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In the data shown, unpulsed and BrdU-pulsed Jurkat cells were analyzed to show that the BD Pharmingen™ FITC BrdU flow kit combined with the BD BrdU FITC assay can be used as a quick and easy way to assess the cell cycle. The assay can also be customized for advanced dose response and time course experiments with a simple click. Download a free application note and learn more about BD FACSuite predefined assays for apoptosis, cell cycle, cell proliferation, and cytokine detection at bdbiosciences.com/go/verse.

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Arthur Weiss Honored with AAI Lifetime Achievement Award

Arthur Weiss, M.D., Ph.D., HHMI, University of California, San Francisco, (UCSF), has been named recipient of the 2012 AAI Lifetime Achievement Award in recognition of a career of extraordinary scientific accomplishment as well as outstanding leadership and service to AAI. This award is the highest honor bestowed by the AAI Council upon an AAI member.

Weiss has contributed seminal work on the signal transduction events that control T lymphocyte responses. His laboratory has elucidated mechanisms through which T cell antigen receptors initiate responses and demonstrated how deficiencies in these mechanisms can lead to diseases, including autoimmunity and leukemia.

Weiss has been an AAI member since 1981. He was elected to AAI Council in 2003 and served as AAI president from 2008 to 2009. In addition to his service on the AAI Council, Weiss has served as an associate editor for The Journal of Immunology, an abstract programming chair for the AAI annual meeting, and a member of the Nominating Committee. He has been a frequent speaker at the AAI annual meetings, including being selected as a Distinguished Lecturer in 1997. Weiss has served as a faculty member at the AAI summer courses and a delegate to the International Union of Immunological Societies. Weiss previously received the AAI Junior Investigator Award (1993) and the AAI-Huang Foundation Meritorious Career Award (2001) in recognition of his consistently outstanding contributions to the field of immunology.

Weiss received his Ph.D. in immunology and M.D. from the University of Chicago in 1978 and 1979, respectively. Following a postdoctoral fellowship at the Swiss Institute for Experimental Cancer Research in Lausanne, Switzerland, Weiss moved to UCSF to complete his training. In 1985, he joined the faculty of UCSF and was also made an investigator of the Howard Hughes Medical Institute the same year. He is the Ephraim P. Engleman Distinguished Professor of Rheumatology at UCSF. Weiss was elected a member of the Institute of Medicine of the National Academy of Sciences in 2004.

In addition to these honors, Weiss has received the Lee C. Howley Senior Prize for Research in Arthritis from the National Arthritis Foundation and the Distinguished Investigator Award from the American College of Rheumatology. He is an elected fellow of the American Academy of Arts and Sciences and the American Academy of Microbiology. He currently serves on the editorial boards of Cell and Immunological Reviews and has held editorial positions at The Journal of Immunology, Science, The Journal of Clinical Investigation, The Journal of Experimental Medicine, and Immunity, among others.

Dr. Weiss’s career exemplifies the dedication to science and service honored by the AAI Lifetime Achievement Award.

The AAI Lifetime Achievement Award is given annually in recognition of distinguished scientific accomplishment and extraordinary service to AAI.

AAI Excellence in Mentoring Award

Max D. Cooper, M.D., Emory University School of Medicine, is the recipient of the 2012 AAI Excellence in Mentoring Award. Cooper is well known for his groundbreaking discoveries in immunology. Among his earliest findings were the identification and characterization of B and T lymphocytes in chickens, which he then utilized to classify human immunodeficiencies. He has continued to be on the leading edge of immunological research, as exemplified by his more recent discoveries of a large family of immunoglobulin-like receptor glycoproteins and a new system of antigen recognition molecules in jawless vertebrates.

Cooper is also renowned for having trained an impressive number of scientists who are now successful “second generation” investigators. His 134 trainees span the globe. Some 34 of them have professor-equivalent academic appointments, whereas many others are influential in clinical, biotechnology, and pharmaceutical settings. Cooper’s first trainee, Paul W. Kincade, vice president of research at the Oklahoma Medical Research Foundation, refers to him as “the most optimistic person I have ever known, and [his optimism] is infectious.” According to Kincade, Cooper “establishes well-defined relationships with his trainees,” respecting but challenging their ideas, allowing an exceptional amount of academic freedom. “I cannot remember his ever saying no to an experiment. We would heatedly debate their potential merit, but I was left to decide what action to take,” recalls Kincade.

Kelly M. McNagny, professor at the University of British Columbia, speaks of the long-lasting nature of his training relationship with Cooper, stating, “I still regularly consult him for advice and career moves because, despite having interacted with countless other highly successful scientists since my studies with Max, I honestly have not found a more exemplary scientific role model.”

It is fitting that Cooper’s remarkable record of mentorship over the past four decades be recognized with the 2012 AAI Excellence in Mentoring Award.

Cooper obtained his medical degree and completed his residency at Tulane University. Following an assistant professor appointment at the University of Minnesota, he spent 40 years at the University of Alabama, Birmingham, joining the faculty in 1967 and holding the rank of professor in four departments—pediatrics, microbiology, medicine, and immunology. It is fitting that Cooper’s remarkable record of mentorship over the past four decades be recognized with the 2012 AAI Excellence in Mentoring Award.

Continued next page
and pathology—at his departure in 2008. He currently serves as professor of pathology and laboratory medicine at the Emory University School of Medicine, professor at the Emory Vaccine Center, a scientist at the Emory Center for AIDS Research, and a Georgia Research Alliance Eminent Scholar.

Cooper is a member of the Institute of Medicine of the National Academy of Sciences and an elected fellow of the American Academy of Arts and Sciences and the American Association for the Advancement of Science. Other prestigious awards and honors he has received in recognition of his scientific accomplishments include the AAI Lifetime Achievement Award (2000), the AAI-Dana Foundation Award for Human Immunology Research (2006), the Santoz Prize for Immunology, the American College of Physicians Science Award, the Avery-Landsteiner Prize, and the Robert Koch Award.

A member of AAI since 1966, Cooper was elected to the AAI Council in 1983 and served as president from 1988 to 1989. Cooper has served as chair of the Nominating Committee, in an editorial capacity for *The Journal of Immunology*, and as a frequent speaker at AAI annual meetings.

The AAI Excellence in Mentoring Award is presented annually in recognition of exemplary career contributions to a future generation of scientists.

**John Atkinson Receives AAI Award for Human Immunology Research**

**John P. Atkinson**, M.D., Washington University School of Medicine, has been selected to receive the 2012 AAI Award for Human Immunology Research. This award is given in recognition of Atkinson’s pioneering work on complement biology and inflammation. Complement was initially appreciated only as a protease cascade in the fluid phase, a dogma which Atkinson challenged in the 1980s with his identification of membrane cofactor protein (MCP) and other membrane-bound complement-binding proteins. His subsequent research established the physiological relevance of MCP and other members of the regulators of complement activation (RCA) family in regulating complement activation and forms the foundation of our present understanding that these proteins protect our cells from autologous complement activation. Further, the findings of Atkinson’s laboratory have been pivotal to the elucidation of the role of these complement receptors in human disease pathogenesis, with the identification of MCP as a receptor for numerous pathogens and the description of mutations in complement proteins in hemolytic uremic syndrome, among others. His work has also provided the foundation for new discoveries in the age of genomics, for example, the identification of the role of complement in age-related macular degeneration, a leading cause of blindness.

“As a true human immunologist, Dr. John Atkinson embodies the promise of basic immunology as a fundamental medical science,” says Andrew C. Chan, senior vice president-research biology at Genentech, Inc. Chan, a former trainee in the laboratory of Atkinson, expounds, “His discoveries are being translated to human disease, not only to permit a molecular and mechanistic understanding of disease pathogenesis, but also into therapies to help patients, an extremely difficult task for human immunologists.”

Atkinson earned his M.D. from Kansas University in 1969. Following a residency at Massachusetts General Hospital and work as a clinical associate and staff fellow at the Laboratory of Clinical Investigation, NIH, he moved in 1976 to the Washington University School of Medicine, where he now serves as Samuel B. Grant Professor of Medicine, acting chief of the Division of Rheumatology, and professor of molecular microbiology. He was a Howard Hughes Medical Institute investigator from 1976 to 1992.

Atkinson is a member of the Institute of Medicine of the National Academy of Sciences. He has been elected a fellow for both the American College of Physicians and American Association for the Advancement of Science.

Among his many awards are the Lee C. Howley Senior Prize for Research in Arthritis from the National Arthritis Foundation and the American College of Rheumatology Distinguished Investigator and Master Awards.

Since joining AAI in 1975, Atkinson has served AAI and the immunology community as an associate editor and section editor for *The Journal of Immunology*. He also has been an abstract programming chair and Major Symposium speaker at the AAI annual meeting.

The AAI Award for Human Immunology Research is presented annually for significant, sustained achievement in immunology research pertinent to human disease pathogenesis, prevention, and therapy.

**AAI-Life Technologies Meritorious Career Award Conferred upon Peter Cresswell**

**Peter Cresswell**, Ph.D., FRS, HHMI, Yale School of Medicine, is being honored with the 2012 AAI-Life Technologies Meritorious Career Award. Cresswell has made seminal contributions to the field of immunology in the area of antigen processing and presentation, from his discovery of the role of the invariant chain in MHC Class II-restricted antigen processing to his identification of a cellular mechanism for cross-presentation by MHC Class I molecules. In addition to his work on presentation by classical MHC molecules, his findings have advanced the understanding of the assembly of CD1 lipid complexes for presentation to natural killer T (NKT) cells.
Cresswell’s tremendous body of work, reflected in over 250 primary research articles, forms the basis for much of our present comprehension of antigen processing. “It would be impossible to find an immunology textbook in which Cresswell’s discoveries do not constitute a large part of the descriptions in the chapters on antigen processing and presentation,” says Richard A. Flavell, chairman of the Department of Immunology at Yale School of Medicine. “He has not only identified many of the proteins involved in these pathways but also determined the biochemical and cellular mechanisms by which such proteins participate in processing of antigens for presentation,” according to Flavell.

While Cresswell’s discoveries have provided a better understanding of basic immunology, they have also elucidated mechanisms of innate antiviral defense. For example, his work has demonstrated a viral evasion pathway utilized by herpes simplex virus 1 and shown antiviral activity by the interferon-inducible protein viperin.

Cresswell received his Ph.D. from London University in 1971 and continued his training as a postdoctoral fellow in the laboratory of Jack Strominger at Harvard University. In 1974, he was appointed to the faculty of Duke University, where he rose through the ranks to become full professor in 1985 and chief of the Division of Immunology in 1989. He was recruited to Yale University in 1991 and was named a Howard Hughes Medical Institute investigator. Since 2008, he has been Eugene Higgins Professor of Immunobiology at Yale.

Among his many honors are his designations as a fellow of the Royal Society, a fellow of the American Academy of Arts and Sciences, and a member of the Institute of Medicine of the National Academy of Sciences. In addition to these honors, Cresswell has received the Rose Payne Award from the American Society for Histocompatibility and Immunogenetics and the Royal Society Buchanan Medal.

A member of AAI since 1976, Cresswell has served as a section editor for The Journal of Immunology, has been a Distinguished Lecturer at the AAI annual meeting, and has served on the AAI Nominating Committee, Program Committee, and Awards Committee.

The AAI-Life Technologies Meritorious Career Award is given annually for outstanding research contributions to the field of immunology.

Shane Crotty Presented with the AAI-BD Biosciences Investigator Award

Shane Crotty, Ph.D., La Jolla Institute for Allergy and Immunology (LIAI), will receive the 2012 AAI-BD Biosciences Investigator Award. Crotty has vigorously pursued several lines of inquiry in the areas of immunity to vaccines and development of immunological memory. He has made seminal observations on the development of T follicular helper (Tfh) cells, identifying Bc16 as a master regulator transcription factor and detailing the importance of dendritic cells, B cells, inducible costimulator (ICOS) receptor, and interleukin-2 in Tfh cell differentiation. “Shane continues to be a pathfinder and a recognized authority in the burgeoning group of investigators studying Tfh cells,” says Amnon Altman, director of scientific affairs, La Jolla Institute for Allergy and Immunology. Throughout his career, Crotty has researched projects of basic and mechanistic immunology simultaneously with more translational studies, a dichotomy that is a unique feature of his research, according to Altman.

