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The American Association of Immunologists

Career Award Recipients for 2014

The American Association of Immunologists proudly announces the 2014 recipients of AAI awards for outstanding research and career achievements.

The 2014 AAI Award winners will be recognized at IMMUNOLOGY 2014™
May 2–6, Pittsburgh, Pennsylvania.

AAI Lifetime Achievement Award
In recognition of a career of scientific achievement and contributions to AAI and fellow immunologists

Emil R. Unanue, M.D.
Washington University
School of Medicine

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

William E. Paul, M.D.
National Institute of Allergy and Infectious Diseases
National Institutes of Health

AAI-Steinman Award for Human Immunology Research
For significant, sustained achievement in immunology research pertinent to human disease pathogenesis, prevention, or therapy

Carl H. June, M.D.
University of Pennsylvania
Perelman School of Medicine

AAI-Life Technologies Meritorious Career Award
For outstanding research contributions to the field of immunology

Timothy A. Springer, Ph.D.
Boston Children’s Hospital
Harvard Medical School

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

Katherine A. Fitzgerald, Ph.D.
University of Massachusetts Medical School

AAI Distinguished Service Award
In recognition of distinguished scientific accomplishment and extraordinary service to AAI

For outstanding service to AAI and the immunology community as Editor-in-Chief of The Journal of Immunology, 2008–2013

Jeremy M. Boss, Ph.D.
Emory University School of Medicine

For outstanding service to AAI and the immunology community as Chair of the AAI Program Committee, 2009–2012

Kristin A. Hogquist, Ph.D.
University of Minnesota Center for Immunology
AAI PRESIDENT’S PROGRAM

AAI President’s Address
FRIDAY, MAY 2, 5:00 PM – 6:00 PM
Marc K. Jenkins
University of Minnesota Medical School, AAI President

*The in vivo response of naive CD4+ T cells*

Stephen D. Miller
Northwestern University Feinberg School of Medicine

Introduction

AAI President’s Symposium: Anatomy of the Immune Response

*Dedicated to the Memory of our Colleague and Friend, Leo Lefrançois, Jr., Ph.D.*

MONDAY, MAY 5, 12:30 PM – 2:30 PM
Spirit of Pittsburgh Ballroom

Chair:
Marc K. Jenkins, University of Minnesota Medical School, AAI President

Speakers:
Ronald N. Germain, NIAID, NIH
*Visualizing the dynamics and micro-anatomy of the immune system: how this complex machine really works*

Michel C. Nussenzweig, HHMI, Rockefeller University
*Antibodies in HIV vaccine and therapy*

Ellen A. Robey, University of California, Berkeley
*Visualizing T cell selection in the thymus*

Jason G. Cyster, HHMI, University of California, San Francisco
*Deciphering the guidance cue code for B cell immunity*
During my postdoctoral years at the NIH as a self-respecting 96-well plate immunologist, I was amazed by the work of Ian MacLennan and Garnet Kelsoe, who were using immunohistology to study germinal centers. Their efforts convinced me that in vivo and, even better, in situ approaches were the best ways to study the immune response, especially if antigen-specific lymphocytes could be mapped onto the body’s geography. Research in this area blossomed in the last two decades, revealing fundamental information about how lymphocytes enter, exit, and move within lymphoid organs and how antigen-specific T and B cells, and dendritic cells, initially find each other, become activated, enter germinal centers, and migrate to non-lymphoid organs during immune responses.

The President’s Symposium this year features leaders who made many of the discoveries mentioned above.

Ronald Germain was one of the first to produce dynamic images of T cells interacting with antigen-bearing dendritic cells in lymph nodes. Imaging studies from his group have shown how T cells and dendritic cells sense chemokines to facilitate their interactions before and after foreign antigens enter the body. His recent work is producing insights into how effector T cells become activated in the non-lymphoid organs.

Ellen Robey used real-time two-photon microscopy to study the cellular dynamics of CD8+ T cells and dendritic cells in lymph nodes. She revealed that T cells scan many dendritic cells in the absence of antigen but stop on antigen-bearing dendritic cells for hours. Her group has also characterized the dynamic interactions of thymocytes and thymic epithelial cells during positive and negative selection.

Michel Nussenzweig discovered that dendritic cells can induce tolerance and that self-reactive B cells are abundant in the repertoire. His work has also been essential to the current understanding of somatic mutation, class-switch combination, and formation of neutralizing antibodies to HIV. His dynamic imaging studies have identified many of the important events in affinity maturation in germinal centers.

Jason Cyster revealed the key role that S1PR plays in lymphocyte egress from lymphoid organs and how chemokines direct the migration and positioning of B cells in the body. He discovered that CXCR5 directs the migration of activated T cells to follicles, setting the stage for much later work on follicular helper T cell–B cell interactions.

Please join me at the IMMUNOLOGY 2014™ President’s Symposium to see the latest discoveries by these outstanding investigators. The science should be enlightening and the presentations entertaining, with lots of colorful cells scurrying about. Someone bring the popcorn!
AAI Lifetime Achievement Award Presentation
FRIDAY, MAY 2, 5:00 PM
Spirit of Pittsburgh Ballroom
Chair: Marc K. Jenkins, University of Minnesota Medical School
AAI President
Award Recipient: Emil R. Unanue, Washington University School of Medicine
AAI President Marc K. Jenkins will introduce the awardee and present the award prior to the start of the President’s Address. 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.

AAI Excellence in Mentoring Award Presentation
MONDAY, MAY 5, 12:30 PM
Spirit of Pittsburgh Ballroom
Chair: Marc K. Jenkins, University of Minnesota Medical School
AAI President
Award Recipient: William E. Paul, NIAID, NIH
AAI President Marc K. Jenkins will introduce the awardee and present the award prior to the start of the President’s Symposium. The AAI Excellence in Mentoring Award recognizes exemplary career contributions to a future generation of scientists.

AAI Distinguished Lecturers
SATURDAY, MAY 3
6:00 PM – 6:45 PM
Kristin A. Hogquist
University of Minnesota Center for Immunology
Self reactivity in T cell selection and homeostasis

SUNDAY, MAY 4
6:00 PM – 6:45 PM
Ellen V. Rothenberg
California Institute of Technology
Gene regulatory pathways to T cell identity

MONDAY, MAY 5
6:00 PM – 6:45 PM
Mark J. Shlomchik
University of Pittsburgh School of Medicine
NETworks in lupus: T-B or not T-B, DC is the question
Join us for the

IMMUNOLOGY 2014™

Opening Night Welcome Reception

Generously Sponsored by eBioscience, An Affymetrix Company

David L. Lawrence Convention Center • Pittsburgh, Pennsylvania

Friday, May 2, 2014 • 6:00 PM – 8:00 PM

Come directly from the President’s Address to the Lawrence Center Terraces overlooking the Allegheny River and the Pittsburgh skyline. Enjoy drinks, hors d’oeuvres, and the Boilermaker Jazz Band as you visit with colleagues and plan your week.

Open to all IMMUNOLOGY 2014™ attendees. Meeting badge required for entrance. Attendees must be at least 21 years of age.
AAI-BD Biosciences Investigator Award Presentation and Lecture

Generously supported by BD Biosciences

SATURDAY, MAY 3, 4:00 PM – 5:00 PM
Spirit of Pittsburgh Ballroom

Chair: Marc K. Jenkins, University of Minnesota Medical School
AAI President

Award Recipient: Katherine A. Fitzgerald, University of Massachusetts Medical School
Molecular basis of recognition and gene regulation in innate immunity
AAI President Marc K. Jenkins and a representative of BD Biosciences will introduce the awardee and present the award immediately prior to Dr. Fitzgerald’s lecture.

AAI-Life Technologies Meritorious Career Award Presentation and Lecture

Generously supported by Life Technologies Corporation

SUNDAY, MAY 4, 4:00 PM – 5:00 PM
Spirit of Pittsburgh Ballroom

Chair: Marc K. Jenkins, University of Minnesota Medical School
AAI President

Award Recipient: Timothy A. Springer, Boston Children’s Hospital and Harvard Medical School
Integrins, gliding adhesins, and malaria vaccines
AAI President Marc K. Jenkins and a representative of Life Technologies Corporation will introduce the awardee and present the award immediately prior to Dr. Springer’s lecture.

