Summer Opportunity for High School Science Teachers

AAI HIGH SCHOOL TEACHERS SUMMER RESEARCH PROGRAM IN IMMUNOLOGY

Looking for creative ways to bring the excitement of discovery to your classroom? Participate in the 2017–18 American Association of Immunologists (AAI) High School Teachers Summer Research Program. You’ll enjoy hands-on experience in cutting-edge research, using the latest tools and techniques. And you’ll take home a number of new lab exercises for use in your classes.

This national program supports high-school science teachers’ participation in a 4–6 week summer research experience in the laboratories of AAI members. If you are selected,

- AAI will locate an AAI member in your area to serve as your mentor for the summer.
- You will receive a stipend for working in the laboratory of your AAI mentor.
- An educational consultant will assist you with the development of an innovative curriculum to be shared nationally.
- You will be supported to attend a national professional meeting to present your experiences, and
- Prior to starting in the lab, you will be supported in attending the 3-day AAI Introductory Course in Immunology, Part I, held in July in Los Angeles, California. There, you’ll learn the basic principles of the discipline. (www.aai.org/Education/Courses/Intro/index.html).

Apply today for this exciting professional development opportunity! Applications are due March 15, 2017.

Complete details and application forms can be found at:
www.aai.org/Education/Summer_Teachers/index.html

Contact Mary T. Litzinger, Ph.D., with any questions: mlitzinger@aai.org or 301.634.7820.

AAI is a professional association dedicated to advancing the discipline of immunology and representing the interests of scientists engaged in research in the field. AAI sponsors the High School Teachers Summer Research Program in Immunology in an effort to cultivate the next generation of talented investigators and enhance public understanding of the critical nature of basic research to human health.

Curricula from past program participants are available to other teachers through an archive maintained on the AAI web site.

Find ideas for incorporating the excitement of immunology into your classroom!

Recent topics include:

- A Bioinformatics Approach to Systemic Lupus Erythematosus and Autoimmunity
- Exploring the Link Between Regulatory T Cells and Tumor Growth: A Lesson in the Immune System and Cancer
- How Can Students Combine Computational Biology Tools with a Laboratory Model to Analyze Changes in the Human Gut Microbiome?
- Vaccines and Herd Immunity

Take advantage of this free educational resource! To view the complete teaching material archive, visit www.aai.org/Education/Summer_Teachers/Archive.html.

The American Association of Immunologists

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www.aai.org
I am delighted and honored to have the opportunity to develop a symposium featuring some of the most distinguished leaders in the field of costimulation. I have the pleasure of interacting and collaborating with these immensely creative and dedicated individuals.

Rafi Ahmed is a world-renowned immunologist whose work has shaped our current understanding of memory T cell differentiation and antiviral T and B cell immunity. His research has elucidated mechanisms of immunological memory and has provided insights for vaccine development. His observations on the differences in CD8 T cell activation during acute versus chronic viral infection resulted in the identification of the PD-1 inhibitory receptor as a major mediator of T cell dysfunction during chronic infection. This work guided human clinical studies where PD-1 antibody blockade has been used to treat both chronic infection and cancer.

Ana C. Anderson is an innovative immunologist who investigates mechanisms of T cell dysfunction in cancer. Her laboratory identified the inhibitory molecule TIM-3 as a key regulator of T cell dysfunction in cancer. She has applied transcriptional profiling approaches to analyze the molecular regulation of tumor infiltrating T cells and identified novel gene modules controlling T cell dysfunction, opening new avenues for targeting the dysfunctional T cell state.

Dario A. A. Vignali is an eminent immunologist who has identified disease pathways that prevent the immune system from eliminating cancer cells and regulate the pathogenesis of autoimmune disorders. He has made seminal contributions to understanding the role of the LAG-3 inhibitory receptor in regulating T cell tolerance and tumor immunity and has identified synergy between LAG-3 and PD-1 as well as other inhibitory receptors. He has also identified novel molecules expressed by regulatory T cells and their functions, including IL-35 and neuropilin.