Crotty began his current research as a postdoctoral fellow in the lab of Rafi Ahmed, director of the Vaccine Center at Emory University. There, he demonstrated the long-lived humoral response to vaccination against smallpox virus, in the process developing the “Crotty assay,” a human memory B cell assay now used by other investigators. “Shane can be very creative about experimental approaches, which is clearly one of the reasons for his success as a scientist,” Ahmed says. Ahmed recalls the genesis of the Crotty assay: Upon finding that commercially available pokeweed mitogen extract lacked the desired memory B cell-stimulating activity he had detected in older but scarce PWM [pokeweed mitogen] vials at Emory, Crotty scouted for sites at Emory to produce its function in the formation of Tfh cells and starting a very active line of research that has continued in his independent work as a faculty member at LIAI.

Crotty earned his Ph.D. from the University of California, San Francisco, in 2001. Following a postdoctoral fellowship at Emory University, he was appointed to a faculty position at LIAI in 2003, where he now holds the position of associate professor. Crotty earned his undergraduate degree at MIT with dual majors in biology and writing and the distinction of having his senior writing project, a biography of David Baltimore, published by the University of California Press. According to Altman, Crotty has put his writing talent to good use at LIAI, “writing about our science for the public…[initiating] broad ranging collaborations with many UCSD and LIAI colleagues, and…[co-authoring] publications with eight [other] of our faculty members.” Crotty has more than 50 publications to his credit, many in the most prestigious journals, including The Journal of Immunology, Science, and Annual Review of Immunology. He co-wrote the “Immunological Memory” chapter of the newest Fundamental Immunology.

An AAI member since 2004, Crotty has previously been recognized for his scientific accomplishments by being appointed a permanent member of the NIH Immunity and Host Defense Study Section, being named a Pew Scholar in the Biomedical Sciences, and receiving the Cancer Research Institute Young Investigator Award and the 2007 AAI Pfizer-Showell Award.

The AAI-BD Biosciences Investigator Award is presented annually for outstanding, early-career research contributions to the field of immunology.
2012 AAI Distinguished Service Award Winners Announced

For their outstanding service to the AAI community and the immunology field as a whole, AAI is pleased to present Brian Cobb, William Green, and John Schreiber with the 2012 AAI Distinguished Service Award.

Brian A. Cobb, Ph.D.
Case Western Reserve University School of Medicine

Brian A. Cobb, AAI ’06, has provided immeasurable service to AAI as director of the AAI High School Teachers Summer Research Program from 2007 to 2012. During his tenure, he solicited and reviewed applications from teachers, matched teachers with AAI member mentors for their summer research experiences, provided mentorship to teachers in their development of curricula, and chaired the educational session at the AAI annual meeting that highlights the teachers’ curricula. He has also shown his commitment to educational initiatives through his past service on the AAI Education Committee (2007–2010).

Cobb received his Ph.D. from Washington University in 2001. He continued his training at Harvard Medical School as a postdoctoral fellow in the laboratory of Dennis Kaspar. In 2005, Cobb was appointed to his current position of assistant professor of pathology at Case Western Reserve University School of Medicine. He previously was honored with the AAI Pfizer-Showell Award (2009) and the American Asthma Foundation Early Excellence Award.

William R. Green, Ph.D.
Dartmouth Medical School

William R. Green, AAI ’80, has provided vital leadership to AAI in his service on the AAI Committee on Public Affairs from 2004 to 2009, the last two years as chair. During his tenure as chair, he led the organization’s advocacy for increased NIH funding by describing the impact of investing in biomedical research on improving individual and global health and stimulating economic activity and job creation. After NIH received an additional $10 billion through The American Recovery and Reinvestment Act (ARRA), Green advised NIH on how best to use the funds and alerted Congress to the deleterious effect on researchers and research of any post-ARRA reduction in funding. He also led AAI efforts to comment on proposed changes to the NIH peer-review system and presided over the launch of an important new program, the AAI Research Advocacy Program, which enables policy leaders from relevant patient-advocacy organizations to learn about basic immunology, to meet leading researchers, to connect with young investigators, and to learn about public policy issues of concern to AAI. Green has also served as an associate editor for The Journal of Immunology.

Green earned his Ph.D. in microbiology and immunology from Case Western Reserve University in 1977. Following postdoctoral fellowships at Johns Hopkins University and the Fred Hutchinson Cancer Research Center, he remained at Fred Hutchinson as a research associate and later assistant member in the Basic Immunology Program. In 1983, he joined the faculty of Dartmouth Medical School, where he served as dean from 2008 through 2010. He is currently professor and chair of the Department of Microbiology and Immunology.

John R. Schreiber, M.D., M.P.H.
Tufts University School of Medicine

John R. Schreiber, AAI ’91, has provided essential service to AAI during his tenure on the AAI Committee on Public Affairs (CPA) from 2005 to 2011. As chair of the committee from 2009 to 2011, he led the committee during a period of prolific legislative, regulatory, and program activity, providing strong congressional advocacy for sustained NIH funding for biomedical research in the face of a potentially significant reduction. In addition, Schreiber led AAI communications with NIH on several important matters, including changes to the peer review system and the proposed establishment of the National Center for Advancing Translational Sciences and the Cures Acceleration Network. Under his leadership, AAI also launched two successful new efforts: the CPA NewsBrief e-newsletter and the AAI Public Policy Fellows Program. Prior to his tenure on the AAI Committee on Public Affairs, Schreiber served on the AAI Education Committee (1998–2004). Schreiber previously was honored with the AAI Distinguished Service Award (2004) for his efforts in directing and promoting the AAI High School Teachers Program.

Schreiber obtained his M.P.H. and M.D. from Tulane University in 1979 and 1980, respectively. He served on the faculties of Albany Medical College, Case Western Reserve University School of Medicine, and University of Minnesota Medical School before moving to Tufts University in 2007. He holds the positions of David and Leona Karp Professor and chairman of the Department of Pediatrics, Tufts University School of Medicine, and chief administrative officer and pediatrician—chief of the Floating Hospital for Children at Tufts Medical Center.
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Boylston Hallway  |  Friday, May 4, 2012  |  6:00 PM – 8:00 PM
OPEN TO ALL IMMUNOLOGY 2012™ ATTENDEES!
AAI President’s Address
FRIDAY, MAY 4, 5:00 PM, BALLROOM A–C
Leslie J. Berg, University of Massachusetts Medical School, AAI President
Signaling pathways that regulate T cell development and differentiation

Presentation of AAI Lifetime Achievement Award
FRIDAY, MAY 4, 5:00 PM, BALLROOM A–C
Chair: Leslie J. Berg, University of Massachusetts Medical School, AAI President
Award Recipient: Arthur Weiss, M.D., Ph.D., HHMI, University of California, San Francisco

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 the AAI President’s Address.

AAI Excellence in Mentoring Award Presentation
MONDAY, MAY 7, 3:30 PM, BALLROOM A–C
Chair: Leslie J. Berg, University of Massachusetts Medical School, AAI President
Award Recipient: Max D. Cooper, M.D., Emory University School of Medicine
The AAI Excellence in Mentoring Award recognizes 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
T Cell Signaling: From Molecules to Man
MONDAY, MAY 7, 3:30 PM, BALLROOM A–C
Chair: Leslie J. Berg, University of Massachusetts Medical School, AAI President
Speakers:
Amy H. Andreotti, Iowa State University
Signaling through the Tec family kinases: how do these molecules work?
Lawrence E. Samelson, NCI, NIH
TCR-mediated signaling
Pamela L. Schwartzberg, NHGRI, NIH
Understanding the pathogenesis of primary immunodeficiencies using model systems
Mark M. Davis, HHMI, Stanford University
The coming (second) golden age of human immunology

AAI Distinguished Lectures
SATURDAY, MAY 5, 5:30 PM
BALLROOM A–C
Anne O’Garra, MRC National Institute for Medical Research
Regulation of the immune response in tuberculosis: from mouse models to human disease

SUNDAY, MAY 6, 5:30 PM
BALLROOM A–C
Vijay K. Kuchroo, Brigham and Women’s Hospital, Harvard Medical School
Transcriptional regulation of Tregs and Th17 cells

MONDAY, MAY 7, 5:30 PM
BALLROOM A–C
David H. Raulet, University of California, Berkeley
Innate natural killer receptors and their ligands: regulation in cancer, infection, inflammatory disease, and steady state
Given the central role of T cells in adaptive immune responses, their mechanisms of activation have been a topic of intense investigation for many decades. Along the way, key discoveries have propelled the field forward, including the descriptions of the T cell antigen receptor signaling complex and the main biochemical changes induced by T cell activation; the identification, regulation, and visualization of intracellular T cell signaling proteins; and the experiments addressing the importance of each component of these pathways for the overall immune response in intact animals.

The most striking feature of the progress in this field has been the integration of information from nearly every component of the system. From single molecule imaging to intravital microscopy and from structural biology to knockout mice, fundamental aspects of T cell regulation have been dissected and analyzed and then reconstructed to generate our overall view of T cell activation and function.

One major challenge for the future will be the application of this knowledge and technical expertise to develop a more comprehensive understanding of the human immune system.

The speakers in this symposium represent the spectrum of cutting-edge approaches to studying T cell activation and signaling, from molecules to man.

Amy Andreotti: Amy is a structural biologist who has devoted her research efforts to understanding the intramolecular mechanisms regulating tyrosine kinase activity in T cells. Much of her work has focused on the Tec family of tyrosine kinases and how the three-dimensional structure of these enzymes changes following phosphorylation, substrate binding, and subcellular relocalization to ensure proper turning on and turning off of kinase activity.

Lawrence Samelson: Larry has had a long-standing interest in TCR signaling since his early studies characterizing the TCR/CD3 complex and demonstrating the earliest biochemical events following TCR/CD3 stimulation. His work has played a central role in elucidating the membrane-proximal steps of the TCR signaling pathway, including the identification of the important adapter protein, LAT. Currently, he aims to integrate the biochemistry of T cell signaling with subcellular imaging to provide spatial and temporal resolution of the activation process.

Pamela Schwartzberg: One of the first investigators to use gene-targeting technology to probe immunological systems, Pam's work has been focused on generating mouse models of human immunodeficiency diseases. These studies have provided important tools to ascertain the individual molecular and cellular components contributing to disease pathogenesis and have led to key insights regarding the functions of Tec family tyrosine kinases and the SLAM family of receptors in lymphocytes.

Mark Davis: Since his pioneering work on the TCR genes, Mark has been at the forefront of efforts to understand how TCR binding to varying MHC/peptide ligands results in the entire panoply of T cell responses. With the use of biochemical, structural, and single cell imaging techniques, Mark has focused on understanding the fundamental aspects of T cell antigen recognition, a hallmark of the adaptive immune response. More recently, he has applied his strength in innovative technologies to develop novel approaches to investigating the human immune system.
IMMUNOLOGY 2012™
OPENING NIGHT WELCOME RECEPTION
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FRIDAY, MAY 4, 2012, 6:00 PM – 8:00 PM
Boylston Hallway, Hynes Convention Center
Come directly from the President’s Address into the majestic glass loggia of the Hynes Convention Center to seek out old friends and make new acquaintances at the Opening Night Welcome Reception. The reception is generously supported by eBioscience to welcome you and wish you a pleasurable, productive week.

PRESIDENT’S SERVICE APPRECIATION RECEPTION
Generously sponsored by BioLegend
SATURDAY, MAY 5, 2012
7:00 PM – 9:30 PM
At this important event, AAI leadership honors the association’s dedicated member volunteers—the committee members, editors, mentors, instructors, and others—who work on the membership’s behalf throughout the year by giving generously of their time in support of the AAI mission. Open to 2011–2012 AAI volunteers. Event by invitation only.

AAI NEW MEMBER RECEPTION
FRIDAY, MAY 4, 4:00 PM – 4:45 PM
AAI wishes to welcome new Regular and Trainee members joining AAI for the first time. AAI President Leslie Berg and other AAI leaders look forward to meeting you personally. Please join us for light refreshments and casual conversation. Event by invitation only.