AAI-Steinman Award for Human Immunology Research Presentation and Lecture

MONDAY, MAY 5, 4:00 PM – 5:00 PM
Spirit of Pittsburgh Ballroom

Chair: Marc K. Jenkins, University of Minnesota Medical School
AAI President

Award Recipient: Carl H. June, University of Pennsylvania Perelman School of Medicine
Adventures with CARs for cancer
AAI President Marc K. Jenkins will introduce the awardee and present the award immediately prior to Dr. June’s lecture.

AAI BUSINESS MEETING & AWARDS PRESENTATIONS

SATURDAY, MAY 3, 1:30 PM - 2:30 PM

This session will include the annual report to AAI members on AAI and The Journal of Immunology business affairs and will feature special 2014 AAI award presentations and acknowledgments. Refreshments will be provided.

AAI Distinguished Service Award Presentations

SATURDAY, MAY 3, 1:30 PM – 2:30 PM

Kristin A. Hogquist, University of Minnesota Center for Immunology
For outstanding service to AAI and the immunology community as Chair of the AAI Program Committee, 2009–2012

Jeremy M. Boss, Emory University School of Medicine
For outstanding service to AAI and the immunology community as Editor-in-Chief of The Journal of Immunology, 2008–2013

AAI annually provides travel awards and grants to recognize the promise and bolster the professional development of young investigators, trainees, and under-represented minority scientists and trainees. Travel award and grant presentations and acknowledgments will include:

Presentations
- AAI-Life Technologies Trainee Achievement Awards
- Lefrançois-BioLegend Memorial Award
- Chambers-eBioscience Memorial Award
- Lustgarten-eBioscience Memorial Award
- Pfizer-Showell Travel Award
- AAI Early Career Faculty Travel Grants
- AAI Undergraduate Faculty Travel Grants
- AAI Laboratory Travel Grants

Acknowledgements
- AAI Minority Scientist Travel Awards
- Sponsored by FASEB MARC Program under a grant from NIGMS, NIH [FASEB MARC Program: T36-GM08059-31]
- AAI Trainee Abstract Awards
- AAI Trainee Poster Awards
SATURDAY, MAY 3, 8:00 AM – 11:30 AM

**Major Symposium A: Underlying Mechanisms of Autoimmunity**

*Chairs:*
- Ann Marshak-Rothstein, University of Massachusetts Medical School
- Daniel B. Stetson, University of Washington

*Speakers:*
- Daniel B. Stetson, University of Washington
  *Endogenous retroelements and autoimmune disease*
- Virginia Pascual, Baylor Institute for Immunology Research
  *Novel innate immunity pathways contribute to human lupus pathogenesis*
- Amit Bar-Or, Montreal Neurological Institute, McGill University
  *B cell: T cell interactions in autoimmunity*
- Ann Marshak-Rothstein, University of Massachusetts Medical School
  *Systemic autoimmune disease – Why TLR7?*
- Alexander V. Chervonsky, University of Chicago
  *Microbial contribution to autoimmunity*
- Jayne Danska, Hospital for Sick Children
  *Ménage à trois: genes, sex, and microbes in autoimmunity*

**Major Symposium B: Cytokines: In Sickness and in Health**

*Chairs:*
- Sarah L. Gaffen, University of Pittsburgh
- Achsah D. Keegan, University of Maryland School of Medicine

*Speakers:*
- Georgia Perona-Wright, University of British Columbia
  *The impact of indiscriminate cytokine signaling in infection*
- Achsah D. Keegan, University of Maryland School of Medicine
  *Alternative activation of macrophages by IL-4 and IL-13: contribution to severity of allergic lung inflammation*
- Sharon S. Evans, Roswell Park Cancer Institute
  *The two faces of IL-6 in the tumor microenvironment*
- Sandip K. Datta, NIAID, NIH
  *Cytokine regulation of Staphylococcus aureus infections*
- Sarah L. Gaffen, University of Pittsburgh
  *Straight from the mouse’s mouth: IL-17 signaling and oral immunity to fungi*
- Jean-Laurent Casanova, HHMI, Rockefeller University
  *Toward a genetic theory of childhood infectious diseases*

SUNDAY, MAY 4, 8:00 AM – 11:30 AM

**Major Symposium C: The Female Reproductive Tract: From Infection to Pregnancy**

*Chairs:*
- Adrian Erlebacher, New York University School of Medicine
- Akiko Iwasaki, Yale School of Medicine

*Speakers:*
- Michael N. Starnbach, Harvard Medical School
  *Chlamydia trachomatis manipulates immunity in the genital tract*
- Ashley T. Haase, University of Minnesota
  *Vaccine strategies to concentrate immune defenses at mucosal frontlines*
- Akiko Iwasaki, Yale School of Medicine
  *Tissue-resident memory T cell protection against HSV-2*
- Sing Sing Way, Cincinnati Children’s Hospital
  *Epigenetics of immune privilege in the pregnant uterus*
- Francesco Colucci*, University of Cambridge
  *Maternal immune cells and fetal compatibility genes*  
  *Supported by the British Society for Immunology*

**Major Symposium D: Regulation of Gene Expression and Immunity**

*Chairs:*
- Peter D. Katsikis, Drexel University College of Medicine
- Carola G. Vinuesa, Australian National University

*Speakers:*
- Peter D. Katsikis, Drexel University College of Medicine
  *miRNA and CTL responses*
- Karla Kirkegaard, Stanford University School of Medicine
  *Function of a long noncoding RNA in pathogen susceptibility and IFN-gamma synthesis*
- Rafael Casellas, NIAMS, NIH
  *The nature of AID off-targeting activity*
- Alexander Tarakhovsky, Rockefeller University
  *Epigenetic control of antiviral response*
- Martin Turner, Babraham Institute
  *The regulation of lymphocyte development by RNA binding proteins*
- Carola G. Vinuesa, Australian National University
  *miRNA-mediated control of Tfh cells and germinal center responses*
Major Symposium E: Fueling Immunity: Metabolic Effects in and on the Immune System

Chairs:
Douglas R. Green, St. Jude Children's Research Hospital
Barbara S. Nikolajczyk, Boston University School of Medicine

Speakers:
Douglas R. Green, St. Jude Children's Research Hospital
Metabolic reprogramming in activated T cells
Steven J. Bensinger, University of California, Los Angeles
SREBPs are required for metabolic reprogramming of effector T cells
Erika L. Pearce, Washington University School of Medicine
Metabolic regulation of T cell function and fate
Barbara S. Nikolajczyk, Boston University School of Medicine
Lymphocytes regulate inflammation in human type 2 diabetes
Vishwa Deep Dixit, Yale School of Medicine
Immunometabolic control of age-related inflammation
Myriam Aouadi, University of Massachusetts Medical School
Role of adipose tissue macrophages in the regulation of whole body metabolism

Major Symposium F: Progress and Challenges in Vaccines for the Major Killers: Malaria, Tuberculosis, and HIV/AIDS

Chairs:
John T. Harty, University of Iowa
JoAnne L. Flynn, University of Pittsburgh School of Medicine

Speakers:
Robert A. Seder, NIAID, NIH
Translational development of a malaria vaccine from bench to bedside: is it prime time for T cells?
John T. Harty, University of Iowa
Breaking, making, and breaking immunity during malaria infection
Willem Hanekom, University of Cape Town and Gates Foundation
Toward understanding vaccination-induced protection against tuberculosis
JoAnne L. Flynn, University of Pittsburgh School of Medicine
Variability among and within hosts in tuberculosis
Pamela J. Bjorkman, HHML, California Institute of Technology
Engineering improved antibodies against HIV
Dan Barouch, Beth Israel Deaconess Medical Center
Novel HIV vaccine strategies

Major Symposium G: Deciphering the Roles for Innate Lymphoid Cells in Health and Disease