Suzanne L. Topalian is a superb physician-scientist who has been internationally recognized for her pioneering work in cancer immunotherapy. Research led by Dr. Topalian identified PD-1 pathway blockade as an effective cancer immunotherapy for melanoma and other cancers, and has explored biomarkers predictive of clinical response. Her work has greatly increased our understanding of anticancer immune responses in people.

Please join me at the IMMUNOLOGY 2017™ President’s Symposium to hear the exciting details of the research conducted by these outstanding scientists.

Immune responses are regulated by an exquisite system of on and off signals that enable tolerance as well as protective immunity. The critical role of T cell costimulation in regulating immune responses has stimulated intense investigation in this area, since a mechanistic understanding of costimulation is of fundamental and therapeutic interest. I have spent most of my scientific career defining the functions of T cell costimulatory pathways and their role in controlling the balance between T cell activation and tolerance. Therapeutic manipulation of T cell costimulatory pathways is providing a means either to enhance immune responses that can cure diseases such as cancer or infections, or terminate harmful immune responses such as autoimmunity, allergy, or graft rejection.

I couldn't have imagined in my early years as an undergraduate working with the inspirational Jack Strominger, as a graduate student with the great Bernie Fields, or a postdoc with that pioneer of transgenic science, Rudolf Jaenisch, that the work I pursued on the fundamental understanding of T cell biology would translate into the immunotherapies we are witnessing today. It is such a thrill to see the translation of basic discoveries made by many scientists into the immunotherapies that are offering hope for treating cancer, autoimmune diseases, and transplant rejection. It is incredibly exciting to see the enormous energy, creativity, and human benefit that have been unleashed.

For me, one of the special pleasures of my research career has been collaborating with innovative colleagues who have become dear friends. These collaborations have enriched my career. This symposium celebrates the power of collaboration.
AAI President’s Address
FRIDAY, MAY 12, 5:00 PM
Walter E. Washington Convention Center, Ballroom AB

Arlene H. Sharpe
Harvard Med. Sch., AAI President
Second signals make all the difference
Vijay K. Kuchroo, Brigham and Women’s Hosp.,
Harvard Med. Sch.
Introduction

AAI President’s Symposium
Second Signals: Translating Understanding into Therapy
MONDAY, MAY 15, 12:30 PM – 2:30 PM
Walter E. Washington Convention Center, Ballroom AB

Chair:
Arlene H. Sharpe, Harvard Med. Sch., AAI President
Speakers:
Rafi Ahmed, Emory Univ., From reovirus to PD-1
Ana C. Anderson, Harvard Med. Sch., Co-inhibitory receptors and T cell dysfunction
Dario A.A. Vignali, Univ. of Pittsburgh, Synergistic interactions between PD-1 and LAG-3
Suzanne L. Topalian, Johns Hopkins Univ. Sch. of Med., PD-1 pathway blockade: a common denominator for cancer therapy
THANK YOU TO OUR PREMIER SPONSORS

The American Association of Immunologists thanks the following sponsors for their generous support of IMMUNOLOGY 2017™

AAI Annual Meeting | May 12–16, 2017 | Washington, D.C.

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**AAI LECTURES AND AWARD PRESENTATIONS**

### AAI DISTINGUISHED LECTURERS

**SATURDAY, MAY 13**  
6:00 PM, BALLROOM AB  
Giorgio Trinchieri  
NCI, NIH  
*Cancer as a disease of the metaorganism*  
Chair: Wendy L. Havran, Scripps Res. Inst., AAI Program Committee Chair

**SUNDAY, MAY 14**  
6:00 PM, BALLROOM AB  
Ellen A. Robey  
Univ. of California, Berkeley  
*Factors that determine T cell fate in the thymus*  
Chair: Wendy L. Havran, Scripps Res. Inst., AAI Program Committee Chair

**MONDAY, MAY 15**  
6:00 PM, BALLROOM AB  
Gabriel Núñez  
Univ. of Michigan  
*Pathogens, the microbiota, and immunity at the intestinal barrier*  
Chair: Wendy L. Havran, Scripps Res. Inst., AAI Program Committee Chair

