCC ROOM 325-326
Chair: J. Oriol Sunyer, University of Pennsylvania
• Jacques Robert, University of Rochester Medical Center
  Comparative and evolutionary study of tumor immunity in the non-mammalian xenopus model
• Eva Bengtzen, University of Mississippi Medical Center
  Insights into teleost IgD function
• J. Oriol Sunyer, University of Pennsylvania
  Convergent evolution of mucosal immunoglobulins of fish and mammals
• Brantley R. Herrin, Emory University. Antigen recognition by lamprey variable lymphocyte receptors
• L. Courtney Smith, George Washington University. Highly variable immune-response proteins (185/333) from the sea urchin

International Society for Interferon and Cytokine Research (ISICR) Symposium
Immunobiology of IL-10 Family Members
MONDAY, MAY 10 • 10:15 AM–12:15 PM • BCC ROOM 308
Chair: Grant Gallagher, HUMIGEN, the Institute for Genetic Immunology
Co-chair: Reen Wu, University of California, Davis
• Reen Wu, University of California, Davis. Regulation of airway mucosal immunity by IL-19
• Kerstyn Wolk, University Hospital Charite, IL-20 and IL-22: biology and role in disease
• Elizabeth A. Grimm, University of Texas, MD Anderson Cancer Center. IL-24, an IL-10 family cytokine with immunostimulatory and tumor suppressor functions
• Grant Gallagher, HUMIGEN, the Institute for Genetic Immunology. Regulation of interferon lambda-1 (IL-29) in airway epithelium
International Society of Neuroimmunology (ISNI) Symposium
RNA Regulation in Neuroimmunology
SUNDAY, MAY 9  •  12:30 PM–2:30 PM  •  BCC ROOM 308
Chair: Caroline C. Whitacre, Ohio State University
- Alexander V. Rudensky, Memorial Sloan-Kettering Cancer Center, MicroRNAs in regulatory T cell homeostasis and function
- Bright Alette de Jong, Stanford University, MicroRNA-based network and pathway analysis in multiple sclerosis lesions and experimental autoimmune encephalomyelitis
- Kristen Smith, Ohio State University, MicroRNAs: modulators of T cell effector function in EAE and MS
- Amy E. Lovett-Racke, Ohio State University, Identifying microRNA differentially expressed in T cells of MS patients

Japanese Society for Immunology (JSI) Symposium
Positive and Negative Regulation in the Immune Response
SATURDAY, MAY 8  •  10:15 AM–12:15 PM  •  BCC ROOM 308
Chair: Alan Sher, NIAID, NIH
Co-chair: Shizuo Akira, Osaka University
- Shizuo Akira, Osaka University, Negative regulators in innate immune responses
- Toshio Hirano, Osaka University, Regulation of immune response by cytokine and zinc signaling
- Hajime Karasuyama, Tokyo Medical and Dental University, Novel roles for basophils in immune and allergic responses
- Shimon Sagatuchy, Kyoto University, T cell signaling, regulatory T cells, and self-tolerance

Singaporean Society for Immunology (SSI) Symposium
Immune Recognition and Cellular Communication
SATURDAY, MAY 8  •  10:15 AM–12:15 PM  •  BCC ROOM 325-326
Chair: David Michael Kemeny, National University of Singapore
Co-chair: S. K. Alex Law, Nanyang Technological University
- S. K. Alex Law, Nanyang Technological University, Lessons from leukocyte adhesion deficiency (LAD)-1
- Stephan Gassner, National University of Singapore, DNA damage response: a novel innate immune recognition system?
- Paul A. MacAry, National University of Singapore, The generation, characterization, and application of a TCR-like monoclonal antibody
- Christiane Ruedl, Nanyang Technological University, GM-CSF is the major CD8+ T cell-derived licensing factor for dendritic cell maturation and survival

Sociedad Mexicana de Inmunología (SMI) Symposium
From Mice to Men: Immunology Research in Mexico
TUESDAY, MAY 11  •  10:15 AM–12:15 PM  •  BCC ROOM 314
Chairs: Leopoldo Santos-Argumedo, CINVESTAV-IPN, Mexico City; Fernando Esquivel-Guadarrama, Universidad Autónoma del Estado de Morelos, Cuernavaca
- Leopoldo Santos-Argumedo, CINVESTAV-IPN, Primary human immunodeficiencies
- Fernando Esquivel-Guadarrama, Universidad Autónoma del Estado de Morelos, Analysis of the response of intestinal dendritic cells in rotavirus infection in a mouse model
- Iris Estrada, Escuela Nacional de Ciencias Biológicas-IPN, Neutrophil extracellular traps induced by Mycobacteria tuberculosis
- Rosana Pelayo, Oncology Hospital, National Medical Center, IMSS, Early precursor cells in childhood acute lymphoblastic leukemia