Chairs:
James P. Di Santo, Institut Pasteur
Fumio Takei, University of British Columbia

Speakers:
James P. Di Santo, Institut Pasteur
Transcriptional regulation of innate lymphoid cell differentiation
Nadine Cerf-Bensussan, Institut IMAGINE and Université Paris Descartes-Sorbonne Paris Cité
 Gut innate lymphoid cells and intestinal lymphomagenesis
Michael A. Caligiuri, Ohio State University
Human NK cell development: sorting out the ILCs
Gregory F. Sonnenberg, University of Pennsylvania
Innate lymphoid cell regulation of adaptive immunity and intestinal homeostasis
Bruce D. Levy, Brigham & Women’s Hospital and Harvard Medical School
Specialized pro-resolving mediators regulate innate lymphoid cells
Fumio Takei, University of British Columbia
ILC2 and allergic lung inflammation

Major Symposium H: Macrophages and DCs in Vascular Inflammation

Chairs:
Klaus Ley, La Jolla Institute for Allergy & Immunology
Eicke Latz, University of Bonn and University of Massachusetts Medical School

Speakers:
Eicke Latz, University of Bonn and University of Massachusetts Medical School
Role of inflammasomes in vascular inflammation
David M. Mosser, University of Maryland, College Park
The regulation of inflammation by macrophages
Filip K. Swirski, Massachusetts General Hospital and Harvard Medical School
Monocyte flux and macrophage proliferation in atherosclerosis
Klaus Ley, La Jolla Institute for Allergy & Immunology
Antigen presentation in the atherosclerotic aorta
Cornelia M. Weyand, Stanford University School of Medicine
Dendritic cell function in large vessel vasculitis
Jacques F. Banchereau, Jackson Laboratory for Genomic Medicine
Harnessing human dendritic cell subsets for next generation vaccines
AII COMMITTEE ON PUBLIC AFFAIRS

Rock Talk-ing With Sally Rockey: The Issues, the Blog, and the Woman Behind It All
SUNDAY, MAY 4, 12:30 PM – 2:00 PM
Chair:
Elizabeth J. Kovacs, Chair, AAI Committee on Public Affairs
Speaker:
Sally Rockey
Deputy Director for Extramural Research and Director, Office of Extramural Research, NIH

So you get the blog, and you read it, and you sometimes even comment. The issues raised are important and thought-provoking, and the questions asked can be provocative. But the person who writes this blog is also a senior leader at NIH who has influence over NIH policy, particularly, over many of the key issues that affect you. Who is she and what do you want her to know about you (an extramural researcher facing sequestration)? Come to this session to meet Sally Rockey, to learn about upcoming NIH plans for the extramural research community, and to get answers to the questions you’ve always wanted to ask.

AII CLINICAL IMMUNOLOGY COMMITTEE

Personalized Medicine from an Immunologist’s Perspective
SATURDAY, MAY 3, 3:45 PM – 5:45 PM
Chairs:
Robert L. Modlin, University of California, Los Angeles
Charles A. Dinarello, University of Colorado Denver

The integration of basic research and clinical knowledge has led to an ever-increasing repertoire of personalized strategies for the treatment and prevention of a variety of infectious and inflammatory diseases. A major focus of this session will be on systems medicine approaches to identify biomarkers and targets for both prevention and intervention in human disease.

Speakers:
Kenneth G. C. Smith, University of Cambridge
Immune-mediated disease: the genomics of clinical outcome
Charles A. Dinarello, University of Colorado Denver
Blocking IL-1 in inherited rare diseases and in common diseases
Denise E. Kirschner, University of Michigan Medical School
A systems biology approach to understanding the immune response to Mycobacterium tuberculosis
Bali Pulendran, Emory University Vaccine Research Center,
Systems vaccinology: enabling rational vaccine design with systems biology

AII EDUCATION COMMITTEE

AAI High School Teachers Summer Research Program Workshop: Lessons in Immunology
SATURDAY, MAY 3, 8:00 AM – 10:00 AM
Chair:
Clinton B. Mathias, Western New England University

The AAI High School Teachers Summer Research Program brings the excitement of immunology directly to high school students through curricula developed by participating high school teachers. This program pairs high school science teachers with established AII member immunologists who mentor them in their laboratories in a “hands-on” summer internship. The teachers develop a science project for the classroom based on their summer research experience. In this session, 2013-2014 participating high school teachers will present their experiences and projects.

Speakers:
Robert Aguilar, Western Reserve Academy, Hudson, Ohio
Andrea Cobb, Thomas Jefferson High School for Science and Technology, Alexandria, Virginia
Mark Trice, Frederick High School, Frederick, Maryland
Matthew S. Young, A&M Consolidated High School

Careers in Biotech: Panel Discussion and Networking
SATURDAY, MAY 3, 7:00 PM – 9:00 PM
Chair:
Nandita Bose, Biothera

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, medical liaison, and more. This panel features scientists employed in a variety of positions in industry, who will 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.

Panelists:
Elizabeth L. Bachert, Senior Director, Worldwide Business Development, Pfizer
Jane Grogan, Senior Scientist, Genentech
James Huleatt, Deputy Director, Global Clinical Immunology Sanofi Pasteur
Thomas MacAllister, Chief Development Officer, Besins Healthcare
Jeffrey Rossio, Director, R&D, Immunoassay Development Life Technologies Corporation

www.IMMUNOLOGY2014.org
AAI EDUCATION COMMITTEE &
AAI COMMITTEE ON THE STATUS OF WOMEN

Careers in Science Roundtable
SUNDAY, MAY 4, 11:30 AM – 1:00 PM

Chair:
Scheherazade Sadeh-Nasseri, Johns Hopkins Medical Institute; Chair, AAI Committee on the Status of Women

Registration Fee: $20 (Lunch included)

At this always popular session, you’ll have the opportunity to meet with scientists at your own career stage and with more experienced scientists to explore specific career issues important to men and women in science today. Learn what others are thinking and gain insights into issues you are confronting in your own situation. New topics this year offer insights into NIH Study Sections and considerations for scientists in M.D.-Ph.D. careers. Choose from these and the other vital topics related to the environment you work in (academic research, biotech industry, governmental agencies, non-profits), the transitions from specific career stages, or issues in balancing career and family in any career path. Don’t miss this great networking opportunity!

Discussion topics and table leaders:

Research Careers in Academia

- Graduate Student to Postdoc: finding a postdoc, interviewing
  Table Leaders: Carol F. Webb, Oklahoma Medical Research Foundation; Michelle A. Parent, University of Delaware
- Postdoc to PI: finding a position, negotiating, lab start-up
  Table Leaders: Deborah M. Brown, University of Nebraska, Lincoln; Shabaana A. Khader, Washington University
- New PI: attracting students and postdocs, preparing for tenure
  Table Leaders: Akiko Iwasaki, HHMI, Yale School of Medicine; Robin Stephens, University of Texas Medical Branch
- Undergraduate Institutions: finding the balance in teaching, doing research
  Table Leaders: Paula Lutz, University of Wyoming; Laurie Shornick, St. Louis University
- Mentoring Effectively
  Table Leaders: Gail A. Bishop, University of Iowa; Laura Haynes, University of Connecticut Health Center; Janice S. Blum, Indiana University School of Medicine

How to Build a Network
Table Leaders: Sarah L. Gaffen, University of Pittsburgh; Paula M. Oliver, University of Pennsylvania

Career and Family: time management/family leave/professional couples
Table Leaders: Susan Kovats, Oklahoma Research Foundation; Carolina B. Lopez, University of Pennsylvania School of Veterinary Medicine; Lisa K. Denzin, Rutgers Robert Wood Johnson Medical School

Careers in Biotech and Industry: moving from academia to industry and vice versa
Table Leaders: Jane Grogan, Genentech; Mandy J. McGeachy, University of Pittsburgh; Theresa Schaub, eBioscience, an Affymetrix company

Research Careers at Governmental Agencies (FDA/NIH/USDA/CDC)
Table Leaders: Carol H. Pontzer, NCCAM, NIH; David H. Margulies, NIAID, NIH