### AAI BUSINESS MEETING & AWARDS PRESENTATIONS

**SATURDAY, MAY 13, 1:00 PM - 2:30 PM**  
Chair: M. Michele Hogan, AAI, Executive Director

AAI reports on the “state of the association” to its members at every AAI annual meeting. Members will hear from the Executive Director, the Secretary-Treasurer, the Editors-in-Chief of AAI journals (*The Journal of Immunology* and *Immunohorizons*), and the Chair of the Committee on Public Affairs on the financial standing of AAI and other matters of importance to the membership. Selected 2017 AAI awards will also be presented during this session.

#### AAI Distinguished Service Award Presentation

Eugene M. Oltz, Washington Univ. Sch. of Med.  
*For outstanding service to AAI and the immunology community as member and chair of the AAI Publications Committee, 2012-2016*

AAI annually provides more than 700 AAI meeting travel awards and grants to recognize the promise and promote the professional development of investigators of all career stages. Travel award and grant presentations and acknowledgments at the business meeting will include:

**Presentations**
- AAI-Thermo Fisher Trainee Achievement Awards  
- Chambers-Thermo Fisher Scientific Memorial Award  
- Lefrançois-BioLegend Memorial Award  
- Lustgarten-Thermo Fisher Scientific Memorial Award  
- Pfizer-Showell Travel Award

**Acknowledgments**
- AAI Early Career Faculty Travel Grants  
- AAI Laboratory Travel Grants  
- FASEB MARC Mentored Poster/Platform (Oral) Presenter Travel Awards  
  *Sponsored by FASEB MARC Program under a grant from NIGMS, NIH (FASEB MARC Program: T36-GM08059-32 NCE)*  
- AAI Undergraduate Faculty Travel Grants  
- AAI Trainee Abstract Awards  
- AAI Trainee Poster Awards
AAI LIFETIME ACHIEVEMENT AWARD PRESENTATION

FRIDAY, MAY 12, 5:00 PM
Ballroom AB
Chair: Arlene H. Sharpe, Harvard Med. Sch., AAI President

Award Recipient: Richard J. Hodes, NIA, NIH
AAI President Arlene H. Sharpe 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 DISTINGUISHED SERVICE AWARD PRESENTATION

SATURDAY, MAY 13, 1:00 PM
Room 204AB
Award Recipient: Eugene M. Oltz, Washington Univ. Sch. of Med.
AAI Executive Director M. Michele Hogan will introduce the awardee and present the award during the AAI Business Meeting.

The AAI Distinguished Service Award recognizes an individual for outstanding service to AAI and the immunology community. Dr. Oltz is honored for his outstanding service as member and chair of the AAI Publications Committee, 2012-2016.

AAI-BD BIOSCIENCES INVESTIGATOR AWARD PRESENTATION AND LECTURE

SATURDAY, MAY 13, 4:30 PM – 5:30 PM
Ballroom AB
Chair: Arlene H. Sharpe, Harvard Med. Sch., AAI President


Initiation and regulation of innate immunity

AAI President Arlene H. Sharpe and a representative of BD Biosciences will introduce the awardee and present the award immediately prior to Dr. Kagan’s lecture.

The AAI-BD Biosciences Investigator Award recognizes an early-career investigator who has made outstanding contributions to the field of immunology.

AAI-BIOLEGEND HERZENBERG AWARD PRESENTATION AND LECTURE

SUNDAY, MAY 14, 12:30 PM – 1:30 PM
Room 202B
Chair: Arlene H. Sharpe, Harvard Med. Sch., AAI President

Award Recipient: Michel C. Nussenzweig, HHMI, Rockefeller Univ.

The HIV vaccine problem

AAI President Arlene H. Sharpe and Gene Lay, President and CEO, BioLegend, will introduce the awardee and present the award immediately prior to Dr. Nussenzweig’s lecture.