Society for Leukocyte Biology (SLB) Symposium
Immunobiology of Innate Immune Signaling
SATURDAY, MAY 8  •  2:45 PM–4:45 PM  •  BCC ROOM 309
Chair: Christopher L. Karp, Cincinnati Children’s Hospital Medical Center
Co-chair: Sanna Goyert, City University of New York
- Bruce Beutler, Scripps Research Institute, Genetic approaches to innate immunity
- Julie Magarian Blander, Mount Sinai School of Medicine, PRRs and antigen presentation
- Peter J. Murray, St. Jude Children’s Research Hospital, Signaling to arginine metabolism in intracellular pathogenesis
- Katherine A. Fitzgerald, University of Massachusetts Medical School, Immunobiology of DNA sensing pathways

Society for Natural Immunity (SNI) Symposium
The Many Sides of the Natural Killer Cell Response
SATURDAY, MAY 8  •  2:45 PM–4:45 PM  •  BCC ROOM 307
Chairs: John E. Coligan, NIAID, NIH; David H. Margulies, NIAID, NIH
- David H. Raulet, University of California Berkeley, Activating and inhibitory receptors in the tuning of NK cell responsiveness
- Daniel M. Davis, Imperial College, London, Nanotubes and synapses in NK cell recognition
- David H. Margulies, NIAID, NIH, Viral immunoevasis of the NK cell response: a structural perspective
- Katharina Hsu, Memorial Sloan-Kettering Cancer Center, The role of KIR genes and NK cell recognition in hematopoietic stem cell transplantation
CAREER DEVELOPMENT SESSIONS

CRAFTING A SUCCESSFUL GRANT

**Secrets for a Successful Postdoctoral Fellowship**

**SUNDAY, MAY 9**  •  11:30 AM–12:30 PM  •  BCC ROOM 315

**Chair:** Kira Gantt, The American Association of Immunologists  
**Speaker:** Lori Conlan, Director of NIH Office of Postdoctoral Services

A postdoctoral fellowship is the time to develop research skills you will need to succeed as an independent scientist. It is, however, just as important to realize that you need to prepare for a career path at the same time. This session will highlight ways of getting the most out of your postdoctoral fellowship, relating successfully with your mentor, and understanding how to use the resources available to you to ensure that your training prepares you adequately for a seamless transition into the next phase of your career.

**The Balancing Act: Teaching and Research at Undergraduate Institutions**

**SUNDAY, MAY 9**  •  11:30 AM–1:30 PM  •  BCC ROOM 324

**Chair:** Sharon A. Strandford, Mount Holyoke College  
**Co-chair:** Jennifer A. Punt, Haverford College

**Sponsored by the AAI Education Committee**

Session Details: See AAI Committee-sponsored sessions.

**Successfully Navigating Manuscript Preparation and Peer Review**

**SUNDAY, MAY 9**  •  12:45 PM–2:45 PM  •  BCC ROOM 315

**Chair:** Robert D. Schreiber, Washington University School of Medicine; Chair, AAI Publications Committee

**Sponsored by the AAI Publications Committee**

Session Details: See AAI Committee-sponsored sessions.

**Careers in Science: Lecture and Roundtable**

**SUNDAY, MAY 9**  •  1:30 PM–3:30 PM  •  BCC BALLROOM III

**Chair:** Bonnie N. Dittel, BloodCenter of Wisconsin; Chair, AAI CSOW

**Sponsored by the AAI Education Committee and the AAI Committee on the Status of Women**

Session Details: See AAI Committee-sponsored sessions.