IMMUNOLOGY 2012™ GALA “CASINO NIGHT IN BACK BAY”
Generously sponsored by BioLegend
SUNDAY, MAY 6, 2012, 7:00 PM – 10:00 PM
Sheraton Boston Hotel, Grand Ballroom
Everyone’s a winner at Casino Night in the Back Bay! There, you and your most circumspect colleagues can throw caution to the wind and revel in one another’s encounters with Lady Luck. It’s your risk-free opportunity to “go for broke” and hone your gambling skills, moving from table to table for Black Jack, Roulette, Texas Hold ‘Em, Craps, Slots, and more. When your chips are gone, continue the fun at the photo booths or on the karaoke stage performing your favorite song!
Saturday, May 5, 2012, 8:00 AM – 11:30 AM

**Major Symposium A: Developing Immunological Memory to Infection**

**BALLROOM B**

**Chairs:**
- Susan M. Kaech, Yale University
- Patrick C. Wilson, University of Chicago

**Speakers:**
- Ulrich H. von Andrian, Harvard Medical School  
  NK cell memory
- Susan M. Kaech, Yale University  
  Transcriptional programs in memory CD8 T cells
- Marc K. Jenkins, Center for Immunology, University of Minnesota Medical School  
  Origins of CD4+ memory T cells
- Patrick C. Wilson, University of Chicago  
  Human B cell memory to influenza
- Susan Moir, NIAID, NIH  
  B cell abnormalities in HIV infection: impact on immunologic control of viral replication
- Nicole Baumgarth, University of California, Davis  
  Long-lasting tissue-restricted B cell memory in the respiratory tract

Sunday, May 6, 2012, 8:00 AM – 11:30 AM

**Major Symposium C: Innate Lymphoid Cells Back Up the Barriers**

**BALLROOM B**

**Chairs:**
- Richard M. Locksley, HHMI, University of California, San Francisco
- Hergen Spits, Academic Medical Center, University of Amsterdam

**Speakers:**
- Shigeo Koyasu, Keio University School of Medicine  
  Natural helper cells and Th2-type innate immunity
- Richard M. Locksley, HHMI, University of California, San Francisco  
  Innate helper type-2 cells: the missing piece in allergic immunity?
- Hergen Spits, Academic Medical Center, University of Amsterdam  
  Emerging insights in the function and development of human innate lymphoid cells
- Daniel J. Cua, Merck Research Laboratories  
  Regulation of innate lymphoid cells
- Wenjun Ouyang, Genentech, Inc.  
  The regulation and function of IL-22 from ILC
- Troy D. Randall, University of Alabama, Birmingham  
  The role of IL-17 and innate lymphoid cells in the development of ectopic follicles

**Major Symposium D: Differentiation and Plasticity of Cells of the Monocyte-Macrophage Lineage**

**BALLROOM A**

**Chairs:**
- Catherine C. “Lynn” Hedrick, La Jolla Institute for Allergy and Immunology
- Alberto Mantovani, University of Milan Istituto Clinico Humanitas

**Speakers:**
- Catherine C. “Lynn” Hedrick, La Jolla Institute for Allergy and Immunology  
  Nuclear receptors in monocyte and macrophage development
- Alberto Mantovani, University of Milan Istituto Clinico Humanitas  
  Macrophage plasticity and polarization
- Thomas A. Wynn, NIAID, NIH  
  Macrophages in chronic inflammation and fibrosis
- Judith E. Allen, University of Edinburgh  
  The many faces of Th2-activated macrophages
- Stefanie N. Vogel, University of Maryland, Baltimore  
  Host macrophage responses to infection
- Subhra K. Biswas, Singapore Immunology Network (SIgN)  
  Polarized response of monocytes and macrophages in inflammation and cancer
- Alberto Mantovani, University of Milan Istituto Clinico Humanitas  
  Macrophage plasticity and polarization
Monday, May 7, 2012, 8:00 AM – 11:30 AM

**Major Symposium E: Building a Functional Immune System**
**BALLROOM B**

**Chairs:**
Avinash Bhandoola, University of Pennsylvania Medical School
Ananda W. Goldrath, University of California, San Diego

**Speakers:**
Avinash Bhandoola, University of Pennsylvania Medical School
Establishing T cell identity
Stephen T. Smale, University of California, Los Angeles
Analysis of lymphocyte development by targeted mutagenesis of individual zinc fingers of Ikaros
Barbara L. Kee, University of Chicago
Transcriptional mechanisms in natural killer cell development and activation
Derek B. Sant’Angelo, The Child Health Institute, UMDNJ-RWJMS
Transcriptional control of innate T cell development
Ananda W. Goldrath, University of California, San Diego
Transcriptional control of CD8 memory formation
Daniel J. Campbell, Benaroya Research Institute
Control of regulatory T cell homeostasis and function

Tuesday, May 8, 2012, 8:00 AM – 11:30 AM

**Major Symposium F: Recent Advances in Lung Immunology: Novel Targets for Lung Disease**
**BALLROOM A**

**Chairs:**
Jay K. Kolls, University of Pittsburgh School of Medicine
David S. Wilkes, Indiana University School of Medicine

**Speakers:**
Jay K. Kolls, University of Pittsburgh School of Medicine
Why do we have Th17 cells in the lung?
Marsha Wills-Karp, Johns Hopkins Bloomberg School of Public Health
Mechanisms of severe asthma
Anne I. Sperling, University of Chicago
Augmentation of Th2-mediated lung inflammation
Wonder Drake, Vanderbilt University School of Medicine
IL-2 dysregulation drives sarcoidosis disease progression
Dale T. Umetsu, Children’s Hospital Boston, Harvard Medical School
Innate lymphoid cells respond to viral infection in the lung
David S. Wilkes, Indiana University School of Medicine
IL-17 and pulmonary fibrogenesis

**Major Symposium G: Mucosal Immunity and the Microbiome**
**BALLROOM B**

**Chairs:**
Alexander V. Chervonsky, University of Chicago
Dana J. Philpott, University of Toronto

**Speakers:**
Dana J. Philpott, University of Toronto
Nod proteins in gut homeostasis and inflammation
Eric G. Pamer, Memorial Sloan-Kettering Cancer Center
Impact of antibiotics on the microbiota and mucosal immunity
Nita H. Salzman, Medical College of Wisconsin
Paneth cell defensins and the regulation of intestinal homeostasis
Richard A. Flavell, HHMI, Yale School of Medicine
Inflammation and homeostasis in the intestine and beyond
Tatyana Golovkina, University of Chicago
Commensal bacteria and retroviruses
Peter J. Turnbaugh, Harvard University Center for Systems Biology
A microbial view of nutrition and drug metabolism

**Major Symposium H: Stromal Cells for Immune Cell Development and Function**
**BALLROOM A**

**Chairs:**
Yousuke Takahama, University of Tokushima
Jennifer L. Gommerman, University of Toronto

**Speakers:**
Bruno Kyewski, German Cancer Research Center (DKFZ)
Generating intrathymic self-antigen diversity for central tolerance
Graham Anderson, MRC Centre for Immune Regulation, University of Birmingham
Lymphostromal interactions in thymus medulla formation
Yousuke Takahama, University of Tokushima
Thymic cortical epithelial cells for T cell repertoire formation
Shannon J. Turley, Dana-Farber Cancer Institute, Harvard Medical School
New roles for lymph node stroma in regulating adaptive immunity
Theresa T. Lu, Hospital for Special Surgery and Weill Cornell Medical College
Regulation of vascular-stromal growth and function
Jennifer L. Gommerman, University of Toronto
Lymphotoxin-dependent stromal cell niches that support immune responses
AAI Award for Human Immunology Research Presentation and Lecture
SATURDAY, MAY 5, 1:30 PM – 2:30 PM, BALLROOM A-C
Chair: Leslie J. Berg
University of Massachusetts Medical School, AAI President
Award Recipient: John P. Atkinson, M.D.
Washington University School of Medicine
The complement system and human disease: the consequences of too little or too much
AAI President Leslie J. Berg will introduce the awardee and present the award immediately prior to Dr. Atkinson’s lecture.

AAI-BD Biosciences Investigator Award Presentation and Lecture
GENERALLY SPONSORED BY BD BIOSCIENCES, INC.
SATURDAY, MAY 5, 4:00 PM – 5:00 PM, BALLROOM A-C
Chair: Leslie J. Berg
University of Massachusetts Medical School, AAI President
Award Recipient: Shane Crotty, Ph.D.
La Jolla Institute for Allergy and Immunology
Transcriptional regulation of follicular helper CD4 T (Tfh) cell differentiation
AAI President Leslie J. Berg and BD Biosciences Vice President of Biological Sciences Robert Balderas will introduce the awardee and present the award immediately prior to Dr. Crotty’s lecture.

AAI-LIFE TECHNOLOGIES Meritorious Career Award Presentation and Lecture
GENERALLY SPONSORED BY LIFE TECHNOLOGIES CORPORATION
SUNDAY, MAY 6, 4:00 PM – 5:00 PM, BALLROOM A-C
Chair: Leslie J. Berg
University of Massachusetts Medical School, AAI President
Award Recipient: Peter Cresswell, Ph.D., FRS
HHMI, Yale School of Medicine
Molecular and cellular mechanisms that regulate antigen processing
AAI President Leslie J. Berg and Life Technologies Corporation Senior Market Development Manager Jeffrey Croissant will introduce the awardee and present the award immediately prior to Dr. Cresswell’s lecture.

AAI BUSINESS MEETING AND AWARDS PRESENTATIONS
MONDAY, MAY 7, 11:30 AM – 1:00 PM, ROOM 309
This session will include the annual report to AAI members on AAI and The Journal of Immunology business affairs and will feature special 2012 AAI awards presentations and acknowledgements. Refreshments will be provided.

AAI Distinguished Service Award Recipients
Brian A. Cobb, Ph.D.
Case Western Reserve University School of Medicine
For outstanding service to AAI and the immunology community as director of the AAI High School Teachers Summer Research Program, 2007–2012

William R. Green, Ph.D.
Dartmouth Medical School
For outstanding service to AAI as member and chair of the AAI Committee on Public Affairs, 2004–2009

John R. Schreiber, M.D., M.P.H.
Tufts University School of Medicine
For outstanding service to AAI as member and chair of the AAI Committee on Public Affairs, 2005–2011

AAI annually provides travel awards and grants to recognize the promise and bolster the professional development of young investigators, trainees, and underrepresented minority scientists and trainees.

AAI Life Technologies Trainee Achievement Awards
Chambers-eBioscience Memorial Award
Lustgarten-eBioscience Memorial Award
Pfizer-Showell Travel Award
AAI Early Career Faculty Travel Grants
Sponsored in part by BD Biosciences and Cell Signaling
AAI Laboratory Travel Grants
AAI Minority Scientist Travel Awards
Sponsored by FASEB MARC Programs under a grant from NIGMS, NIH [FASEB MARC Program: T36-GM08059-29]
AAI Trainee Abstract Awards
Sponsored in part by Amnis, BD Biosciences, Genocea Biosciences, and IMGENEX

For information on all AAI Awards, visit www.aai.org/Awards
You are cordially invited to attend

“Casino Night in Back Bay”

IMMUNOLOGY 2012™ GALA

Generously Sponsored by BioLegend

Come to Casino Night for the fellowship and festivities—games, karaoke, prizes, and, of course, drinks and hors d’oeuvres!

Sheraton Boston Hotel, Grand Ballroom  |  Sunday, May 6, 2012  |  7:00 PM – 10:00 PM
OPEN TO ALL IMMUNOLOGY 2012™ ATTENDEES!
Meeting badge required for entrance.
**BLOCK SYMPOSIA**
Selected abstracts are programmed into oral sessions called Block Symposia. Each Block Symposium is made up of approximately 8 selected abstracts. There are 69 Block Symposia programmed for this annual meeting.

**POSTERS**
The most interactive part of the meeting! Discuss data and research issues firsthand with authors at the Poster Sessions. Posters will be displayed Saturday through Monday in the Hynes Convention Center Auditorium and Exhibit Hall C-D from 9:30 AM to 4:30 PM.

**Dedicated Daily Poster Presentation Hour from 2:30 PM to 3:30 PM!** No concurrent symposia, presentations, or other sessions will be held during the poster presentations at this time.

**Accepted posters may be displayed for the duration of the meeting!** Authors are encouraged to leave their posters up throughout IMMUNOLOGY 2012™.


**EXHIBITOR WORKSHOPS**
Take advantage of the opportunity provided by the Exhibitor Workshops to explore exhibitors’ latest technologies, products, and services. To view the 2012 exhibitor workshops, visit www.IMMUNOLOGY2012.org. Workshops are planned and conducted by exhibitors; the listing of these workshops does not constitute endorsement of any products or services by AAI.