NIH Study Section Insights
Table Leaders: Scheherazade Sadeh-Nasseri, Johns Hopkins Medical Institute; Virginia Shapiro, Mayo Clinic

The Physician Scientist: balancing clinical and research duties
Table Leaders: Penelope A. Morel, University of Pittsburgh; Robert L. Ferris, University of Pittsburgh

Research from the M.D., Ph.D. Perspective
Table Leaders: Mary Beth Humphrey, Oklahoma University Health Sciences Center; Wayne M. Yokoyama, HHMI, Washington University School of Medicine

Non-Research Careers for Scientists: careers in scientific journals, public policy, non-profits
Table Leaders: Mary T. Litzinger, American Association of Immunologists; Elizabeth R. Walsh, American Association of Immunologists (Two Ph.D. immunologists serving the AAI as manager of educational and career development programs, and science liaison, respectively)
AAI MEMBERSHIP COMMITTEE

New Member Reception
FRIDAY, MAY 2, 4:00 PM – 4:45 PM

Chair:
Judith A. Owen, Haverford College; Chair, AAI Membership Committee

AAI wishes to welcome new Regular and Associate members joining AAI for the first time. AAI President Marc Jenkins 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 Roundtable and (NEW!) Speed Networking Session
SATURDAY, MAY 3, 11:45 AM – 2:15 PM

Supported in part by a grant to the Federation of American Societies for Experimental Biology (FASEB) from the National Institute of General Medical Sciences (NIGMS), National Institutes of Health [FASEB MARC Program: T36-GM08059-31]

Chair:
Adriana Larregina, University of Pittsburgh; Chair, AAI Minority Affairs Committee

Registration Fee: $20 (Includes lunch; coffee/cookies during networking hour.)

Networking skills have never been more crucial to ensure success for early/mid-career scientists, including those traditionally under-represented in biomedical research. At the roundtable, take advantage of the opportunity to meet in small-group format with accomplished, senior immunologists to hear how they have handled the career challenges you now face and learn what they believe will work for you today. Then practice networking in a relaxed environment offering a structured networking exercise and personalized feedback on communicating your scientific interests/objectives most effectively.

Roundtable discussion topics and table leaders:
Grad Student: finding a mentor; taking aim at postdoc training
Table Leader: Santiago Partida-Sanchez, Nationwide Children’s Hospital

Eduardo Davila, University of Maryland Greenebaum Cancer Center

Postdoc: finding a mentor; taking aim at a faculty position
Table Leader: Jose A. Guevara-Patino, Loyola University

Junior Faculty: preparing for promotion and tenure
Table Leader: Adriana T. Larregina, University of Pittsburgh

Academia or Industry: how to decide (or switch sides)
Table Leaders: Jonathan A. Deane, GNF/Novartis; Cherié L. Butts, Biogen Idec

AAI PROGRAM COMMITTEE

Back to School: A Review of Four Fast-Moving Fields
FRIDAY, MAY 2, 2:30 PM – 4:30 PM

Chairs:
David Masopust, University of Minnesota
Leslie J. Berg, University of Massachusetts Medical School

This workshop intends to bring a broad audience up-to-date on a few emerging or rapidly changing fields or areas of technological innovation. Expert lecturers will provide an overview of each trending topic with an emphasis on communicating big picture concepts.

Speakers:
David A. Largaespada, University of Minnesota
Engineering cells using transposons and site-specific endonucleases

Richard M. Locksley, HHMI, University of California San Francisco
Innate lymphoid cells

Katherine A. Fitzgerald, University of Massachusetts Medical School
Long non-coding RNA: new players in gene regulation and host defense

Kenneth M. Murphy, HHMI, Washington University School of Medicine
Dendritic cell development and subset function

Government Agency Careers: CDC, FDA, NIH
Table Leader: Marta Catalfamo, NIAID, NIH

Non-Research Careers: science journalism, patent law, biomedical entrepreneurship
Table Leader: TBA

AAI COMMITTEE – SPONSORED SESSIONS

www.IMMUNOLOGY2014.org
**AAI PUBLICATIONS COMMITTEE**

*Publishing Your Scientific Work: Tips on Writing, Responding to Reviewers, and Avoiding Ethical Pitfalls*

**SUNDAY, MAY 4, 12:30 PM – 2:00 PM**

*Chairs:*
- Eugene M. Oltz, Washington University School of Medicine
- Pamela J. Fink, University of Washington School of Medicine

*Editor-in-Chief, The Journal of Immunology*

Your data may be good and your findings may be significant, but your manuscript will navigate peer review more smoothly if you present your findings well. What steps can an author take to improve data presentation? What is considered an inappropriate, even unethical, presentation of data? What will make the manuscript easier for the reviewer to read and evaluate? How can the author best respond to reviewers? With ample time for questions and answers at the end of the session, experienced editors will address these and other questions about scientific publishing in this session sponsored by the AAI Publications Committee.

*Speakers:*
- Eugene M. Oltz, Washington University School of Medicine

Writing a scientific manuscript: How should I tell my story and to whom should I tell it?

- Kristin A. Hogquist, University of Minnesota

Responding to reviewers: What you want to say and what you should say

- Pamela J. Fink, University of Washington School of Medicine

Editor-in-Chief, The Journal of Immunology

If it feels wrong, it probably is

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**AAI VETERINARY IMMUNOLOGY COMMITTEE & AMERICAN ASSOCIATION OF VETERINARY IMMUNOLOGISTS (AAVI) JOINT SYMPOSIUM**

*Vaccines for the Modern Era: Implications for Human and Animal Health*

**SATURDAY, MAY 3, 12:30 PM – 2:30 PM**

*Chairs:*
- Laurel J. Gershwin, University of California, Davis
- Carol G. Chitko-Mckown, Genetics, Breeding, and Animal Health Research Unit, ARS, USDA

This symposium will feature topics on both human and veterinary vaccines, with emphasis on new technologies and new information for more appropriate targeting of the immune response to achieve protective immunity. Advances in understanding immune responses to veterinary and human pathogens and applications of that information to vaccine design illustrate a commonality that supports the current “one health” concept in medicine.

*Speakers:*
- Mark K. Slifka, Oregon Health and Science University

Hydrogen peroxide-based vaccines: a new approach to an old problem

- Tilahun Yilma, University of California, Davis

Strategies for enhancing the safety and efficacy of recombinant vaccines

- Ronald D. Schultz, University of Wisconsin

Immunologic memory: what to expect from different types of vaccines!

- Anna P. Durbin, Johns Hopkins Bloomberg School of Public Health

Dengue vaccines: from animal models to human challenge

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**CENTENNIAL TIMELINE – 3RD FLOOR CORRIDOR**

*Back by Popular Demand!*

Travel the AAI Centennial Timeline spanning the 3rd floor corridor. The Centennial Timeline depicts important developments for AAI and immunology, science and technology, and U.S. and world history. Even if you viewed this structure in Hawaii at the AAI meeting, you’ll find worlds more to explore in this chronicle of the great legacy informing your work today.

*Also on Display:*
- Profiles of AAI Nobel laureates and Lasker Award recipients
- AAI StoryBooth, featuring attendees’ favorite immunology career recollections (Record your own while you are there!)
NIH INSTITUTE-SPONSORED SYMPOSIA

National Institute of Allergy and Infectious Diseases (NIAID) Symposium: Lymphatic Function and the Immune Response to Microbial or Viral Infection
SUNDAY, MAY 4, 3:45 PM – 5:45 PM

Chairs:
Michael C. Carroll, Children’s Hospital and Harvard Medical School
Lara R. Miller, NIAID, NIH

Speakers:
Melody A. Swartz, Ecole Polytechnique Federale de Lausanne
Immunoregulatory roles of lymphatic endothelial cells
Michael C. Carroll, Children’s Hospital and Harvard Medical School
Nodal regulation of humoral immunity to influenza infection by lymphangiogenesis
David C. Zawieja, Texas A&M Health Science Center
Altered lymphatic function in response to inflammation/peritonitis
Nancy H. Ruddle, Yale University
Lymphatics in chronic inflammation

National Institute of Allergy and Infectious Diseases (NIAID) Workshop: Scavenger Receptor Biology and Nomenclature
SUNDAY, MAY 4, 12:30 PM – 2:30 PM

Chairs:
Mercy PrabhuDas, NIAID, NIH
Joseph El Khoury, Massachusetts General Hospital and Harvard Medical School

This workshop will serve as a follow-up to a meeting held in November 2012 in Bethesda, Maryland, at which experts in the field came together to establish guidelines and recommendations for standardizing the nomenclature for scavenger receptors (SRs) and to consider strategies for dealing with future discoveries of novel receptors. The goal of this workshop is to communicate these recommendations and guidelines, which will be published in The Journal of Immunology prior to IMMUNOLOGY 2014™, to the wider scientific community, to provide a forum for discussion, and to gather feedback for adopting the recommended nomenclature in the future.