**How to Convert Your CV into a Resume**

**MONDAY, MAY 10**  •  11:30 AM–12:30 PM  •  BCC HUUM 329

**Chair:** Kira Gantt, The American Association of Immunologists  
**Instructor:** Derek Haseltine, Assistant Director, Professional Development Office, Johns Hopkins Medical Institutions

For anyone seeking a job outside of academe, presenting yourself well on paper is critical. A well prepared resume can make all the difference in whether you secure that interview. The focus of this session will be on the important elements of a resume, the differences between a resume and the standard academic curriculum vitae, and the information needed for a good impression. In this special career development session, attendees will be instructed in how to take their CVs and transform them into professional resumes. Small breakout sessions for individual consulting will follow from 12:30 PM–2:30 PM. Bring your CV!
### 2009–2010 AAI Program Committee

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<td>University of Minnesota Center for Immunology</td>
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<td>Esteban Celis</td>
<td>H. Lee Moffitt Cancer Center and Research Institute, University of South Florida</td>
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<td>National Human Genome Research Institute, NIH</td>
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<td>La Jolla Institute for Allergy and Immunology</td>
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<td>Shannon J. Turley</td>
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#### Antigen Processing and Presentation

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<td>James R. Drake</td>
<td>Albany Medical College</td>
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<td>Joyce C. Solheim</td>
<td>University of Nebraska Medical Center</td>
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#### Autoimmunity

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<td>Anne Davidson</td>
<td>Feinstein Institute for Medical Research</td>
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<td>Stephen D. Miller</td>
<td>Northwestern University Medical School</td>
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#### Cellular Adhesion, Migration, and Inflammation

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<td>Sean P. Colgan</td>
<td>University of Colorado Health Sciences Center</td>
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<td>Edith M. Lord</td>
<td>University of Rochester Medical Center</td>
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#### Comparative Immunology

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<td>Simon M. Barratt-Boyes</td>
<td>University of Pittsburgh</td>
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<td>D. Mark Estes</td>
<td>University of Texas Medical Branch, Sealy Center for Vaccine Development</td>
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#### Cytokines and Chemokines and Their Receptors

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<td>Sarah L. Gaffen</td>
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<td>Achsah Dorsey Keegan</td>
<td>University of Maryland, Baltimore</td>
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#### Genetic and Epigenetic Regulation of the Immune System

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<td>Barbara K. Birshtein</td>
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<td>Barbara L. Kee</td>
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#### Hematopoiesis and Immune System Development

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<td>Avinash Bhandoola</td>
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<td>Lisa Borghesi</td>
<td>University of Pittsburgh School of Medicine</td>
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AAI ABSTRACT PROGRAMMING CHAIRS  Continued

HOST DEFENSE AND INNATE IMMUNITY
Peter J. Murray
St. Jude Children’s Research Hospital
Padmini Salgame
UMDNJ, New Jersey Medical School

IMMEDIATE HYPERSENSITIVITY, ASTHMA,
AND ALLERGIC RESPONSES
Cory M. Hogaboam
University of Michigan Medical School
Jean S. Marshall
Dalhousie University

IMMUNE SYSTEM REGULATION
Michael Croft
La Jolla Institute for Allergy and Immunology
Tania H. Watts
University of Toronto

LYMPHOCYTE DIFFERENTIATION AND
PERIPHERAL MAINTENANCE
Michael G. McHeyzer-Williams
Scripps Research Institute
David J. Rawlings
University of Washington School of Medicine

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University of Virginia Health Sciences Center
Gary M. Winslow
Wadsworth Center

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The Ohio State University
David W. Pascual
Montana State University

TRANSPLANTATION IMMUNOLOGY
Maria-Luisa Alegre
University of Chicago
Donna L. Farber
University of Maryland, Baltimore

TUMOR IMMUNOLOGY AND IMMUNOTHERAPY
James L. Riley
University of Pennsylvania
Cassian Yee
Fred Hutchinson Cancer Research Center

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International Society for Interferon and Cytokine Research (ISICR)
International Society of Neuroimmunology (ISNI)
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The American Association of Immunologists proudly announces the 2010 recipients of AAI Awards for outstanding research and career achievements. The 2010 AAI Award winners will be recognized at the 97th AAI Annual Meeting, IMMUNOLOGY 2010™

**AAI Lifetime Achievement Award**
*In recognition of distinguished scientific accomplishment and extraordinary service to AAI*

**Susan L. Swain, Ph.D.**
The Trudeau Institute

Dr. Swain’s distinguished career exemplifies the dedication to science and service that the AAI Lifetime Achievement Award honors. She has dedicated her scientific career to elucidating the mechanisms of immune recognition, viral immunity, and aging while also providing tireless service to her colleagues and community. Dr. Swain served as President of The Trudeau Institute from 1996 to 2007. Under her leadership, The Trudeau Institute gained international recognition as a leading research center. An AAI member since 1977, she has served on numerous AAI committees. She was elected to the AAI Council in 1999 and served as President and Past President, 2004–2006. Dr. Swain has served the immunology community as a reviewer, Section Editor and Deputy Editor for *The Journal of Immunology*. Dr. Swain is a scientist scholar who has used her experience and accomplishments to lead the field.