The AAI-BioLegend Herzenberg Award recognizes outstanding research contributions to the field of immunology in the area of B cell biology.
AAI-STEINMAN AWARD FOR HUMAN IMMUNOLOGY RESEARCH PRESENTATION AND LECTURE

SUNDAY, MAY 14, 1:30 PM – 2:30 PM
Ballroom AB

Chair: Arlene H. Sharpe, Harvard Med. Sch., AAI President

Award Recipient: Jean-Laurent Casanova, HHMI, Rockefeller Univ.
Toward a genetic theory of childhood infectious diseases

AAI President Arlene H. Sharpe will introduce the awardee and present the award immediately prior to Dr. Casanova’s lecture.

The AAI-Steinman Award for Human Immunology Research recognizes an individual who has made significant contributions to the understanding of immune processes underlying human disease pathogenesis, prevention, or therapy.

AAI-THERMO FISHER MERITORIOUS CAREER AWARD PRESENTATION AND LECTURE

Generously supported by Thermo Fisher Scientific

SUNDAY, MAY 14, 4:30 PM – 5:30 PM
Ballroom AB

Chair: Arlene H. Sharpe, Harvard Med. Sch., AAI President

Award Recipient: Yasmine Belkaid, NIAID, NIH
Microbiota control of tissue immunity: context and consequences

AAI President Arlene H. Sharpe and a representative of Thermo Fisher Scientific will introduce the awardee and present the award immediately prior to Dr. Belkaid’s lecture.

The AAI-Thermo Fisher Meritorious Career Award recognizes a mid-career scientist for outstanding research contributions to the field of immunology.

FASEB EXCELLENCE IN SCIENCE AWARD PRESENTATION AND LECTURE

MONDAY, MAY 15, 10:15 AM – 11:15 AM
Room 202B

Chairs:
Virginia Shapiro, Mayo Clin., AAI Committee on the Status of Women Chair; Louis B. Justement, Univ. of Alabama, Birmingham, FASEB Board Member

Treg flavors

The FASEB Excellence in Science Award recognizes a woman in biological science whose outstanding research achievements have contributed significantly to understanding a specific discipline.

AAI EXCELLENCE IN MENTORING AWARD PRESENTATION

MONDAY, MAY 15, 12:30 PM
Ballroom AB

Chair: Arlene H. Sharpe, Harvard Med. Sch., AAI President

Award Recipient: Lewis L. Lanier, Univ. of California, San Francisco

AAI President Arlene H. Sharpe and Joseph Sun, Mem. Sloan Kettering Cancer Ctr., 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 TRAVEL AWARDS

In addition to Career Awards, AAI annually provides more than 700 AAI meeting Travel Awards and Grants to recognize the promise and bolster the professional development of investigators of all career stages.

• AAI Trainee Abstract Awards
• AAI Trainee Poster Awards
• AAI-Thermo Fisher Trainee Achievement Awards
• Pfizer-Showell Travel Award
• Lefrançois-BioLegend Memorial Award
• Chambers-Thermo Fisher Scientific Memorial Award
• Lustgarten-Thermo Fisher Scientific Memorial Award
• AAI Early Career Faculty Travel Grants
• AAI Laboratory Travel Grants
• AAI Undergraduate Faculty Travel Grants

For information on all AAI Awards, visit www.aai.org/Awards.

AAI TIMELINE, THIRD FLOOR

Travel the AAI Timeline to discover important developments in immunology and AAI throughout history, from 1913 through 2016.
SATURDAY, MAY 13, 8:00 AM

Major Symposium A: Mechanism-Guided Therapy of Immunologic Diseases
Ballroom A

Chairs:
Gerald T. Nepom, Benaroya Res. Inst.
Qizhi Tang, Univ. of California, San Francisco

Speakers:
John D. Rioux, Univ. de Montréal and Montreal Heart Inst., Canada
Genetically-guided development of clinical assays for predicting response to biologic therapies