**PRODUCT SHOWCASES**
Be sure to catch the presentations and demonstrations of exhibitors’ new products. Sessions are scheduled in 15-minute intervals on the Exhibit Hall Stage. To view the 2012 product showcase schedule, visit www.IMMUNOLOGY2012.org. Presentations are planned and conducted by exhibitors; the listing of these presentations does not constitute endorsement of any products or services by AAI.
AAI Clinical Immunology Committee Symposium

Vaccines: Immunological Challenges and Solutions
FRIDAY, MAY 4, 2:00 PM - 4:00 PM, ROOM 302

Chairs:
Robert L. Modlin, University of California, Los Angeles
Barry R. Bloom, Harvard School of Public Health

Speakers:
Octavio Ramilo, Nationwide Children's Hospital
Immune signatures of influenza vaccine in children
Cornelia L. Trimble, Johns Hopkins University School of Medicine
Therapeutic targets in preinvasive HPV disease
Barry R. Bloom, Harvard School of Public Health
The challenge of TB vaccines
David Baltimore, California Institute of Technology
Vectored ImmunoProphylaxis: engineering the immune system

One of the most effective approaches to combat infectious diseases worldwide is through population-based interventions such as vaccines, which immunize and protect individuals against a variety of pathogens that cause significant morbidity and mortality. This session will focus on advances by immunologists in identifying novel solutions to the challenges of developing vaccines and monitoring their efficacy in humans.

AAI Committee on Public Affairs

NIH Peer Review: Understanding the New System
SATURDAY, MAY 5, 11:30 AM – 1:00 PM, ROOM 309

Chair:
Derry C. Roopenian, The Jackson Laboratory, Chair, AAI Committee on Public Affairs

Recent changes to the NIH peer review system, including the elimination of the A2 grant application, have pleased, puzzled, and angered both applicants and reviewers. With federal budgets constrained and stakes as high as they have ever been, understanding the NIH peer review process is essential to securing funding. This session will explain the system, including the role and power of both CSR and the individual institutes, and provide attendees with the opportunity to ask questions, express concerns, and share experiences.

Speakers:
Richard K. Nakamura, Acting Director, Center for Scientific Review, NIH
Perspectives on the future of NIH peer review
Daniel Rotrosen, Director, Division of Allergy, Immunology, and Transplantation, NIAID, NIH
The role of NIAID in peer review and grant funding
Elizabeth J. Kovacs, Loyola University Chicago, Chair, AAI Subcommittee on Peer Review and Grant Submission
Grant applicants and reviewers: questions and concerns

AAI Education Committee

Academics and SBIR/STTR Grants: Seeking Opportunities
MONDAY, MAY 7, 12:30 PM – 2:30 PM, ROOM 208

Chair:
Kimberly J. Payne, Loma Linda University

The federal Small Business Innovative Research (SBIR) and Small Business Technology Transfer (STTR) grant programs award approximately $2.5 billion annually for small businesses to perform innovative research. Researchers at academic institutions can benefit from collaborations with these small business firms. This session will describe SBIR/STTR funding opportunities, highlight their potential benefits to academic researchers, and explore techniques for maximizing the success of grant proposals.

Speakers:
Gregory Milman, Director, Office for Innovation and Special Programs, NIAID
Secrets of NIH small business grant applications
Jay K. Kolls, Professor, University of Pittsburgh School of Medicine
Commercializing your research: are you ready for an SBIR/STTR grant?
Lisa Kurek, Managing Partner, Biotechnology Business Consultants
Commercialization: it is never too early to start
Thomas M. Aune, Professor, Vanderbilt University Medical Center
Utilizing small business partnerships to advance applied research

Careers in Biotech: Panel Discussion and Networking Reception
MONDAY, MAY 7, 6:30 PM – 8:00 PM, ROOM 302

Chair:
Clinton B. Mathias, Western New England University

Many opportunities exist in industry for a scientist with advanced degrees. There are positions in laboratory research, program management, business development, regulatory affairs and clinical trials oversight, and medical liaison. This panel features scientists employed in a variety of positions in industry to share their career paths and highlight the skills required to succeed in these careers. Following the panel discussion, enjoy casual conversation with the speakers and other industry connections at a networking reception. Refreshments will be provided.

Speakers:
Arthur Tzianabos, Vice President and Head, Research and Early Development, Shire Human Genetic Therapies
Andy Kokaji, Senior Scientist, STEMCELL Technologies, Inc.
Chris Schwab, Senior Medical Science Liaison, Human Genome Sciences, Inc.
Olivia Schneider, Chief Scientific Officer, Shenandoah Biotechnology, Inc.
AAI COMMITTEE-SPONSORED SESSIONS

Nurturing the Quest for Science in the Next Generation
SATURDAY, MAY 5, 9:00 AM –12:00 PM, ROOM 206

Chair:
Brian A. Cobb, Case Western Reserve University School of Medicine

This workshop will feature programs and topics which strengthen science education in both high schools and undergraduate institutions. The session will include 2011–2012 participants of the AAI High School Teachers (HST) Summer Research Program, which pairs high school science teachers with established AAI member immunologists who mentor them in their laboratories in a “hands-on” summer internship. In addition, this session features a former AAI HST Program participant who received a Presidential Award for Excellence in Math and Science Teaching in 2008; the coordinator of the summer research program for teachers at National Jewish Health to address educational outreach; the director of the innovative Citizen Science Program at Bard College with the goal of improving science literacy in college freshmen; and the 2003 AAI Excellence in Mentoring Award recipient to address excellence in undergraduate science and research programs.

Speakers:
Lori Herrington, 2011–2012 AAI HST Program Participant, Chaparral High School, Temecula, California
Lyndonia Pascal, 2011–2012 AAI HST Program Participant, Palm Beach Lakes Community High School, West Palm Beach, Florida
Ann Brokaw, Former AAI HST Program Participant and 2008 Presidential Award for Excellence in Mathematics and Science Teaching Recipient, Rocky River High School, Rocky River, Ohio
Kara Lukin, Instructor and Coordinator of the Summer Research Program for High School Educators, National Jewish Health
Brooke Jude, Director, Citizen Science Program, Bard College
Judith A. Owen, Professor, Haverford College

AAI Education Committee & AAI Committee on the Status of Women

Careers in Science Lecture and Roundtable
Generously sponsored by BD Biosciences, Inc.
SUNDAY, MAY 6, 12:30 PM – 2:30 PM, SHERATON BOSTON HOTEL, REPUBLIC BALLROOM

Chair:
Bonnie N. Dittel, BloodCenter of Wisconsin, Chair, AAI Committee on the Status of Women

Keynote Speaker:
Olivera J. (Olja) Finn, University of Pittsburgh School of Medicine

Make an effort! A path to a rewarding life in science

Registration Fee: $20 (Lunch included.)

This always popular session opens this year with former AAI President Olivera J. (Olja) Finn, Distinguished Professor and Chair, Department of Immunology, and Distinguished Professor, Department of Surgery, University of Pittsburgh School of Medicine; and Co-Leader, University of Pittsburgh Cancer Institute Immunoology Program. Dr. Finn actively addresses career development issues internationally through organizations in the United States and her participation in the International Union of Immunological Societies (IUIS) Gender Equality and Career Development Committee. At this session, she will offer guidance for achieving distinction in one’s field while balancing the demands of research, service to one’s profession, and commitment to family. Roundtable discussions follow, led by experienced scientists on specific career issues and options. Attendance is limited. Registrations will be accepted on a first-come, first-served basis.

Discussion topics and table leaders:

Research Careers in Academia
Table Leaders: Anne A. Sperling, University of Chicago; Vijay K. Kuchroo, Harvard Medical School; Dario A. A. Vignali, St. Jude Children’s Research Hospital

Mentoring Effectively
Table Leader: Scheherazade Sadeh-Nasseri, Johns Hopkins University Medical School

Networking Skills
Table Leader: Monica Mann, EMD Serono, Inc.

Career and Family: time management/family leave/professional couples
Table Leaders: Patricia Fitzgerald-Bocarsly, UMDNJ; Donna L. Farber, Columbia University Medical Center

Careers in Biotech and Industry: moving from academia to industry and vice versa
Table Leaders: Mary E. Keir, Genentech, Inc.; Daniel J. Cua, Merck Research Laboratories; Representative of BD Biosciences, Inc.

Careers at Governmental Agencies (FDA/NIH/USDA/CDC)
Table Leaders: A. Andrew Hurwitz, NCI/NIH; Pamela L. Schwartzberg, NIH/NHGRI

Graduate Student to Postdoc: finding a postdoc, interviewing
Table Leaders: Michelle A. Parent, University of Delaware; Terrence L. Geiger, St. Jude Children’s Research Hospital

New PI: attracting students and postdocs, preparing for tenure
Table Leader: Janis K. Burkhart, University of Pennsylvania School of Medicine

Non-research Careers: focus for 2012—careers in intellectual property/patent law; technology transfer
Table Leaders: Alexander Swirnoff, Pfizer

Postdoc to PI: finding a position, interviewing, negotiating, lab start-up
Table Leader: Shannon J. Turley, Dana-Farber Cancer Institute, Harvard Medical School

Translational Research: work to speed development of therapies based on basic science breakthroughs
Table Leaders: Arthur Tzianabos, Shire Human Genetic Therapies

Undergraduate Institutions: teaching, doing research
Table Leader: Sharon A. Stranford, Mt. Holyoke College
**AAI Membership Committee**

**AAI New Member Reception**

FRIDAY, MAY 4, 4:00 PM – 4:45 PM

AAI wishes to welcome new Regular and Trainee members joining AAI for the first time. AAI President Leslie Berg and other AAI leaders look forward to meeting you personally. Please join us with your invitation in hand for light refreshments and casual conversation. 

*Event by invitation only.*

**AAI Minority Affairs Committee**

**Careers and Networking Roundtable**

SATURDAY, MAY 5, 11:45 AM – 1:15 PM, ROOM 313

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.

**Registration Fee:** $20 (Lunch included.)

Discussion topics and table leaders *(invited)*:

- **Grad Student:** finding a mentor; taking aim at postdoc training
  
  *Table Leaders:* Tonya J. Webb, University of Maryland, Baltimore; Anthony Quinn, University of Toledo

- **Postdoc:** finding a mentor; taking aim at a faculty position
  
  *Table Leaders:* Jose R. Conejo-Garcia, The Wistar Institute; Gregory B. Carey, University of Maryland, Baltimore; Margaret S. Bynoe, Cornell University College of Veterinary Medicine

- **Junior Faculty:** preparing for promotion and tenure
  
  *Table Leaders:* Adriana T. Larregina, University of Pittsburgh School of Medicine; Avery August, Cornell University; Prosper N. Boyaka, Ohio State University

- **Academia or Industry:** how to decide (or switch sides)
  
  *Table Leaders:* Jennifer Solomon Tan, Miltenyi Biotec Inc.; Jonathan A. Deane, Genomics Institute of the Novartis Research Foundation; Cherli L. Butts, Biogen Idec

- **Government Agency Careers:** CDC, FDA, NIH, USDA
  
  *Table Leaders:* Thandi M. Onami, NIAID, NIH; Charles E. Egwuagu, NEI, NIH

- **Non-Research Careers:** science journalism, patent law, biomedical entrepreneurship
  
  *Table Leaders:* John Emrich, AAI; Carolyn A. Favorito, Knobbe Martens Olson & Bear, LLP

**Minority Affairs Committee Guest Lecture**

MONDAY, MAY 7, 1:00 PM – 2:00 PM, ROOM 310

**Chair:**

Prosper N. Boyaka, Ohio State University, Chair, AAI Minority Affairs Committee

**Speaker:**

Charles E. Egwuagu, NEI, NIH

*Regulation of autoreactive lymphocytes that mediate CNS autoimmune disease*

**AAI Publications Committee Session**

**Writing and Reviewing Manuscripts: Two Sides of the Same Coin**

SATURDAY, MAY 5, 12:30 PM - 2:30 PM, ROOM 310

**Chairs:**

Paul E. Love, NICHD, NIH

Jeremy M. Boss, Emory University

**Speakers:**

Pamela J. Fink, University of Washington

Juan Carlos Zúñiga-Pflücker, University of Toronto

Herman F. Staats, Duke University

Jeremy M. Boss, Emory University

*Retained for revision: responding to reviewers’ comments*

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

**Contemporary Issues in Zoonotic Diseases**

MONDAY, MAY 7, 10:15 AM – 12:15 PM, ROOM 206

**Chairs:**

Simon M. Barratt-Boyces, University of Pittsburgh

Paul M. Coussens, Michigan State University

**Speakers:**

Karen L. Elkins, Center for Biologics Evaluation and Research, FDA

Correlates of protection against intracellular pathogens: learning from *Francisella tularensis LVS*

Sabra L. Klein, Johns Hopkins Bloomberg School of Public Health

Zoonotic pathogen-host interactions: sex determines the outcome of infection

Robert A. Heinzen, Rocky Mountain Laboratories, NIAID, NIH

Subversion of macrophage function by the Q fever agent, Coxiella burnetii

Mary Pantin-Jackwood, Southeast Poultry Research Laboratory, USDA

Current situation of avian influenza with emphasis on pathobiology, epidemiology, and control