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**AAI Excellence in Mentoring Award**
*In recognition of exemplary career contributions to a future generation of scientists*

**Jack L. Strominger, M.D.**
Dana-Farber Cancer Institute, Harvard Medical School

Dr. Strominger is renowned in the research community for his scientific accomplishments, but an equally enduring legacy is the cadre of trainees he has mentored. Dr. Strominger has trained over 150 scientists, many of whom are among today’s leading immunologists. His rigorous scientific standards—coupled with allowing his trainees exceptional freedom—created an extraordinary environment for producing successful scientists who are now, in turn, mentoring the next generation.

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**AAI-Invitrogen Meritorious Career Award**
*For outstanding research contributions to the field of immunology*

**Dan R. Littman, M.D., Ph.D.**
HHMI, New York University School of Medicine

Without Dr. Littman’s work, the field of immunology would look very different. During his postdoctoral fellowship his work was instrumental in the cloning of CD4 and CD8. In the laboratory of Art Weiss, he conducted research that led to identification of TH17 T cells. He continued a career that has included elucidating the intricacies of the CD4 and CD8 T cell lineage determination in the thymus; identifying the co-receptors for HIV on T cells (CD4) and macrophages (CCR5); describing the function of PKCθ in T cell activation; and more recently identifying RORγt as a master regulator of TH17 development. Dr. Littman has identified and defined critical areas of immunology that have been major advances in the field.

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The AAI Lifetime Achievement Award is the highest honor bestowed by the AAI Council upon an AAI member. The award will be presented by AAI President Betty Diamond on Saturday, May 8, prior to the start of the Distinguished Lecture.
AAI Award for Human Immunology Research
For significant and sustained achievement in immunology research pertinent to human disease pathogenesis, prevention, and therapy

Raif S. Geha, M.D.
Children's Hospital of Boston, Harvard Medical School

This award recognizes Dr. Geha for his pioneering research on primary immunodeficiencies, as well as his keen diagnostic abilities. Dr. Geha identified that CD40 ligation is necessary to cause isotype switching in human B cells and, following this finding, discovered that defective CD40 ligation is the cause of X-linked Hyper IgM. His laboratory also identified some of the key underlying genetics of Wiskott Aldrich Syndrome. Additionally, he developed the first model of atopic dermatitis in mice; described SLP-76 deficiency as a cause of severe combined immunodeficiency in mice; and identified mutations in the TACI gene as being responsible for causing common variable immunodeficiency and IgA deficiency. Dr. Geha’s contributions have been critically important in elucidating mechanisms of immune deficiency and advancing therapies.

AAI-BD Biosciences Investigator Award
For outstanding early-career research contributions to the field of immunology

Dr. Gregory M. Barton, Ph.D.
University of California, Berkeley

Dr. Barton has defined major areas of innate immunity, specifically in Toll-like receptor signaling. He has developed new and innovative techniques, such as retroviral transduction of siRNA that may well revolutionize the experimental methods used in immunology. Dr. Barton's ability to integrate diverse ideas and experimental approaches to answer fundamental questions promises to enrich the field of immunology.

AAI Distinguished Service Award
For dedication and exemplary service to the AAI Minority Affairs Committee

Gerald Sonnenfeld, Ph.D.
Binghamton University
State University of New York

Randy R. Brutkiewicz, Ph.D.
Indiana University School of Medicine

AAI is honoring Drs. Sonnenfeld and Brutkiewicz for their exemplary leadership of the AAI Minority Affairs Committee 2002–2005, and 2005–2009, respectively. As chair in 2002, Dr. Sonnenfeld energized the committee and established new programs for the AAI Committee member Dr. Brutkiewicz then took up the charge as chair after Dr. Sonnenfeld’s term ended and continued advancing the committee’s deep commitment to increasing the diversity of scientists in the field of immunology. For their leadership and service to the AAI community and the scientific field at large, AAI is pleased to present them with the 2010 Distinguished Service Award.

IMMUNOLOGY 2010™
May 7–11, 2010
Baltimore Convention Center
www.IMMUNOLOGY2010.org
Hiring Opportunities at IMMUNOLOGY 2010™

Are You Recruiting Talented Immunologists?

Take advantage of the unparalleled opportunity of recruiting from over 3,000 immunologists at all career stages in one place! AAI is offering career services to both job seekers and employers through a Jobs Board and Interview Service free to meeting registrants and exhibitors (www.immunology2010.org/Career Resources.htm).