Genomic approaches to guide therapeutic decisions in autoimmune diseases

John E. Harris, Univ. of Massachusetts Med. Sch.
Translational research in vitiligo: gaining insight into mechanisms of organ-specific autoimmunity

Amit Bar-Or, Univ. of Pennsylvania
Targeting B cell cytokine networks in T cell-mediated autoimmune disease

Gerald T. Nepom, Benaroya Res. Inst.
Therapeutic modulation of effector T cells in autoimmunity

Qizhi Tang, Univ. of California, San Francisco
Treg cell therapy in autoimmune diseases and transplantation

Major Symposium B: Immune Regulation of Adipose Tissue Homeostasis
Ballroom B

Chairs:
Vishwa Deep Dixit, Yale Sch. of Med.
Alyssa H. Hasty, Vanderbilt Univ.

Speakers:
Alyssa H. Hasty, Vanderbilt Univ.
A novel role for resident adipose tissue macrophages in iron handling

David Artis, Weill Cornell Med. Coll.
Regulation of immunity and inflammation

Immunometabolic crosstalk of the innate immune system in adipose tissue

Vishwa Deep Dixit, Yale Sch. of Med.
Harnessing immune-metabolic interactions to enhance healthspan

Adipose tissue-resident Tregs in age-associated insulin resistance

Jorge Caamaño, Univ. of Birmingham, United Kingdom
Fat associated lymphoid clusters in inflammation and immune responses

SUNDAY, MAY 14, 8:00 AM

Major Symposium C: T and B Cell Tolerance: Old Subject, New Insights
Ballroom A

Chairs:
Mark M. Davis, HHMI, Stanford Univ.
Kristin A. Hogquist, Univ. of Minnesota

Speakers:
Kristin A. Hogquist, Univ. of Minnesota
Stages of thymic clonal deletion

Peter A. Savage, Univ. of Chicago
Going rogue: Aire and the enforcement of immune tolerance

Klaus Ley, La Jolla Inst. for Allergy and Immunol.
Expansion and collapse of ApoB-specific CD4 T cells in atherosclerosis

Regulation of tolerance in the self antigen-specific CD4+ T cell repertoire

Katie Haskins, Univ. of Colorado Sch. of Med.
Hybrid insulin peptides as autoantigens for CD4 T cells in autoimmune diabetes

Christopher C. Goodnow, Garvan Inst. of Med. Res., Australia
Autoantibodies, energy, mutations, and CTLA4: redemption or revolt of forbidden clones

Major Symposium D: Immune Restriction or Antagonism at the Host-Virus Interface
Ballroom B

Chairs:
Sonja M. Best, NIAID, NIH

Speakers:
Matthew Daugherty, Univ. of California, San Diego
Evolution of innate antiviral immunity

Sonja M. Best, NIAID, NIH
Restriction of flavivirus replication by TRIM proteins

Saumendra N. Sarkar, Univ. of Pittsburgh Sch. of Med.
New insights in the mechanism of action of OAS-family proteins

Meike Dittmann, New York Univ. Sch. of Med.
Innate and intrinsic barriers of respiratory virus infections

Daved H. Fremont, Washington Univ. Sch. of Med.
Mechanisms of viral immune evasion

Brian M. Sullivan, Scripps Res. Inst.
T cell responses and platelet function during viral hemorrhagic fever
MONDAY, MAY 15, 8:00 AM

Major Symposium E: Communication across Barriers at the Skin and Mucosal Surfaces
Ballroom A

Chairs:
Hiroshi Kiyono, Univ. of Tokyo, Japan
Cathryn Nagler, Univ. of Chicago

Speakers:
Hiroshi Kiyono, Univ. of Tokyo, Japan
Paneth, mesenchymal, and innate lymphoid cell alliance as an immunological firewall for commensal and pathogenic microorganisms

Ken Cadwell, New York Univ. Sch. of Med.
Host-microbiome interactions and inflammatory bowel disease

Adrian C. Hayday*, Francis Crick Inst. and King’s Coll. London, United Kingdom
Epithelia use organ-specific butyrophilin-like molecules to compose local T cell compartments