Zoonotic diseases—those that are naturally transmitted between vertebrate animals and humans—represent one of the leading causes of illness and death from infectious disease worldwide. This symposium will address contemporary issues in immunology, vaccination, and pathogenesis of zoonotic infections, ranging from avian influenza to new emerging and bioterrorism threats including Q fever, hantavirus, and *Francisella.*
NIH INSTITUTE-SPONSORED SYMPOSIA

The following NIH Institutes will present special symposia at IMMUNOLOGY 2012™:

National Institute of Allergy and Infectious Diseases (NIAID) Symposium

Functional Dissection of Protective Antibody Responses
SUNDAY, MAY 6, 3:30 PM – 5:30 PM, ROOM 304

Chairs:
Stacy Ferguson, NIAID, NIH
Michael P. Cancro, University of Pennsylvania School of Medicine

Speakers:
Michael P. Cancro, University of Pennsylvania School of Medicine
Where are the neutralizing clonotypes? Conducting interrogations with BLyS
Susan Zolla-Pazner, New York University Langone School of Medicine
Conserved features of variable regions: important targets of neutralizing antibodies
Shiv Pillai, Massachusetts General Hospital, Harvard Medical School
SIAE suppresses promiscuous T-B collaboration and germinal center formation
James Kobie, University of Rochester Medical Center
The cellular origins of protective antibody responses to HIV

National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS) Symposium

Monocyte/Macrophage Abnormalities in Autoimmune Diseases
MONDAY, MAY 7, 10:15 AM – 12:15 PM, ROOM 306

Chairs:
Robert H. Carter, NIAMS, NIH
Susana Serrate-Sztein, NIAMS, NIH

Speakers:
Richard Bucala, Yale University
MIF and the genetic basis of macrophage responsiveness
Anne Davidson, Feinstein Institute for Medical Research
Renal macrophages in lupus nephritis — friend or foe?
Vicki Rubin Kelley, Brigham and Women’s Hospital
The “Big Mac” theory of lupus
Kevin D. Cooper, Case Western Reserve University
Monocytes/macrophages in psoriasis

National Institute of Environmental Health Sciences (NIEHS) Symposium

The Role of Environmental Exposures in the Development of Autoimmune Disease
MONDAY, MAY 7, 12:30 PM – 2:30 PM, ROOM 306

Chairs:
Michael Humble, NIEHS, NIH
B. Paige Lawrence, University of Rochester School of Medicine and Dentistry

Speakers:
Kathleen M. Gilbert, University of Arkansas for Medical Sciences, Arkansas Children’s Hospital Research Institute
Chronic exposure to water pollutant trichloroethylene promotes autoimmune hepatitis and induces epigenetic alterations in CD4+ T cells
Jean C. Pfau, Idaho State University
Silica, asbestos, and systemic autoimmune disease
David H. Sherr, Boston University School of Public Health
Environmental chemicals as probes of immune system development
Frederick W. Miller, NIEHS, NIH
An overview of environmental risk factors for autoimmune diseases: where we stand in 2012

National Institute on Aging (NIA) Symposium

The Impact of Aging on the Innate Immune System
SATURDAY, MAY 5, 3:30 PM – 5:30 PM, ROOM 306

Chair:
Rebecca A. Fuldner, NIA, NIH

Speakers:
Albert C. Shaw, Yale School of Medicine
Age-associated alterations in human TLR function
Carlos J. Orihuela, University of Texas Health Science Center at San Antonio
Cellular senescence as a source of chronic inflammation in the lung and mechanism for enhanced susceptibility to bacterial pneumonia
Daniel R. Goldstein, Yale School of Medicine
Dysregulated inflammation, aging, and viral infections
Susan L. Swain, University of Massachusetts Medical School
Can we overcome the defects of aged CD4+ naïve T cells?
**American Association of Pharmaceutical Scientists (AAPS) Symposium**

**Immunogenicity of Biotherapeutics: Risk Prevention and Mitigation**

**SUNDAY, MAY 6, 8:00 AM – 10:00 AM, ROOM 309**

**Chairs:**
- Arunan Kaliyaperumal, Amgen, Inc.
- Bonnie Rup, Pfizer, Inc.

**Speakers:**
- Arunan Kaliyaperumal, Amgen, Inc.
  - Introduction
- Bonnie Rup, Pfizer, Inc.
  - The problem of unwanted immunogenicity in biotherapeutic treatment: causes, consequences, and opportunities
- Terry Goletz, Amgen, Inc.
  - Predicting immunogenicity: tools and approaches for understanding the mechanisms underlying an immune response
- Susan Richards, Genzyme, a Sanofi Company
  - Immune mitigation and tolerance induction to therapeutic proteins

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

**Contemporary Issues in Zoonotic Diseases**

**MONDAY, MAY 7, 10:15 AM – 12:15 PM, ROOM 206**

**Chairs:**
- Simon M. Barratt-Boyes, University of Pittsburgh
- Paul M. Coussens, Michigan State University

**Speakers:**
- Karen L. Elkins, Center for Biologics Evaluation and Research, FDA
  - Correlates of protection against intracellular pathogens: learning from Francisella tularensis LVS
- Sabra L. Klein, Johns Hopkins Bloomberg School of Public Health
  - Zoonotic pathogen-bout interactions: sex determines the outcome of infection
- Robert A. Heinzen, Rocky Mountain Laboratories, NIAID, NIH
  - Subversion of macrophage function by the Q fever agent, Coxiella burnetii
- Mary Pantin-Jackwood, Southeast Poultry Research Laboratory, USDA
  - Current situation of avian influenza with emphasis on pathobiology, epidemiology, and control

Zoonotic diseases—those that are naturally transmitted between vertebrate animals and humans—represent one of the leading causes of illness and death from infectious disease worldwide. This symposium will address contemporary issues in immunology, vaccination, and pathogenesis of zoonotic infections, ranging from avian influenza to new emerging and bioterrorism threats including Q fever, hantavirus, and Francisella.

**American Society for Blood and Marrow Transplantation (ASBMT) Symposium**

**Immunologic Recovery after Alternative Donor Allogeneic Transplant**

**SATURDAY, MAY 5, 8:00 AM – 10:00 AM, ROOM 306**

**Chair:**
- Karen Ballen, Massachusetts General Hospital

**Speakers:**
- Marcel R. M. van den Brink, Memorial Sloan-Kettering Cancer Center
  - Mechanisms of T cell recovery
- Mary J. Laughlin, University of Virginia
  - Measurements of immune recovery after cord blood transplantation
- Ephraim J. Fuchs, Johns Hopkins University
  - Measurements of immune recovery after haploidentical transplantation
- Robert S. Negrin, Stanford University
  - Influence of laboratory measures of immune recovery on clinical outcomes

**American Society of Bone and Mineral Research (ASBMR) Symposium**

**Osteoimmunology**

**SATURDAY, MAY 5, 10:15 AM – 12:15 PM, ROOM 306**

**Chairs:**
- Mark C. Horowitz, Yale School of Medicine
- Joseph Lorenzo, University of Connecticut Health Center

**Speakers:**
- Hector Leonardo Aguila, University of Connecticut Health Center
  - Monocyte progenitors: a crossroad between physiological and pathological inflammation
- Mary Beth Humphrey, University of Oklahoma Health Science Center
  - Negative regulatory mechanisms of ITAM signaling in osteoclasts
- Edward M. Schwarz, University of Rochester
  - Osteoimmunology of arthritis flare
- Louis C. Gerstenfeld, Boston University School of Medicine
  - Multiple stages of immune cell function during fracture healing
American Society of Transplantation (AST) Symposium

Co-stimulatory and Co-inhibitory Pathways in Transplantation
MONDAY, MAY 7, 12:30 PM – 2:30 PM, ROOM 304

Chairs:
Andrew D. Wells, University of Pennsylvania
Jonathan S. Maltzman, University of Pennsylvania

Speakers:
Laurence A. Turka, Beth Israel Deaconess Medical Center, Harvard Medical School
Overview of costimulation and transplantation
Arlene H. Sharpe, Harvard Medical School
Immunomodulation by co-inhibitory receptors
Agnes M. Azimzadeh, University of Maryland School of Medicine
Selective blockade of CD28 in organ transplantation
Christian P. Larsen, Emory University Hospital
Bringing costimulatory blockade into the clinic

British Society for Immunology (BSI) Symposium

T Cell-Mediated Antiviral Immunity
SUNDAY, MAY 6, 10:15 AM – 12:15 PM, ROOM 306

Chair:
Arne N. Akbar, University College London

Speakers:
Charles R. M. Bangham, Imperial College London
How does the human leukemia virus (HTLV-1) persist in vivo?
Gavin R. Sreenan, Imperial College London
Immunopathology in dengue virus infection
Tracy Hussell, Imperial College London
Immune pathology in lung viral infection: innate or adaptive?
Paul A. H. Moss, University of Birmingham
The biology and therapeutic management of the immune response to human cytomegalovirus in health and disease

Canadian Society for Immunology (CSI) Symposium

Dysfunctional B Cells: from Autoimmunity to Cancer
SATURDAY, MAY 5, 12:30 PM – 2:30 PM, ROOM 306

Chairs:
Aaron J. Marshall, University of Manitoba
Alberto Martin, University of Toronto

Speakers:
Joan E. Wither, University of Toronto
B cell abnormalities in lupus
Aaron J. Marshall, University of Manitoba
PI3-kinase pathway in B cell-associated pathologies

Julie P. Deans, University of Calgary
CD20 and related proteins in B cell regulation
Alberto Martin, University of Toronto
Antibody diversification mechanisms and their role in humoral immunity
Randy D. Gascoyne, University of British Columbia
Genetic mechanisms underlying immune privilege in lymphoid cancers

Chinese Society of Immunology (ChSI) Symposium

Translational Immunology: from Basic to Clinic
MONDAY, MAY 7, 10:15 AM – 12:15 PM, ROOM 310

Chairs:
Xuetao Cao, Chinese Academy of Medical Sciences
Olivera J. Finn, University of Pittsburgh

Speakers:
Xuetao Cao, Chinese Academy of Medical Sciences
Brief introduction to translational immunological research in China
Zhigang Tian, China University of Science and Technology, Hefei
NK cell pathobiology and immunotherapy of hepatitis and liver cancer patients
Xueguang Zhang, Suzhou University School of Medicine
Co-stimulators and co-inhibitors in cancer patients
Haiyan Liu, Suzhou University School of Life Sciences
New approaches to improve BMT
Yuzhang Wu, Third Military Medical University, Chongqing
Clinical trials of a new type of HBV therapeutic vaccine

German Society for Immunology (DGfI) Symposium

Control of Adaptive Humoral Immunity
SUNDAY, MAY 6, 12:30 PM – 2:30 PM, ROOM 306

Chairs:
Dieter Kabelitz, University of Kiel
Hans-Martin Jäck, University of Erlangen

Speakers:
Hassan Jumaa, Max-Planck Institute for Immunobiology and Epigenetics
B cell signaling and development
Jürgen Wienands, University of Göttingen
Activation signals for naive and class-switched memory B cells
Andreas Radbruch, Deutsches Rheuma-Forschungszentrum Berlin
Memory plasma cells
Hans-Martin Jäck, University of Erlangen
miRNA-dependent control of B cell differentiation
Claudia Berek, Deutsches Rheuma-Forschungszentrum Berlin
How plasma cells survive
**International Society for Interferon and Cytokine Research (ISICR) Symposium**

**Innate Immunity and Autoimmunity**
SATURDAY, MAY 5, 12:30 PM – 2:30 PM, ROOM 304

**Chairs:**
Ana M. Gamero, Temple University  
Stefania Gallucci, Temple University

**Speakers:**  
Siddharth Balachandran, Fox Chase Cancer Center  
Distinct roles for NF-κB in antiviral innate immune responses  

Ana M. Gamero, Temple University  
STAT2 in the inflammatory and antiviral response

Stefania Gallucci, Temple University  
Regulation of type I interferon in murine lupus

Andrew A. Welcher, Amgen, Inc.  
Demonstration of biological impact of IFN-γ inhibition in SLE subjects treated with AMG 811

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**International Society of Neuroimmunology (ISNI) Symposium**