The session will consist of one hour of scientific talks followed by a panel discussion, which will culminate with a vote from the floor to arrive at a decision regarding the proposed recommendations.

Schedule:
Monty Krieger, Massachusetts Institute of Technology
The initial molecular identification and characterization of scavenger receptors
Dawn M. E. Bowdish, McMaster University
Scavenger receptors in host defense against infectious disease

National Institute on Aging (NIA) Symposium: B Cell Regulation of Immunity in Old Age
SUNDAY, MAY 4, 3:45 PM – 5:45 PM

Chairs:
Rebecca A. Fulder, NIA, NIH
Michael P. Cancro, University of Pennsylvania School of Medicine

Speakers:
Richard L. Riley, University of Miami
Mechanisms and outcomes of reduced B lymphopoiesis in old age
Michael P. Cancro, University of Pennsylvania School of Medicine
Affinity, effectors, and memory: independent variables in humoral immunosenescence
Laura Haynes, University of Connecticut Health Center
Protective humoral immunity and Tfh function decline with age
M. A. Julie Westerink, University of Toledo Health Science Center
Age-related immune response to pneumococcal polysaccharide vaccination

National Institute of Environmental Health Sciences (NIEHS) Symposium: Gene Environment Interactions in the Etiology of Asthma
SUNDAY, MAY 4, 12:30 PM – 2:30 PM

Chairs:
Michael C. Humble, NIEHS, NIH
Donald N. Cook, NIEHS, NIH

Speakers:
Donald N. Cook, NIEHS, NIH
Finding the molecular links between house dust and asthma
Stephanie A. Cormier, University of Tennessee Health Science Center
Exposure to combustion-derived particulate matter enhances influenza severity in infants
John W. Hollingsworth, Duke University
Molecular mechanisms involved in lung airway and immune responses to ozone
Lester Kobzik, Harvard School of Public Health
Prenatal programming of asthma susceptibility by environmental stressors
GUEST SOCIETY SYMPOSIA

American Association of Pharmaceutical Scientists (AAPS) Symposium: Immunogenicity of Biotherapeutics: Predicting Potential Contributors and Mechanisms

SUNDAY, MAY 4, 8:00 AM – 10:00 AM

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

Speakers:
Terry Goletz, Amgen, Inc.
Applications and approaches for immune monitoring in clinical drug development
Jack Bagheb, FDA
Novel in vivo approaches for the study of immune responses
Genhong Cheng, University of California, Los Angeles
Inflammatory responses to PAMPs, DAMPs, and protein aggregates
Scheherazade Sadegh-Nasseri, Johns Hopkins School of Medicine
Use of the immune system's bare essentials for identification of T cell targets

American Association of Veterinary Immunologists (AAVI) and AAI Veterinary Immunology Committee Joint Symposium: Vaccines for the Modern Era: Implications for Human and Animal Health

SATURDAY, MAY 3, 12:30 PM – 2:30 PM

Chairs:
Laurel J. Gershwin, University of California, Davis
Carol G. Chitko-McKown, Genetics, Breeding, and Animal Health Research Unit, ARS, USDA

Speakers:
Mark K. Slifka, Oregon Health and Science University
Hydrogen peroxide-based vaccines: a new approach to an old problem
Tilahun Yilma, University of California, Davis
Strategies for enhancing the safety and efficacy of recombinant vaccines
Ronald D. Schultz, University of Wisconsin
Immunologic memory: what to expect from different types of vaccines
Anna P. Durbin, Johns Hopkins Bloomberg School of Public Health
Dengue vaccines: from animal models to human challenge

American Society for Blood and Marrow Transplantation (ASBMT) Symposium: Exploiting Immune Responses to Cytomegalovirus Infection after Transplantation

SATURDAY, MAY 3, 10:15 AM – 12:15 PM

Chairs:
Jeffrey S. Miller, University of Minnesota
Helen E. Heslop, Baylor College of Medicine

Speakers:
Jeffrey S. Miller, University of Minnesota
Human NK cell memory responses shaped by CMV reactivation
William J. Murphy, University of California, Davis School of Medicine
Differential effects of murine NK cell licensing in mediating MCMV resistance and modulating T cell responses
Helen E. Heslop, Baylor College of Medicine
Targeting CMV with multivirus-specific or third party CTLs
Karl Peggs, University College London Cancer Institute
CMV-specific T cell therapies: from proof of concept to standard of care?

American Society of Transplantation (AST) Symposium: New Paradigms in T Cell Biology and Transplant Immunity

MONDAY, MAY 5, 10:15 AM – 12:15 PM

Chairs:
Mandy L. Ford, Emory University
Heth R. Turnquist, University of Pittsburgh School of Medicine

Speakers:
Fadi G. Lakkis, University of Pittsburgh School of Medicine
Migration of effector and memory T cells into the transplant
Jordan S. Pober, Yale University
Endothelial cells as antigen presenting cells and regulators of effector T cell transplant infiltration
Qizhi Tang, University of California, San Francisco
Therapeutic applications of Tregs in transplantation
Daniel J. Campbell, Benaroya Research Institute
Roles for Th1 and Th2 “master regulator” transcription factors in regulatory T cells

Visit the History Lounges (Floor 3) for the Immunology in Popular Culture exhibit, featuring AAI members’ science depicted in general media and society. Also, learn the history of distinguished Pittsburgh leaders in science.
You are invited to attend
An Evening of Discovery!

Generously Sponsored by BioLegend

AAI attendees all share a commitment to innovation and discovery. At the Heinz History Center, our Gala attendees will be treated not only to a taste of Pittsburgh at a festive reception but also to exhibits and stories of breakthroughs and achievements that originated in Pittsburgh and Western Pennsylvania. From Jonas Salk’s discovery of the polio vaccine and the invention of the Big Mac, to the rise of new jazz styles and the nation’s first superhighway, guests will experience what made this region a cradle of world-changing ideas.

THE SENATOR JOHN HEINZ HISTORY CENTER
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MONDAY, MAY 5, 2014
7:00 PM – 9:30 PM

OPEN TO ALL IMMUNOLOGY 2014™ ATTENDEES AND TICKETED GUESTS.
MEETING BADGE OR TICKET REQUIRED FOR ENTRANCE.
ATTENDEES MUST BE AT LEAST 21 YEARS OF AGE.
Canadian Society for Immunology (CSI) Symposium: Transcriptional Regulation of Hematopoiesis
SATURDAY, MAY 3, 10:15 AM – 12:15 PM

Chairs:
Michele K. Anderson, Sunnybrook Research Institute, Toronto
Rodney P. DeKoter, Western University, London, Ontario

Speakers:
R. Keith Humphries, Terry Fox Laboratory, Vancouver
The good and bad side of transcription factors in hematopoiesis: Meis1 as a case study
Trang Hoang, IRIC, Montreal
Oncogenic transcription factors, from hematopoietic stem cells to acute leukemias
Rodney P. DeKoter, Western University, London, Ontario
Complementary roles of PU.1 and Spi-B at the pro-B to pre-B cell transition
Michele K. Anderson, Sunnybrook Research Institute, Toronto
Regulation of gamma-delta T cell development and programming by HEB transcription factors
Juan Carlos Zúñiga-Pflücker, Sunnybrook Research Institute, Toronto
Requirements for GATA-3 at the initiation of the T-lineage development program in response to Notch signals