Job Postings. Advertise your position on a virtual Jobs Board located on the IMMUNOLOGY 2010™ website. By including a contact email, you will receive inquiries directly.

- **Advance Postings.** Postings will be **accepted as of February 1 and will remain online until the end of the meeting.** To post job listings in advance of the meeting, contact Kira Gantt, Ph.D., Manager of Education and Career Programs, at kgantt@aai.org. Advance postings must be submitted to AAI by **May 4, 2010.**

- **Onsite Postings.** **After May 4, 2010,** employers wishing to advertise a job on the IMMUNOLOGY 2010™ website may still do so by visiting the AAI Office in Room 301 of the Baltimore Convention Center between 9:00 AM and 5:00 PM. You may also post a paper announcement on the bulletin board at the AAI Booth in the Exhibit Hall.

Interview Space. Private interview space will be available onsite to employers between 9:00 AM and 5:00 PM, Saturday, May 8 - Monday, May 10. Space will be allocated in one-hour blocks with a limit of two hours per employer. Employers are responsible for contacting applicants and making appointments.

- **Advance Reservations.** To sign up for the space prior to the meeting, contact Kira Gantt, Ph.D., at kgantt@aai.org.

- **Onsite Reservations.** The AAI Office staff will take reservations onsite on a space-available basis.

Take advantage of this hiring opportunity at IMMUNOLOGY 2010™. To register for the meeting, visit www.immunology2010.org/Registration.htm.
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 (June 26 - 28) is a detailed introduction to the basic principles of immunology and is suitable for students with a general biology background. Part II (June 29 - July 1) 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

- **Terri M. Laufer**, University of Pennsylvania School of Medicine
  - Welcome and Introduction to the Immune System
- **Sara Cherry**, University of Pennsylvania School of Medicine
  - Introduction to Innate Immunity
- **Judith A. Owen**, Haverford College
  - Introduction to Adaptive Immunity
- **David M. Allman**, University of Pennsylvania School of Medicine
  - Clonal Selection and V(D)J Recombination (B Cell Centric)
  - B Cell Activation and Memory Formation
- **Terri M. Laufer**, University of Pennsylvania School of Medicine
  - MHC Restriction and Thymic Selection
- **Laurence C. Eisenlohr**, Jefferson Medical College
  - Antigen Processing and Presentation
- **Julie Magarian Blander**, Mount Sinai School of Medicine
  - Dendritic Cells: The Bridge Between Innate and Adaptive Immunity
- **Gary A. Koretzky**, University of Pennsylvania School of Medicine
  - Signaling in the Immune System
- **Christopher A. Hunter**, University of Pennsylvania School of Veterinary Medicine
  - Cytokines
- **Michael P. Cancro**, University of Pennsylvania School of Medicine
  - Lymphocyte Homeostasis
- **Ronald N. Germain**, NIAID, NIH
  - Dynamic Intravital Imaging of the Immune System - Replacing Cartoons with Movies of the Real Thing
- **Andrew J. Caton**, The Wistar Institute
  - T and B Cell Tolerance
- **Juan J. Lafaille**, New York University School of Medicine
  - Autoimmunity
- **David Artis**, University of Pennsylvania School of Veterinary Medicine
  - Mucosal Immunology
- **Achsah D. Keegan**, University of Maryland School of Medicine
  - Type 2 Immune Responses and Asthma
- **Robert H. Vonderheide**, University of Pennsylvania School of Medicine
  - Tumor Immunology
- **Padmini Salgame**, University of Medicine and Dentistry of New Jersey
  - Immunity to Bacterial Pathogens
- **E. John Wherry**, The Wistar Institute
  - Immunologic Memory to Intracellular Pathogens
- **Phillip A. Scott**, University of Pennsylvania School of Veterinary Medicine
  - Immunity to Eukaryotic Parasites
- **David B. Weiner**, University of Pennsylvania School of Veterinary Medicine
  - Immunizations
- **Wayne W. Hancock**, Children’s Hospital of Philadelphia
  - Transplantation
- **Donata Vercelli**, University of Arizona College of Medicine
  - Genetic Approaches to Immune-Mediated Diseases
- **Jordan S. Orange**, Children’s Hospital of Philadelphia
  - Primary Immunodeficiencies
- **Susan B. Dillon**, Centocor, Inc.
  - Immunotherapies: From Lab to Clinic

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

For assistance, contact Kira Gantt at kgantt@aai.org or call (301) 634-7818.