**Immunogenetics of Multiple Sclerosis**
SATURDAY, MAY 5, 8:00 AM – 10:00 AM, ROOM 310

**Chairs:**
David A. Hafler, Yale School of Medicine  
Tomas Olsson, Karolinska Institute

**Speakers:**
David A. Hafler, Yale School of Medicine  
Genotype to phenotype

Tomas Olsson, Karolinska Institute  
Gene-environment interactions in neuroinflammation

Silke Paust, Harvard Medical School  
Natural killer cells mediate adaptive immune responses

Hans-Gustaf Ljunggren, Karolinska Institute  
The human NK cell repertoire and its modulation by viral infections

Marcus Altfeld, Ragon Institute of MGH, MIT, and Harvard  
NK cell responses against HIV-1

Kathleen L. Collins, University of Michigan  
The antiviral factor APOBEC3G enhances recognition of HIV-infected cells by NK cells

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**Society for Natural Immunity (SNI) Symposium**

**NK Cell Immunity in Viral Infections**
SUNDAY, MAY 6, 12:30 PM – 2:30 PM, ROOM 306

**Chairs:**
Marcus Altfeld, Ragon Institute of MGH, MIT, and Harvard  
Hans-Gustaf Ljunggren, Karolinska Institute

**Speakers:**
Silke Paust, Harvard Medical School  
Natural killer cells mediate adaptive immune responses

Hans-Gustaf Ljunggren, Karolinska Institute  
The human NK cell repertoire and its modulation by viral infections

Marcus Altfeld, Ragon Institute of MGH, MIT, and Harvard  
NK cell responses against HIV-1

Kathleen L. Collins, University of Michigan  
The antiviral factor APOBEC3G enhances recognition of HIV-infected cells by NK cells
Through workshops, roundtables, and one-on-one counseling, IMMUNOLOGY 2012™ provides critical career development programs. Career sessions and services this year include:

- Academics and SBIR/STTR Grants: Seeking Opportunities
- Careers in Biotech: Panel Discussion and Networking Reception
- Careers in Science Lecture and Networking Roundtables (2)
- How to Convert Your CV into a Résumé (followed by one-on-one counseling)
- Interviewing for a Job
- Secrets for a Successful Postdoctoral Fellowship

AAI is also offering an online and onsite Jobs Board free to meeting registrants and exhibitors.

**Academics and SBIR/STTR Grants: Seeking Opportunities**
**MONDAY, MAY 7, 12:30 PM – 2:30 PM, ROOM 208**

**Chair:**
Kimberly J. Payne, Loma Linda University

The federal Small Business Innovative Research (SBIR) and Small Business Technology Transfer (STTR) grant programs award approximately $2.5 billion annually for small businesses to perform innovative research. Researchers at academic institutions can benefit from collaborations with these small business firms. This session will describe SBIR/STTR funding opportunities, highlight their potential benefits to academic researchers, and explore techniques for maximizing the success of grant proposals.

**Speakers:**
- Gregory Milman, Director, Office for Innovation and Special Programs, NIAID
- Secret of NIH small business grant applications
- Jay K. Kolls, Professor, University of Pittsburgh School of Medicine
  Commercializing your research: are you ready for an SBIR/STTR grant?
- Lisa Kurek, Managing Partner, Biotechnology Business Consultants
  Commercialization: it is never too early to start
- Thomas M. Aune, Professor, Vanderbilt University Medical Center
  Utilizing small business partnerships to advance applied research

**Careers in Biotech: Panel Discussion and Networking Reception**
**MONDAY, MAY 7, 6:30 PM – 8:00 PM, ROOM 304**

**Chair:**
Clinton B. Mathias, Western New England University

Many opportunities exist in industry for a scientist with advanced degrees. There are positions in laboratory research, program management, business development, regulatory affairs and clinical trials oversight, and medical liaison. This panel features scientists employed in a variety of positions in industry to share their career paths and highlight the skills required to succeed in these careers. Following the panel discussion, enjoy casual conversation with the speakers and other industry connections at a networking reception. Refreshments will be provided.

**Speakers:**
- Arthur Tzianabos, Vice President and Head, Research and Early Development, Shire Human Genetic Therapies
- Andy Kokaji, Senior Scientist, STEMCELL Technologies, Inc.
- Chris Schwab, Senior Medical Science Liaison, Human Genome Sciences, Inc.
- Olivia Schneider, Chief Scientific Officer, Shenandoah Biotechnology, Inc.

**Careers and Networking Roundtable**
**Sponsored by AAI Minority Affairs Committee**
**SATURDAY, MAY 5, 11:45 AM – 1:15 PM, ROOM 313**

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.

**Registration Fee:** $20 (Lunch included.)

**Table discussion topics:**
- 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, USDA
- Non-Research Careers: science journalism, patent law, biomedical entrepreneurship

**Table leaders:** see AAI Committee-Sponsored Sessions

**Careers in Science Lecture and Roundtable**
**Sponsored by AAI Education Committee & AAI Committee on the Status of Women**
**Generously sponsored by BD Biosciences, Inc.**
**SUNDAY, MAY 6, 12:30 PM – 2:30 PM, SHERATON BOSTON HOTEL, REPUBLIC BALLROOM**

**Chair:**
Bonnie N. Dittel, BloodCenter of Wisconsin, Chair, AAI Committee on the Status of Women

**Keynote Speaker:**
Olivera J. (Olja) Finn, University of Pittsburgh School of Medicine

Make an effort: a path to a rewarding life in science

**Registration Fee:** $20 (Lunch included.)

This always popular session opens this year with former AAI President Olivera J. (Olja) Finn, Distinguished Professor and Chair, Department of Immunology, and Distinguished Professor, Department of Surgery, University of Pittsburgh School of Medicine; and Co-Leader, University of Pittsburgh Cancer Institute Immunology
Program. Dr. Finn actively addresses career development issues internationally through organizations in the United States and her participation in the IUIS Gender Equality and Career Development Committee. At this session, she will offer guidance for achieving distinction in one’s field while balancing the demands of research, service to one’s profession, and commitment to family. Roundtable discussions follow, led by experienced scientists on specific career issues and options. Attendance is limited. Registrations will be accepted on a first-come, first-served basis.

Table discussion topics/leaders: see AAI Committee-Sponsored Sessions

How to Convert Your CV into a Resumé
SATURDAY, MAY 5, 11:30 AM – 12:30 PM, ROOM 208

Instructor:
Derek Haseltine, Director, Research Career Development, University of Maryland School of Medicine

For anyone seeking a job outside of academe, how you present yourself on paper is critical. A well-prepared resumé can make all the difference in securing that interview. The focus of this session will be on the important elements of a resumé, the differences between a resumé and the standard academic curriculum vitae, and the information needed to make a good impression. In this special career development session, attendees will be instructed in how to transform their CVs into professional resumés. Small breakout sessions for individual consulting will follow from 1:45 PM to 3:45 PM. Bring your CV!

Interviewing for a Job
SATURDAY, MAY 5, 12:45 PM – 1:45 PM, ROOM 208

Instructor:
Derek Haseltine, Director, Research Career Development, University of Maryland School of Medicine

This session will be focused on tips and techniques to help you successfully navigate the interview process. Emphasis will be on how you can present yourself in the best possible light. You will also learn how to respond to unexpected questions. This session is open to anyone but is especially intended for student and postdoctoral attendees.

Secrets for a Successful Postdoctoral Fellowship
SUNDAY, MAY 6, 11:00 AM – 12:30 PM, ROOM 208

Instructor:
Melanie Sinche, Director, Faculty of Arts and Sciences Office of Postdoctoral Affairs, Harvard University

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 American Association of Immunologists
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IMMUNOLOGY 2012™
Opening Night Welcome Reception
FRIDAY, MAY 4 ■ 6:00 PM–8:00 PM
IN THE HYNES CONVENTION CENTER BOYLSTON HALLWAY

Chambers-eBioscience Memorial Award

Lustgarten-eBioscience Memorial Award

Meeting Bags

99th Annual Meeting
The American Association of Immunologists
May 4–8, 2012 ■ Hynes Convention Center ■ Boston, Massachusetts
**Friday, May 4**

2:00 PM – 4:00 PM
- B and T Cell Responses to Microbes
- Cytokines in Cancer, Autoimmunity, and Transplantation
- Homeostasis and Aging of Lymphocytes
- Inflammatory Responses and Disease
- Technological Innovations in Immunology

**Saturday, May 5**

8:00 AM – 10:00 AM
- Myeloid-derived Cells as APCs and as Regulators
- Regulation of Asthmatic Inflammation
- Regulators of T Cell Responses
- Therapeutic Strategies for Rheumatologic Diseases

10:15 AM – 12:15 PM
- Hematopoietic Stem Cells and Lineage Fate Decisions
- Immunotherapy and Vaccines: Innate-Adaptive Crosstalk
- Regulatory Therapies of Autoimmune Diseases
- Th17 and IL-17 Family Cytokines

12:30 PM – 2:30 PM
- Adaptive Responses in Viral Infections
- Mechanisms of T, NK/T Lymphocyte Differentiation, and Repertoire Selection
- Monocytes and Macrophages
- Neutrophils and Other Myeloid Cells
- Tumor-Induced Immune Suppressive Mechanisms

3:30 PM – 5:30 PM
- Immune Regulation at Mucosal Surfaces
- Immune Responses to Antigens
- Molecular Mechanisms Regulating Macrophage Activation
- T Cell Development

**Sunday, May 6**

8:00 AM – 10:00 AM
- Effector and Memory CD8 T Cells
- Mechanisms of T Cell Tolerance
- Molecular and Cellular Mechanisms of Antigen Presentation in Health and Disease
- Therapeutic Opportunities in Allergic Inflammation

**Monday, May 7**

3:30 PM – 5:30 PM
- B Cell Development
- Cytokine Signaling and Mechanisms
- Immunotherapy and Vaccines: Antitumor Immunity Regulation
- Innate Mediators of Autoimmune Disease
- Regulation of Mast Cell Activation

**Sunday, May 6**

10:15 AM – 12:15 PM
- Generation, Selection and Function of B Cells
- Leukocyte Migration and Inflammation
- Mechanisms for Transplant Tolerance and Rejection
- Regulators of T Lymphocyte Activation

12:30 PM – 2:30 PM
- Comparative and Veterinary Immunology
- Immune System Regulation by Non-Lymphocyte Cell Types
- Innate Immune Responses
- Mediators of Allergic Inflammation

**Tuesday, May 8**

8:00 AM – 10:00 AM
- B Cell Tolerance and Autoimmunity
- Innate Immune Cells in Viral Infections
- MHC I and MHC II Machinery for Antigen Processing and Presentation
- Regulatory T Cells

10:15 AM – 12:15 PM
- Immunoregulation of Antimicrobial Immunity
- PD1 and other Inhibitor Receptors
- Vaccines and Immunotherapy: Infectious Diseases 1

3:30 PM – 5:30 PM
- Dendritic Cells and Innate Lymphocytes
- Immune Responses to Mucosal Pathogens
- Immunotherapy and Vaccines: Basic Studies
- Novel Interventions for Autoimmune Disease

**Tuesday, May 8**

8:00 AM – 10:00 AM
- B Cell Tolerance and Autoimmunity
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- PD1 and other Inhibitor Receptors
- Vaccines and Immunotherapy: Infectious Diseases 2
The American Association of Immunologists
Gratefully Acknowledges the Generous Sponsorship of

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IMMUNOLOGY 2012™ Gala
“Casino Night in Back Bay”
at the Sheraton Boston Hotel Grand Ballroom
SUNDAY, MAY 6  ■  7:00 PM–10:00 PM

President’s Service Appreciation Reception
SATURDAY, MAY 5  ■  7:00 PM–9:30 PM

By invitation only
AAI POSTER SESSIONS

POSTER SESSIONS

The most interactive part of the meeting! Discuss data and research issues firsthand with authors at the Poster Sessions. Posters will be displayed Saturday through Monday in the Hynes Convention Center Auditorium and Exhibit Hall C – D from 9:30 AM – 4:30 PM.