Chinese Society of Immunology (ChSI) Symposium: Cancer Immunotherapy Targeting Chronic Inflammation and Immunosuppression
SUNDAY, MAY 4, 10:15 AM – 12:15 PM

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

Speakers:
Xuetao Cao, Chinese Academy of Medical Sciences, Beijing
Overview of tumor immunology and immunotherapy in China
Limin Zheng, Sun Yat-sen University, Guangzhou
Macrophage plasticity in distinct microenvironments of human tumor
Xiyun Yan, Institute of Biophysics, Chinese Academy of Sciences, Beijing
Targeting CD146 for cancer immunotherapy
Bo Huang, Chinese Academy of Medical Sciences, Beijing
Macroparticles in cancer immunotherapy
Taoyong Chen, National Key Laboratory of Medical Immunology and Institute of Immunology, Second Military Medical University, Shanghai
New adjuvant and delivery system in cancer immunotherapy

German Society for Immunology (DGfI) Symposium: Thymic Development and Tolerance
MONDAY, MAY 5, 3:45 PM – 5:45 PM

Chairs:
Jürgen Wienands, University of Göttingen
Dieter Kalbeldt, University of Kiel
Cartsen Watzl, Leibniz Research Center, Dortmund

Speakers:
Hans-Martin Jäck, University of Erlangen
Immunology in Germany
Thomas Boehm, MPI for Immunobiology and Epigenetics Freiburg
Evolution of the thymus
Ludger Klein, University of Munich
Functional adaptation of thymic stromal cells for tolerance induction
Bruno Kyewski, German Cancer Research Institute (DKFZ) Heidelberg
Generating intra-thymic self-antigen diversity for central tolerance
Vera Martins, University of Ulm
Cell competition in T cell progenitors
Hans-Reimer Rodewald, German Cancer Research Institute (DKFZ), Heidelberg
Thymus as a source of T cell leukemia

SUNDAY, MAY 4, 10:15 AM – 12:15 PM

Chairs:
V. Michael Holers, University of Colorado School of Medicine, Denver
Viviana Ferreira, University of Toledo

Speakers:
Wenchao Song, University of Pennsylvania Perelman School of Medicine
Complement, inflammation, and the synergistic intersection of innate immune pathways
Marina Botto, Imperial College London
Complement in humoral immunity and autoimmunity
Piet Gros, Utrecht University, Elucidating mechanisms of complement function from structural biology
Daniel Ricklin, University of Pennsylvania Perelman School of Medicine
Regulation of cellular proliferation by complement: roles in cancer and transplantation biology
Andrea J. Tenner, University of California, Irvine
Novel functions of complement proteins and pathway activation in neurological disorders
Japanese Society for Immunology (JSI) Symposium: Highlights of Immunology in Japan: JSI Awardees Symposium
MONDAY, MAY 5, 3:45 PM – 5:45 PM
Chairs:
Ichiro Taniuchi, RIKEN Center for Integrative Medical Sciences
Yasunobu Miyake, Kyushu University
Speakers:
Ichiro Taniuchi, RIKEN Center for Integrative Medical Sciences
Transcriptional control of helper/cytotoxic lineage choice in the thymus
Takashi Sekiya, Keio University
Roles of the nuclear orphan receptor Nr4a in CD4+ T cell development and functions
Keiji Hirota, Osaka University
T cell-dependent IgA responses by plastic Th17 cells
Yasunobu Miyake, Kyushu University
Mycobacterial recognition by C-type lectin receptors
Hideyuki Yanai, University of Tokyo
Role of HMGB1 in inflammatory diseases and nucleic acid-mediated immune responses

Korean Association of Immunologists (KAI) and Association of Korean Immunologists in America (AKIA) Symposium: Regulation of Host Immunity by Immune Cell Receptors and Effectors
SATURDAY, MAY 3, 3:45 PM – 5:45 PM
Chairs:
Charles D. Surh, Institute for Basic Science, Korea
Mi-La Cho, Catholic University of Korea
Speakers:
Jae U. Jung, University of Southern California
Host and pathogen standoff: host intracellular pattern recognition receptors vs. viral immune modulators
Yong-Soo Bae, Sungkyunkwan University
Positive and negative regulatory factors epigenetically expressed during dendritic cell development control the immunogenicity of dendritic cells
Sungjin Kim, Michigan State University
Memory-like NK cells with potent Fc receptor function and broad-spectrum antiviral activity
Mi-La Cho, Catholic University of Korea
STAT3 licenses AP-1 family to drive Th17 cell differentiation in autoimmune diseases
Hyun Park, NCI, NIH
IL-7 receptor as a new target for immune intervention in inflammation and autoimmunity

Society for Immunotherapy of Cancer (SITC) Symposium: Cancer Immunology and Immunotherapy: From Basic Science to Clinical Application
MONDAY, MAY 5, 12:30 PM – 2:30 PM
Chairs:
Thomas E. Gajewski, University of Chicago
Lisa H. Butterfield, University of Pittsburgh Cancer Institute
Speakers:
Robert H. Vonderheide, University of Pennsylvania
Novel mechanisms of anti-CD40 activity
Nicholas P. Restifo, NCI, NIH
Adaptive T cell therapy: from biology to practice
Suzanne L. Topalian, Johns Hopkins University
Targeting the PD-L1/PD-1 axis for cancer immunotherapy
F Stephen Hodi, Jr., Dana-Farber Cancer Institute
Anti-CTLA-4 mAb: new directions and combinations

Society of Mucosal Immunology (SMI) Symposium: The Leo Lefrançois Memorial Symposium on T Cell Memory and Protection from Infection
MONDAY, MAY 5, 10:15 AM – 12:15 PM
Chairs:
Joanne L. Viney, Biogen Idec
Stephen M. Hedrick, University of California, San Diego
Speakers:
David Masopust, University of Minnesota
The study of memory T cells that reside within the respiratory, intestinal, and reproductive mucosa
Vaiva Vezys, University of Minnesota
Induction and maintenance of tolerance to intestinal proteins
Kimberly D. Klonowski, University of Georgia
Environmental cues regulating memory CD8+ T cell immunity in the respiratory tract
Kamal M. Khanna, University of Connecticut Health Center
Imaging the onset of primary and secondary immune responses to viral and bacterial infection
Kimberly S. Schluns, University of Texas MD Anderson Cancer Center
Regulation of IL-15 by inflammatory signals
Michael J. Bevan, University of Washington
In honor of Leo Lefrançois: advances in our understanding of T cell memory and protection from infection
The American Association of Immunologists thanks the following sponsors for their generous support of the 2014 AAI Annual Meeting

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  - Opening Night Welcome Reception
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- IMMUNODEX
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- HENRY J. SHOWELL
  - Pfizer-Showell Travel Award
Society for Natural Immunity (SNI) Symposium: Current Developments in NK Cell Research
SATURDAY, MAY 3, 12:30 PM – 2:30 PM

Chairs:
Hans-Gustaf Ljunggren, Karolinska Institutet
Chiara Romagnani, German Rheumatism Research Center

Speakers:
Chiara Romagnani, German Rheumatism Research Center
Phenotypic and functional characterization of human NK cell subsets

André Veillette, Institut de Recherches Cliniques De Montréal
Regulation of NK cell activation by SAP family adaptors and SLAM family receptors

Yenan T. Bryceson, Karolinska Institutet and University of Bergen
CMV drives methylation-dependent epigenetic reprogramming of NK cells

Taku Kambayashi, University of Pennsylvania
Proximal signaling events that dictate NK cell tolerance and education

Monika Braun, Karolinska Institutet
Mechanisms of NK cell activation following human hantavirus infection

The Obesity Society (TOS) Symposium: Unresolved, Chronic Inflammation as a Mediator of Diverse Disease Risks in Insulin-Resistant Obesity
SATURDAY, MAY 3, 12:30 PM – 2:30 PM