Overseas applicants are advised to apply early for visas; for details, visit [www.aai.org/Courses/visainformation.htm](http://www.aai.org/Courses/visainformation.htm).

Financial support for underrepresented minority scientists is available through the FASEB MARC Program; for details, visit [http://marc.faseb.org/](http://marc.faseb.org/).
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

- **Yoji Shimizu**, University of Minnesota Center for Immunology
  *Welcome and Overview of the Course*

- **Marc K. Jenkins**, University of Minnesota Center for Immunology
  *Anatomy of the Immune System*

- **Stefanie N. Vogel**, University of Maryland, Baltimore
  *Innate Immunity*

- **Jeffrey S. Miller**, University of Minnesota Center for Immunology
  *NK Cells in Innate Immune Defense*

- **Andrea J. Tenner**, University of California, Irvine
  *The Complement Cascade*

- **Gwendalyn J. Randolph**, Mount Sinai School of Medicine
  *Integration of Innate and Adaptive Immunity: The DC*

- **Barry P. Sleckman**, Washington University School of Medicine
  *The Generation and Modification of Lymphocyte Antigen Receptor Genes*

- **Michael A. Farrar**, University of Minnesota Center for Immunology
  *B Cell Development*

- **Kristin A. Hogquist**, University of Minnesota Center for Immunology
  *T Cell Development*

- **David Masopust**, University of Minnesota Center for Immunology
  *Mucosal Immunity*

- **Andrea J. Sant**, University of Rochester Medical Center
  *MHC-Restricted Antigen Presentation to T Cells*

- **Stephen C. Jameson**, University of Minnesota Center for Immunology
  *Lymphocyte Memory*

- **Christopher A. Hunter**, University of Pennsylvania School of Veterinary Medicine
  *Immune Response to Pathogens*

- **Yoji Shimizu**, University of Minnesota Center for Immunology
  *Trafficicking*

- **Bryce A. Binstadt**, University of Minnesota Center for Immunology
  *T Cell Tolerance and Autoimmunity*

- **Mark J. Shlomchik**, Yale University School of Medicine
  *B Cell Tolerance and Autoimmunity*

- **Daniel D. Billadeau**, Mayo Clinic College of Medicine
  *Immune Receptor Signaling*

- **Anita S. Chong**, University of Chicago
  *Immunobiology of Transplantation*

- **Hirohito Kita**, Mayo Clinic College of Medicine
  *Asthma and Allergy*

- **Matthew F. Mescher**, University of Minnesota Center for Immunology
  *Tumor Immunology*

- **Joanne L. Viney**, Amgen, Inc.
  *Immunotherapeutics*

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

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The mission of The American Association of Immunologists (AAI) is to advance knowledge of immunology and related disciplines, foster interchange of ideas and information among scientists, and promote understanding of the field of immunology.

REGULAR MEMBERSHIP BENEFITS

- Membership in the largest and most prestigious professional association of immunologists in the world
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- Voting privileges in AAI elections and actions
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To obtain additional information, please contact:
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9650 Rockville Pike, Bethesda, MD 20814-3994
Phone: 301-634-7195 • Fax: 301-634-7733
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The mission of The American Association of Immunologists (AAI) is to advance knowledge of immunology and related disciplines, foster interchange of ideas and information among scientists, and promote understanding of the field of immunology.

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- Membership in the largest and most prestigious professional association of immunologists in the world
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- Reduced registration fees to the AAI Introductory and Advanced Immunology Courses
- A subscription to The Journal of Immunology (print and/or online) and access to the full digital archive
- A subscription to the AAI Newsletter
Get a GRIP: An AAI program designed to help new investigators prepare their NIH grant proposals

AAI is pleased to offer a program to match new PI’s with established PI’s who have significant, successful grant writing careers. The Grant Review for Immunologists Program (GRIP) invites new PI’s to submit an outline or NIH-style abstract to the GRIP coordinator who, with the assistance of a small volunteer subcommittee, will attempt to match the topic of the proposal with the research experience of an established PI. Matches will be made as quickly as possible to allow new PI’s to meet upcoming NIH grant deadlines. Participation is strictly voluntary and is not intended to supplant internal mentoring programs.

GRIP is now accepting both new PI and established PI participants. Please send your CV and a brief description of either your potential research project (new PI’s) or grant reviewing experience (established PI’s) to infoaai@aai.org (please write “GRIP” in the subject line).

Program details at www.aai.org/GRIP_rd.htm

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