Dedicated Daily Poster Presentation Hour from 2:30 PM – 3:30 PM

SATURDAY, MAY 5

B Lymphocyte Signaling and Transcription
B and T Cell Responses to Microbes
Cytokines and Chemokines in Inflammation and Immunity
Dendritic Cells and Innate Lymphocytes
Effector and Suppressor Cells in Tumor Immunity
Homeostasis and Aging
Immune Regulation by Non-Lymphoid Cells
Immunity to Mucosal Pathogens
Immunology Education
Immunotherapeutic Intervention for Autoimmune Diseases
Immunotherapy and Vaccines: Basic Studies
Immunotherapy and Vaccines: Innate-Adaptive Crosstalk
Inflammation and Disease
Innate Immunity to Microbes
Manipulation of the Immune Response as Therapy for Autoimmunity
Regulation of Asthmatic Inflammation
Technological Innovations in Immunology I
Th17/IL-17 Cytokine Axis

SUNDAY, MAY 6

Adaptive Responses in Viral Infections
Antigen Processing and Presentation
Antiviral Innate Immunity
B Cell Generation, Selection, and Function
Generation of Effector and Memory CD8 T Cells
Hematopoiesis and Immune Cell Development
Host Responses to Bacterial and Parasitic Challenge
Immunotherapy and Vaccines: Infectious Diseases I
Inflammasomes: Activation and Activity
Mechanisms of T and NKT Lymphocyte Differentiation and Repertoire Selection
Mechanisms of Therapeutic Approaches to Autoimmune Disorders
Monocytes and Macrophages
Neutrophils and Other Myeloid Cells
Novel and Cellular Approaches to Autoimmunity
Regulation of immune Responses at Mucosal Surfaces
Regulation of T Cell Activation, T Cell Subsets, and Interleukin-2
T Cell Differentiation and Effector Functions
T Cells in Autoimmunity
Technological Innovations in Immunology II
Therapeutic Opportunities in Allergic Inflammation
Transplantation
Tumor-induced Immune Suppressive Mechanisms

MONDAY, MAY 7

B Cells and Autoantibodies
Comparative and Veterinary Immunology
Cytokine Regulation of Cancer, Autoimmunity, and Transplantation
Effector Mechanisms of Antitumor Immunity
Generation and Death of Effector and Regulatory CD4 T Cells
Immunoregulation of Microbial Activity
Immunotherapy and Vaccines: Antitumor Regulation
Immunotherapy and Vaccines: Infectious Diseases II
Innate Immune Cells
Innate Immune Cells in Viral Infections
Innate Immune Responses
Innate Immune Signaling and Immune Regulation in Viral Infections
Innate Immunity in Autoimmunity
Leukocyte Activation in Innate Immunity
Leukocyte Migration and Inflammation/Immunity
Mechanisms of Cytokine Regulation and Signaling
Mediators of Allergic Inflammation
Molecular Regulation of Lymphocyte Responses
Regulation of Mast Cell Activation
Regulatory Signaling Pathways
Regulatory T Cells
TLR Signaling
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<td>Jayajit Das, Ph.D.</td>
<td>Assistant Professor</td>
<td>Res. Inst. at the Nationwide Children’s Hosp. and Ohio State Univ.</td>
</tr>
<tr>
<td>Guo-Min Deng, M.D., Ph.D.</td>
<td>Assistant Professor</td>
<td>Harvard Med. Sch., Beth Israel Deaconess Med. Ctr.</td>
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<tr>
<td>Zhongbin Deng, Ph.D.</td>
<td>Instructor, Assistant Research Scientist</td>
<td>Univ. of Louisville</td>
</tr>
<tr>
<td>Yuapan Peter Di, Ph.D.</td>
<td>Assistant Professor</td>
<td>Univ. of Pittsburgh</td>
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<tr>
<td>Haidong Dong, M.D., Ph.D.</td>
<td>Assistant Professor</td>
<td>Mayo Clin. Col. of Med.</td>
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<tr>
<td>Lauren L.R. Ehrlich, Ph.D.</td>
<td>Assistant Professor</td>
<td>Emory Univ. Sch. of Med.</td>
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<tr>
<td>Vitaly V. Ganusov, Ph.D.</td>
<td>Assistant Professor</td>
<td>Univ. of Tennessee</td>
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<tr>
<td>Scott A. Gerber, Ph.D.</td>
<td>Research Assistant Professor</td>
<td>Univ. of Rochester Med. Ctr.</td>
</tr>
<tr>
<td>Gregorio Gomez, Ph.D.</td>
<td>Assistant Professor</td>
<td>Virginia Commonwealth Univ.</td>
</tr>
<tr>
<td>Anton Gorbachev, Ph.D.</td>
<td>Instructor</td>
<td>Cleveland Clin.</td>
</tr>
<tr>
<td>Belch Guo, Ph.D.</td>
<td>Assistant Professor</td>
<td>Med. Univ. of South Carolina</td>
</tr>
<tr>
<td>Karen T. Hastings, Ph.D.</td>
<td>Assistant Professor</td>
<td>Univ. of Arizona</td>
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<tr>
<td>Jodi F. Hedges, Ph.D.</td>
<td>Assistant Professor</td>
<td>Montana State Univ.</td>
</tr>
<tr>
<td>Venkatesh Hegde, Ph.D.</td>
<td>Research Assistant Professor</td>
<td>Univ. of South Carolina Sch. of Med.</td>
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<tr>
<td>Nicola M. Holler, Ph.D.</td>
<td>Assistant Professor</td>
<td>Johns Hopkins Univ. Sch. Med.</td>
</tr>
<tr>
<td>Wangu Hou, Ph.D.</td>
<td>Visiting Assistant Researcher</td>
<td>Univ. of California, Los Angeles</td>
</tr>
<tr>
<td>Hui Hu, Ph.D.</td>
<td>Assistant Professor</td>
<td>The Wistar Inst.</td>
</tr>
<tr>
<td>Demelza J. Ireland, Ph.D.</td>
<td>Research Assistant Professor</td>
<td>Univ. of Western Australia</td>
</tr>
<tr>
<td>Dawn M. Jelley-Gibbs, Ph.D.</td>
<td>Research Assistant Professor Member</td>
<td>Trudeau Inst.</td>
</tr>
<tr>
<td>Cong Jin, Ph.D.</td>
<td>Assistant Professor</td>
<td>Natl. Inst. of Vital Dis. Control and Prevention, China CDC</td>
</tr>
<tr>
<td>Peggy L. Kendall, M.D.</td>
<td>Assistant Professor</td>
<td>Vanderbilt Univ. Med. Ctr.</td>
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<tr>
<td>Kamal M. Khanna, Ph.D.</td>
<td>Assistant Professor</td>
<td>Univ. of Connecticut Hth. Ctr.</td>
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<tr>
<td>Gilbert R. Kinsey, Pharm.D., Ph.D.</td>
<td>Assistant Professor</td>
<td>Research Univ. of Virginia</td>
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<tr>
<td>Kimberly D. Klonowski, Ph.D.</td>
<td>Assistant Professor</td>
<td>Univ. of Georgia</td>
</tr>
<tr>
<td>Martina Kovarova, Ph.D.</td>
<td>Research Assistant Professor</td>
<td>Univ. of North Carolina, Chapel Hill</td>
</tr>
<tr>
<td>Shelley M. Lawrence, M.D.</td>
<td>Assistant Professor</td>
<td>Univ. of Oklahoma</td>
</tr>
<tr>
<td>Sujei Lee, Ph.D.</td>
<td>Assistant Professor</td>
<td>Emory Univ. Sch. of Med.</td>
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<tr>
<td>Jason Lees, Ph.D.</td>
<td>Assistant Professor</td>
<td>Univ. of Maryland Sch. of Med.</td>
</tr>
<tr>
<td>Cheng-Rui Li, M.D., Ph.D.</td>
<td>Staff Scientist</td>
<td>Sanford-Burnham Med. Res. Inst.</td>
</tr>
<tr>
<td>Jiaqiuo Liu, M.D., Ph.D.</td>
<td>Assistant Professor</td>
<td>Univ. of Maryland Sch. of Med.</td>
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<tr>
<td>Philip T. Liu, Ph.D.</td>
<td>Assistant Professor</td>
<td>Univ. of California, Los Angeles</td>
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<tr>
<td>Jennifer M. Lund, Ph.D.</td>
<td>Assistant Member</td>
<td>Fred Hutchinson Cancer Res. Ctr.</td>
</tr>
<tr>
<td>Amber U. Luong, M.D., Ph.D.</td>
<td>Assistant Professor</td>
<td>Univ. of Texas Hth. Sci. Ctr. at Houston</td>
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<tr>
<td>Katherine C. MacNamara, Ph.D.</td>
<td>Assistant Professor</td>
<td>Albany Med. Coll.</td>
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<tr>
<td>Alicia R. Mathers, Ph.D.</td>
<td>Assistant Professor</td>
<td>Univ. of Pittsburgh</td>
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<td>Maureen A. McCargill, Ph.D.</td>
<td>Assistant Professor</td>
<td>St Jude Children’s Res. Hosp.</td>
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<tr>
<td>Mandy J. McGeachy, Ph.D.</td>
<td>Assistant Professor</td>
<td>Univ. of Pittsburgh</td>
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<tr>
<td>Robert J. McKalip, Ph.D.</td>
<td>Assistant Professor</td>
<td>Univ. of Yale</td>
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<tr>
<td>Karl Kai McKinstry, Ph.D.</td>
<td>Instructor</td>
<td>Univ. of Massachusetts Med. Sch.</td>
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<tr>
<td>Andrei Medvedev, Ph.D.</td>
<td>Assistant Professor</td>
<td>Univ. of Maryland, Baltimore</td>
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<tr>
<td>Joshua Meizrich, M.D.</td>
<td>Assistant Professor</td>
<td>Univ. of Wisconsin-Madison</td>
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<tr>
<td>Manoj K. Mishra, Ph.D.</td>
<td>Assistant Professor</td>
<td>Univ. of Alabama</td>
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<td>Emiko Mizoguchi, M.D., Ph.D.</td>
<td>Assistant Professor</td>
<td>Harvard Med. Sch.</td>
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<tr>
<td>Srinivas Nagaraj, Ph.D.</td>
<td>Assistant Professor</td>
<td>Univ of South Florida</td>
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<tr>
<td>Roza R. Nurieva, Ph.D.</td>
<td>Assistant Professor</td>
<td>MD Anderson Cancer Ctr.</td>
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<tr>
<td>Joshua J. Obar, Ph.D.</td>
<td>Assistant Professor</td>
<td>Montana State Univ.</td>
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<tr>
<td>Kevin C. O’Connor, Ph.D.</td>
<td>Assistant Professor</td>
<td>Yale Sch. of Med.</td>
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<tr>
<td>Michelle A. Parent, Ph.D.</td>
<td>Assistant Professor</td>
<td>Univ. of Delaware</td>
</tr>
<tr>
<td>Danie Parker, D.O., Ph.D.</td>
<td>Associate Research Scientist</td>
<td>Columbia Univ.</td>
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<td>Kimberly J. Payne, Ph.D.</td>
<td>Assistant Professor</td>
<td>Mayo Clin. Col. of Med.</td>
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<tr>
<td>Adrian M. Piliponsky, Ph.D.</td>
<td>Assistant Professor</td>
<td>Stanford Children’s Res. Inst.</td>
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<tr>
<td>Martin Pric, Ph.D.</td>
<td>Assistant Professor</td>
<td>Univ. of Arizona</td>
</tr>
<tr>
<td>Ziaur Rahman, M.D., Ph.D.</td>
<td>Research Assistant Professor</td>
<td>Thomas Jefferson Univ.</td>
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<tr>
<td>Lisa K. Ryan, Ph.D.</td>
<td>Assistant Professor</td>
<td>UMDNJ, New Jersey Med. Sch.</td>
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<tr>
<td>Surojit Sarkar, Ph.D.</td>
<td>Assistant Professor</td>
<td>Pennsylvania State Univ.</td>
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<tr>
<td>Ram Savan, Ph.D.</td>
<td>Assistant Professor</td>
<td>Univ. of Washington</td>
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<tr>
<td>Hilde Schijven, Ph.D.</td>
<td>Assistant Project Scientist</td>
<td>Univ. of California, Los Angeles</td>
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<tr>
<td>Nathalie Scholler, M.D., Ph.D.</td>
<td>Assistant Professor</td>
<td>Univ. of Pennsylvania Sch. of Med.</td>
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<tr>
<td>Sarita Sehra, Ph.D.</td>
<td>Research Assistant Professor</td>
<td>Indiana Univ. Sch. of Med.</td>
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<tr>
<td>Anil Shanker, Ph.D.</td>
<td>Assistant Professor</td>
<td>Meharry Med. Col. Sch. of Med.</td>
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<tr>
<td>Rajesh K. Sharma, Ph.D.</td>
<td>Instructor</td>
<td>Univ. of Louisiana</td>
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<tr>
<td>Michiko Shimoda, Ph.D.</td>
<td>Assistant Professor</td>
<td>Georgia Hth. Sci. Univ.</td>
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<tr>
<td>Tahiyo Taekwang Shin, M.D., Ph.D.</td>
<td>Assistant Professor</td>
<td>Univ. of Texas Hth. Sci. Ctr. at San Antonio</td>
</tr>
</tbody>
</table>
### 2012 AAI EARLY CAREER FACULTY TRAVEL GRANT RECIPIENTS