Chairs:
Gerald V. Denis, Boston University School of Medicine
Jennifer Snyder-Cappione, Boston University Medical Center

Speakers:
Irving L. M. H. Aye, University of Texas Health Science Center San Antonio
Maternal obesity, placental inflammation, and fetal growth

Clara Westwell-Roper, University of British Columbia
Aggregation of islet amyloid polypeptide as a trigger for islet inflammation in type 2 diabetes

Harold S. Sacks, VA Greater Los Angeles Healthcare System
Epicardial adipose tissue as a putative contributor to coronary atherogenesis

Suneil Koliwad, University of California, San Francisco
Microglia as fatty acid sensors in the control of hypothalamic inflammation and metabolic function

AAI Courses in Immunology

2014 Introductory Course in Immunology
July 12–17, 2014
Long Beach Convention Center, Long Beach, California
Director: Juan Carlos Zúñiga-Pflücker, Ph.D.
University of Toronto and Sunnybrook Research Institute

2014 Advanced Course in Immunology
July 27–August 1, 2014
Seaport World Trade Center, Boston, Massachusetts
Director: Leslie J. Berg, Ph.D.
University of Massachusetts Medical School

For more information visit www.aai.org/Education/Courses
Please direct inquiries to meetings@aai.org or 301-634-7178.

Financial support for underrepresented minority scientists is available through the FASEB MARC Program.

www.IMMUNOLOGY2014.org
CAREER DEVELOPMENT SESSIONS

Through workshops, roundtables, networking opportunities, and one-on-one counseling, IMMUNOLOGY 2014™ provides critical career development programs.

Career sessions and services this year include:

- Careers in Biotech: Panel Discussion and Networking
- Careers in Science and Networking Roundtables (2)
- How to Convert Your CV into a Resume (followed by one-on-one counseling)
- Interviewing for a Job
- Publishing Your Scientific Work: Tips on Writing, Responding to Reviewers, and Avoiding Ethical Pitfalls
- Secrets for a Successful Postdoctoral Fellowship
- Online and on-site Jobs Board, free to meeting registrants and exhibitors
- New Member Reception (By invitation)

Publishing Your Scientific Work: Tips on Writing, Responding to Reviewers, and Avoiding Ethical Pitfalls
Sponsored by the AAI Publications Committee
SUNDAY, MAY 4, 12:30 PM – 2:00 PM

Chairs:
Eugene M. Oltz, Washington University School of Medicine
Chair, AAI Publications Committee
Pamela J. Fink, University of Washington School of Medicine
Editor-in-Chief, The Journal of Immunology

Your data may be good and your findings may be significant, but your manuscript will navigate peer review more smoothly if you present your findings well. What steps can an author take to improve data presentation? What is considered an inappropriate, even unethical, presentation of data? What will make the manuscript easier for the reviewer to read and evaluate? How can the author best respond to reviewers? With ample time for questions and answers at the end of the session, experienced editors will address these and other questions about scientific publishing in this session sponsored by the AAI Publications Committee.

Speakers:
Eugene M. Oltz, Washington University School of Medicine
Chair, AAI Publications Committee
Writing a scientific manuscript: How should I tell my story and to whom should I tell it?
Kristin A. Hogquist, University of Minnesota
Responding to reviewers: What you want to say and what you should say
Pamela J. Fink, University of Washington School of Medicine
Editor-in-Chief, The Journal of Immunology
If it feels wrong, it probably is

Careers in Science Roundtable
Sponsored by the AAI Education Committee & AAI Committee on the Status of Women
SUNDAY, MAY 4, 11:30 AM – 1:00 PM

Chair:
Scheherazade Sadegh-Nasser, Johns Hopkins Medical Institute
Chair, AAI Committee on the Status of Women

Registration Fee: $20 (Lunch included)

At this always popular session, you’ll have the opportunity to meet with scientists at your own career stage and with more experienced scientists to explore specific career issues important to men and women in science today. Learn what others are thinking and gain insights into issues you are confronting in your own situation. New topics this year offer insights into NIH Study Sections and considerations for scientists in M.D.-Ph.D. careers. Choose from these and the other vital topics related to the environment you work in (academic research, biotech industry, governmental agencies, non-profits), the transitions from specific career stages, or issues in balancing career and family in any career path. Don’t miss this great networking opportunity!

Discussion topics:

- Research Careers in Academia
  - Graduate Student to Postdoc: finding a postdoc, interviewing
  - Postdoc to PI: finding a position, interviewing, negotiating, lab start-up
  - New PI: attracting students and postdocs, preparing for tenure
  - Undergraduate Institutions: finding the balance in teaching, doing research
  - Mentoring Effectively

- How to Build a Network
- Career and Family: time management/family leave/professional couples
- Careers in Biotech and Industry: moving from academia to industry and vice versa
- Research Careers at Governmental Agencies (FDA/NIH/USDA/CDC)
- NIH Study Section Insights
- The Physician Scientist: balancing clinical and research duties
- Research from the M.D., Ph.D. Perspective
- Non-Research Careers for Scientists: careers in scientific journals, public policy, non-profits

Table leaders: see AAI Committee-sponsored Sessions
Careers Roundtable and (NEW!) Speed Networking Session  
Sponsored by the AAI Minority Affairs Committee  
SATURDAY, MAY 3, 11:45 AM – 2:15 PM  
Chair:  Adriana Larregnna, University of Pittsburgh; Chair, AAI Minority Affairs Committee  
Registration Fee: $20 (Includes lunch; coffee/cookies during networking hour.)  
Networking skills have never been more crucial to ensure success for early/mid-career scientists, including those traditionally under-represented in biomedical research. At the roundtable, take advantage of the opportunity to meet in small-group format with accomplished, senior immunologists to hear how they have handled the career challenges you now face and learn what they believe will work for you today. Then practice networking in a relaxed environment offering a structured networking exercise and personalized feedback on communicating your scientific interests/objectives most effectively.  
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  
• Non-Research Careers: science journalism, patent law, biomedical entrepreneurship  
Table leaders: see AAI Committee-sponsored Sessions  

How to Convert Your CV into a Resume  
SATURDAY, MAY 3, 11:00 AM – 12:00 PM  
Chair:  Mary Litzinger, AAI  
Speaker:  Derek Haseltine, Director, Career Services, George Washington University  
For anyone seeking a job outside of academe, how you present yourself on paper is critical. A well-prepared resume can make all the difference in securing that interview. The focus of this session will be on the important elements of a resume, the differences between a resume and the standard academic curriculum vitae, and the information needed to make a good impression. In this special career development session, attendees will be instructed in how to transform their CVs into professional resumes.  
Small breakout sessions for individual consulting will follow from 12:30 PM to 2:30 PM. Bring your CV!
Interviewing for a Job

SUNDAY, MAY 4, 10:00 AM – 11:00 AM

Chair:
Mary Litzinger, AAI

Speaker:
Derek Haseltine, Director, Career Services, George Washington University

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.

New Member Reception

Sponsored by the AAI Membership Committee

FRIDAY, MAY 2, 4:00 PM – 4:45 PM

Chair:
Judith Owen, Haverford College: Chair, AAI Membership Committee

AAI wishes to welcome new Regular and Associate members joining AAI for the first time. AAI President Marc Jenkins 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 STORYBOOTH

VISIT THE STORYBOOTH (ROOM 332) WITH FRIENDS, COLLEAGUES, OR MENTORS TO RECORD YOUR STORIES AND BECOME PART OF AAI HISTORY.
 BLOCK SYMPOSIA
Selected abstracts are programmed into oral sessions called Block Symposia. Each Block Symposium comprises up to eight selected abstracts. Approximately 75 Block Symposia are 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 on the one day they are specifically assigned, Saturday through Monday, in the David L. Lawrence Convention Center Exhibit Halls.
DEDICATED DAILY POSTER PRESENTATION TIME
FROM 2:30 PM – 3:45 PM
No concurrent symposia, presentations, or other sessions will be held during the designated poster presentation time.