- **Rajesh Singh, Ph.D.**
  Instructor
  Morehouse Sch. of Med.
- **Udai P. Singh, Ph.D.**
  Assistant Professor
  Univ. of South Carolina Sch. of Med.
- **Ronald B. Smeltz, Ph.D.**
  Assistant Professor
  Virginia Commonwealth Univ.
- **Judith A. Smith, M.D., Ph.D.**
  Assistant Professor
  Univ. of Wisconsin-Madison
- **Michelle L. D. Snyder, Ph.D.**
  Assistant Professor
  Towson Univ.
- **Jianxun Song, Ph.D.**
  Assistant Professor
  Pennsylvania State Univ. Col. of Med.
- **Christian Stehlik, Ph.D.**
  Assistant Professor
  Northwestern Univ. Feinberg Sch. of Med.
- **Heather W. Stout-Delgado, Ph.D.**
  Associate Staff Scientist
- **Tara M. Strutt, Ph.D.**
  Instructor
  Univ. of Massachusetts Med. Sch.
- **Joseph C. Sun, Ph.D.**
  Assistant Professor
  Mem. Sloan-Kettering Cancer Ctr.
- **Keer Sun, Ph.D.**
  Assistant Professor
  Albany Med. Col.
- **Susmit Suvas, Ph.D.**
  Assistant Professor
  Oakland Univ.
- **Paul Thomas, Ph.D.**
  Assistant Member
- **Vladimir Y. Toshchakov, Ph.D.**
  Assistant Professor
  Univ. of Maryland Sch. of Med.
- **Heth R. Turnquist, Ph.D.**
  Assistant Professor
  Univ. of Pittsburgh Sch. of Med.
- **Matam Vijay-Kumar, Ph.D.**
  Assistant Professor
  Georgia State Univ.
- **Fengyi Wan, Ph.D.**
  Assistant Professor
  Johns Hopkins Bloomberg Sch. of Publ. Hlth.
- **George Wang, M.D.**
  Assistant Professor
  Johns Hopkins Univ. Sch. of Med.
- **Pamela A. Wearsch, Ph.D.**
  Assistant Professor
  Case Western Reserve Univ.
- **Yutao Yan, M.D., Ph.D.**
  Assistant Professor
  Georgia State Univ., Atlanta VA Med. Ctr.
- **Jun-Qi Yang, Ph.D.**
  Research Assistant Professor
  Univ. of Cincinnati Col. of Med.
- **Shiguang Yu, Ph.D.**
  Assistant Professor
  Arkansas State Univ.
- **Weiming Yuan, Ph.D.**
  Assistant Professor
  Univ. of Southern California
- **Vladimir Y. Toshchakov, Ph.D.**
  Assistant Professor
  Univ. of Maryland Sch. of Med.
- **As other AAI Awards are pending at the time of this newsletter, the preceding travel award and grant recipient lists may change slightly following the selection of recipients for additional awards. Lists published here are current as of 3/5/2012.
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- Lustgarten-eBioscience Memorial Award
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- AAI Trainee Abstract Awards
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- AAI-Life Technologies Trainee Achievement Awards

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- Henry J. Showell
  - Pfizer-Showell Travel Award

OTHER SUPPORTERS

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  - Support for AAI Trainee Abstract Awards

- IMGENEX Corporation
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2012 Introductory Course in Immunology
July 14–19, 2012 • The University of Pennsylvania, Philadelphia, Pennsylvania

Director: Christopher A. Hunter, Ph.D., University of Pennsylvania School of Veterinary Medicine
Co-Director: Terri M. Laufer, M.D., University of Pennsylvania School of Medicine

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
Christopher A. Hunter, University of Pennsylvania
School of Veterinary Medicine
Introduction to the Immune System
Kathleen E. Sullivan, Children’s Hospital of Philadelphia
Innate Immunity: Introduction to the Cells
Igor E. Brodsky, University of Pennsylvania
School of Veterinary Medicine
Innate Immunity: Introduction to Pattern Recognition and Intracellular Signaling
Jennifer A. Punt, Haverford College
Introduction to Adaptive Immunity
Michael P. Cancro, University of Pennsylvania
School of Medicine
Clonal Selection and V(D)J Recombination (B Cell Centric)
Terri M. Laufer, University of Pennsylvania
School of Medicine
MHC Restriction and Thymic Selection
Laurence C. Eisenlohr, Jefferson Medical College
Antigen Processing and Presentation
Edward M. Behrens, Children’s Hospital of Philadelphia
Dendritic Cells: The Bridge Between Innate and Adaptive Immunity
Gary A. Koretzky, University of Pennsylvania
School of Medicine
Signaling in the Immune System
Gudrun Philomena Fiona Debes, University of Pennsylvania School of Veterinary Medicine
 Trafficking of Immune Cells
Michael P. Cancro, University of Pennsylvania
School of Medicine
B Cell Homeostasis, Activation, and Memory Formation
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
Christopher A. Hunter, University of Pennsylvania
School of Veterinary Medicine
Cytokines
Jonathan S. Maltzman, University of Pennsylvania
School of Medicine
Solid Organ Transplantation
Cathryn Nagler, University of Chicago
Mucosal Immunology
David Artis, University of Pennsylvania School of Medicine
Type 2 Immunity and Parasitic Infections
Robert H. Vonderheide, University of Pennsylvania
School of Medicine
Tumor Immunology
Sunny Shin, University of Pennsylvania School of Medicine
Immunity to Bacterial Pathogens
Carolina B. Lopez, University of Pennsylvania
School of Veterinary Medicine
Immunity to Viruses
E. John Wherry, University of Pennsylvania
School of Medicine
Immunologic Memory
David B. Weiner, University of Pennsylvania
School of Medicine
Vaccination
Vijay K. Kuchroo, Brigham & Women’s Hospital, Harvard Medical School
Autoimmunity
Judy H. Cho, Yale School of Medicine
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. Financial support for underrepresented minority scientists is available through the FASEB MARC Program; for details, visit http://marc.faseb.org.
2012 Advanced Course in Immunology
July 29–August 3, 2012 • Seaport World Trade Center, Boston, Massachusetts
Course Director: Leslie J. Berg, Ph.D., University of Massachusetts Medical School
AAI Educational Programs Manager: Mary T. Litzinger, Ph.D.

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
Christine A. Biron, Brown University
Innate Immunity
Wayne M. Yokoyama, Washington University
School of Medicine
NK Cells—Their Receptors and Function
in Health and Disease
Gregory L. Stahl, Brigham & Women’s Hospital,
Harvard Medical School
Complement and Its Role in Human Disease
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
Ellen A. Robey, University of California, Berkeley
T Cell Development
Ulrich H. von Andrian, Harvard Medical School
Lymphocyte Trafficking
Kenneth L. Rock, University of Massachusetts
Medical School
MHC-Restricted Antigen Presentation
to T Cells
Susan M. Kaech, Yale School of Medicine
Lymphocyte Memory
Arthur Weiss, University of California,
San Francisco
Signaling from Antigen Receptors
Charlotte S. Kaetzel, University of Kentucky
College of Medicine
Mucosal Immunity
JoAnne L. Flynn, University of Pittsburgh
School of Medicine
Immune Response to Pathogens
Pamela S. Ohashi, Ontario Cancer Institute,
University of Toronto
Tolerance
Betty A. Diamond, The Feinstein Institute
for Medical Research
Autoimmunity
Robert Schreiber, Washington University
School of Medicine
Tumor Immunology
Jack A. Elias, Yale School of Medicine
New Concepts in the Pathogenesis of Asthma
Raff Geha, Children’s Hospital Boston,
Harvard Medical School
Immunodeficiencies: How to Find Them
Mary Collins, Pfizer (ret.)
Immunotherapeutics
Dan H. Barouch, Beth Israel Deaconess
Medical Center, Harvard Medical School
Vaccines

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. Financial support for underrepresented minority scientists is available through
the FASEB MARC Program; for details, visit http://marc.faseb.org.
EDITOR-IN-CHIEF
The Journal of Immunology

The American Association of Immunologists, Inc. (AAI) seeks applicants for the position of Editor-in-Chief (EIC) for its official publication, The Journal of Immunology (The JI).

The primary responsibility of the EIC is to maintain the role of The JI as a definitive resource for immunology research. He or she will do so by ensuring the scientific excellence of the content and integrity of the peer-review process. To that end, the EIC will recommend an editorial board for appointment by the AAI Publications Committee and approval by the AAI Council; be responsible for the oversight of editorial conduct and the peer-review process; address concerns of authors; and make final decisions on manuscript publication. The EIC will address allegations of author misconduct and act in accordance with The JI Editorial Policies and Practices and AAI policy.

The EIC is responsible to the AAI Publications Committee and, ultimately, to the AAI Council, and is an ex officio member of both groups.

Applicants are expected to have an accomplished scientific career with a significant publication record in addition to appropriate editorial experience. Candidates should possess strong leadership qualities, intellectual vision and outstanding interpersonal skills. Applicants must be members of AAI in good standing and are required to reside within the continental U.S.

The term of service for this position is from July 1, 2013, to June 30, 2018. The appointed EIC is expected to overlap with the incumbent EIC starting January 1, 2013, to ensure a smooth transition of responsibilities. This position is considered to be part-time. A stipend and associated expenses are provided.

Interested individuals are invited to submit an application package that includes a curriculum vitae; a succinct letter of interest and qualifications; a statement on the possible conceptual direction of The JI in its pursuit of scientific excellence; and innovations that may be considered.

Applications will be accepted through May 31, 2012. Please mail or e-mail them to:

Chair
AAI Publications Committee c/o AAI
9650 Rockville Pike
Bethesda, MD 20814
EICsearch@aai.org
EOE
AAI is offering career services to both job seekers and employers through a Jobs Board free to meeting registrants and exhibitors at www.immunology2012.org/Attendees/jobsboard.html.

**Job Seekers!** Whatever your career stage, use this career service at IMMUNOLOGY 2012™ to enhance your professional development!

- **Job Postings.** Review the online AAI Jobs Board to identify postings you wish to pursue. (View new Advance Postings through April 30. Watch for Onsite Postings, online or on paper in the AAI Booth!)

- **Direct Access to Recruiters.** Job postings will include recruiters’ e-mail addresses so that you can contact them directly.

**Employers!** Advertise your position on a virtual Jobs Board located on the IMMUNOLOGY 2012™ website. By including a contact email, you will receive inquiries directly.

- **Advance Postings.** Postings will be accepted as of February 1, 2012, and will remain online until the end of the meeting. To post job listings in advance of the meeting, contact meetings@aai.org. Advance postings must be submitted to AAI by April 30, 2012.

- **Onsite Postings.** After April 30, 2012, employers wishing to advertise a job on the IMMUNOLOGY 2012™ website may still do so by visiting the AAI Office in the Hynes Center, Room 300, between 9:00 AM and 5:00 PM.

  You may also post a paper announcement on the bulletin board in the AAI Booth in the Exhibit Hall.

**Save Thousands of Dollars in Recruiting Expenses.** Take advantage of this complimentary hiring opportunity at IMMUNOLOGY 2012™. To register for the meeting, visit www.immunology2012.org/Attendees/registration.html.
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Dos and Don’ts for Authors and Reviewers

Collected articles based upon presentations given at a special session of the AAI Publications Committee at IMMUNOLOGY 2009™ in Seattle, Washington
May 10, 2009

Reprinted from the AAI Newsletter, November 2009–May 2010
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GRIP
Grant Review for Immunologists Program

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 PIs with established PIs who have significant, successful grant writing careers. The Grant Review for Immunologists Program (GRIP) invites new PIs 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 PIs to meet upcoming NIH grant deadlines. Participation is open only to AAI members and is strictly voluntary. The program 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 PIs) or grant reviewing experience (established PIs) to infoaai@aai.org (please write “GRIP” in the subject line).

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

Recognizing Scientists of Distinction at Every Career Stage

In 2011

The American Association of Immunologists

Honored Over 540 Members by Conferring More than $500,000 in Awards and Travel Grants

<table>
<thead>
<tr>
<th>Career Stage</th>
<th>Awards</th>
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<tr>
<td>Advanced Career</td>
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<tr>
<td>Mid Career</td>
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<tr>
<td>Early Career</td>
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<td>$140,000</td>
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<td>Trainee</td>
<td>330</td>
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</tbody>
</table>

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