EXHIBITOR WORKSHOPS
Be sure to take advantage of the knowledge-building opportunities presented in Exhibitor Workshops. Located on the Exhibit Floor, these workshops explore companies’ latest technologies, products, and services through demonstrations and discussions.

Workshops are planned and conducted by exhibitors; the listing of these workshops does not constitute endorsement of any products or services by AAI.

EXHIBITOR HALL PASSPORT PROGRAM
FILL OUT YOUR EXHIBIT HALL PASSPORT FOR A CHANCE TO WIN ONE OF THREE $250 AMERICAN EXPRESS GIFT CARDS!
The drawing will be held during the Poster Presentations on Monday, May 5, from 2:30 PM – 3:45 PM. You’ll find your Passport in your meeting bag or you may pick one up at the AAI Booth.

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Lustgarten-eBioscience Memorial Award

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SOCIAL EVENTS

New Member Reception (By invitation only)
Sponsored by the AAI Membership Committee
FRIDAY, MAY 2, 4:00 PM – 4:45 PM (BADGE AND INVITATION REQUIRED)

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

IMMUNOLOGY 2014™ Opening Night Welcome Reception
Reception generously sponsored by eBioscience, an Affymetrix company
FRIDAY, MAY 2, 6:00 PM – 8:00 PM
NORTH AND SOUTH GARDEN TERRACES
DAVID L. LAWRENCE CONVENTION CENTER

Come directly from the President’s Address to the Opening Night Welcome Reception on the convention center terraces overlooking the Allegheny River and the Pittsburgh skyline. Seek out old friends and make new acquaintances with hors d’oeuvres, drinks, and music recalling the rich jazz legacy of Pittsburgh. The reception is generously supported by eBioscience to welcome you and wish you a pleasurable, productive week.

25th Anniversary of AAI Public Affairs, featuring The Capitol Steps
SATURDAY, MAY 3, 7:00 PM – 9:00 PM
ROOM 413/414/415
DAVID L. LAWRENCE CONVENTION CENTER

Join us for a riotously entertaining musical performance by the political satire group, The Capitol Steps, preceded by a reception celebrating the 25th anniversary of the AAI Public Affairs Program. Help AAI honor current and past members of the Committee on Public Affairs and attend the uproariously funny performance by the group who “put the MOCK in democracy.” This once-in-a-quarter-century event is open to all attendees, but space is limited and tickets are required (Tickets available when registering for the meeting). $35 for Attendees and $50 for Guests.

The Journal of Immunology (The JI) Editorial Board Dinner and Meeting (By invitation only)
Generously sponsored by Dartmouth Journal Services
SATURDAY, MAY 3, 7:00 PM – 10:00 PM

This working dinner is held each year at the annual meeting to provide the Editorial Board members the valuable opportunity to meet in person to discuss items of interest and concern about The JI.

President’s Service Appreciation Reception (By invitation only)
Generously sponsored by BioLegend
SUNDAY, MAY 4, 7:30 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 2013-2014 AAI volunteers.

IMMUNOLOGY 2014™ Gala
Generously sponsored by BioLegend
MONDAY, MAY 5, 7:00 PM – 9:30 PM
THE SENATOR JOHN HEINZ HISTORY CENTER

At the Heinz History Center, you will be treated not only to a Taste of Pittsburgh at a festive reception but also to an immersion in stories of world-altering innovations tracing their origins to the Pittsburgh and Western Pennsylvania region—among them, Jonas Salk’s polio vaccine; George Westinghouse’s alternating current; new jazz styles (Bill Strayhorn, George Benson, et al.); the Ferris Wheel; the first wire-cabled suspension bridge; the first commercial radio station; the Big Mac; Klondike bars; and much more. You’ll enjoy music, drinks, and hors d’oeuvres as you explore the exhibits throughout the century-old Chautauqua Lake Ice Company Building, an exhibit in itself.

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The AAI Introductory Course in Immunology

Will be held in beautiful Long Beach, California
July 12–17, 2014
Long Beach Convention Center

—Details to come—
2014 Introductory Course in Immunology
July 12–17, 2014 • Long Beach Convention Center, Long Beach, California
Director: Juan Carlos Zuñiga-Pflücker, Ph.D.
University of Toronto and Sunnybrook Research Institute

Don’t miss the most comprehensive introduction to immunology available!
This intensive two-part course, taught by world-renowned immunologists, provides a comprehensive overview of the basics of immunology. This course is for students new to the discipline or those seeking more information to complement general biology or science training. Part I (July 12–14) is a detailed introduction to the basic principles of immunology and is suitable for students with a general biology background. Part II (July 15–17) is a clinically oriented lecture series focusing on specialty areas.

Parts I and II may be taken independently at the discretion of the student.

Faculty
Juan Carlos Zuñiga-Pflücker, University of Toronto and Sunnybrook Research Institute
Introduction to the Immune System

Lewis L. Lanier, University of California, San Francisco
Innate Immunity: Introduction to the Cells

Andrea J. Tenner, University of California, Irvine
Complement

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

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

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

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

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

Michael G. McHeyzer-Williams, The Scripps Research Institute
Effector T Cell Differentiation and Response

Shane Crotty, La Jolla Institute for Allergy and Immunology
B Cell Activation and Humoral Immunity

Arthur Weiss, University of California, San Francisco
Signaling in the Immune System

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

Ninan Abraham, University of British Columbia
Cytokines

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

Linda A. Sherman, The Scripps Research Institute
Tumor Immunology

Olivia M. Martinez, Stanford University School of Medicine
Transplantation

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

Steven F. Ziegler, Benaroya Research Institute
Type 2 Immunity

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

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

Jeffrey A. Bluestone, University of California San Francisco
Autoimmunity

Stephen P. Schoenberger, La Jolla Institute for Allergy and Immunology
Immunologic Memory

TBA

Vaccination

Jennifer M. Puck, University of California, San Francisco
Genetic Approaches to Immune-Mediated Diseases

Andrew C. Chan, Genentech, Inc.
Bench to Bedside to Bench: Current Issues in Immunology

For complete course details and registration, visit: www.aai.org/Education/Courses

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 www.faseb.org/MARC.
2014 Advanced Course in Immunology
July 27–August 1, 2014 • Seaport World Trade Center, Boston, Massachusetts
Director: Leslie J. Berg, Ph.D.
University of Massachusetts Medical School

Don't miss the premier course in immunology for research scientists!

This intensive course is directed toward advanced trainees and scientists who wish to expand or update their understanding of the field. Leading experts will present recent advances in the biology of the immune system and address its role in health and disease. This is not an introductory course; attendees will need to have a firm understanding of the principles of immunology.

Faculty

Marc K. Jenkins, Center for Immunology
University of Minnesota Medical School
Anatomy of the Immune Response

Jonathan C. Kagan, Children’s Hospital Boston
Harvard Medical School
Innate Immunity: Pattern Recognition and Anti-microbial Mechanisms

Katherine A. Fitzgerald, University of Massachusetts Medical School
Innate Immunity: Gene Regulation

Albert S. Bendelac, University of Chicago
Innate Immunity: Cellular Mechanisms

Wayne M. Yokoyama, Washington University School of Medicine
NK Cells — Their Receptors and Function in Health and Disease

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

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

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

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

Avinash Bhandoola, University of Pennsylvania
Perelman School of Medicine
T Cell Development

Kenneth L. Rock, University of Massachusetts Medical School
MHC-Restricted Antigen Presentation to T Cells

Leslie J. Berg, University of Massachusetts Medical School
Signaling from Antigen Receptors

Susan M. Kaech, Yale School of Medicine
Lymphocyte Memory

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

Richard S. Blumberg, Brigham & Women’s Hospital
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Mucosal Immunity

Joanne L. Flynn, University of Pittsburgh School of Medicine
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Ann Marshak-Rothstein, University of Massachusetts Medical School
B Cell Tolerance and Autoimmunity

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

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

Joanne L. Viney, Biogen Idec
Immunotherapeutics

Dennis W. Metzger, Albany Medical College
Vaccines

For complete course details and registration, visit: www.aai.org/Education/Courses

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