Daniel Mucida, Rockefeller Univ.
Adaptation to the gut tissue: implications for immunity and tolerance

Cathryn Nagler, Univ. of Chicago
Regulation of allergic sensitization to food by commensal bacteria

Heidi H. Kong, NCI, NIH
Host-microbial interactions at the skin surface

TUESDAY, MAY 16, 8:00 AM

Major Symposium G: Many Shades of Grey: Multifaceted Nature of Immune Suppression in Cancer
Ballroom A

Chairs:
Dmitry I. Gabrilovich, Wistar Inst.
Suzanne Ostrand-Rosenberg, Univ. of Maryland, Baltimore County

Speakers:
Dmitry I. Gabrilovich, Wistar Inst.
Regulation of immune responses in cancer by myeloid-derived suppressor cells

Juan Cubillos-Ruiz, Weill Cornell Med.
Abnormal ER stress responses as drivers of immune cell dysfunction in cancer

Elizabeth A. Repasky, Roswell Park Cancer Inst.
Stress and immunosuppression: a matter of degree?

Joseph D. Rosenblatt, Univ. of Miami Miller Sch. of Med.
The emerging role of B regulatory cells in regulating antitumor immunity

Metabolic barriers to immunity

Suzanne Ostrand-Rosenberg, Univ. of Maryland, Baltimore County
The good, the bad, and the in-between: immune suppression, obesity, and tumor progression

Major Symposium H: Germinal Centers: Islands of Diversity
Ballroom B

Chairs:
Garnett H. Kelsoe, Duke Univ.
Patricia J. Gearhart, NIA, NIH

Speakers:
Garnett H. Kelsoe, Duke Univ.
Introduction

Cristina Rada, MRC Lab. of Molec. Biol., United Kingdom
Targeting and regulation of mammalian cytidine deaminases

Patricia J. Gearhart, NIA, NIH
Components of somatic hypermutation

Gabriel Victora, Rockefeller Univ.
Clonal dynamics in germinal centers

Mark J. Shlomchik, Univ. of Pittsburgh Sch. of Med.
Signaling and selection in the germinal center

Ulf Klein, Columbia Univ.
Molecular control of the germinal center B cell reaction

Garnett H. Kelsoe, Duke Univ.
Selection by antigen in germinal centers
AAI PROGRAM COMMITTEE

Back to School: A Review of Four Fast-Moving Fields
FRIDAY, MAY 12, 2:30 PM – 4:30 PM

Chairs:
Wendy L. Havran, Scripps Res. Inst; AAI Program Committee Chair
Dorian B. McGavern, NINDS, NIH

Speakers:
Ellen V. Rothenberg, California Inst. of Technol.
Transcriptional and epigenetic mechanisms regulating lymphocyte fate
Kathy D. McCoy, Univ. of Calgary, Canada
The influence of the microbiome on systemic immunity
Germline-targeting vaccine design for HIV
Dorian B. McGavern, NINDS, NIH
Imaging the immune response

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.

AAI EDUCATION COMMITTEE

Immunology Teaching Interest Group
SATURDAY, MAY 13, 11:00 AM – 1:00 PM

Chairs:
Julie M. Jameson, California State Univ., San Marcos
David W. Mullins, Dartmouth Col.

Panelists:
Manoj K. Mishra, Alabama State Univ.
Engaging undergraduate students in immunology through problem-based learning modules
David W. Mullins, Dartmouth Col.
Digital communication and social media to connect with the modern student
Keith E. Garrison, St. Mary's Col. of California
Undergraduate clinical lab simulation using ELISA
Devavani Chatterjee, Macalester Col.
Discerning, crafting, and telling immunological stories: a semester-long scaffolded writing project for beginning immunologists
Edith Porter, California State Univ., Los Angeles
Teaching students how to formulate research questions: adaptation of the question formulation technique to the upper-division immunology curriculum

Are you looking for new ideas or strategies to enliven and improve your teaching? If so, please join us for this special interest group which will focus on strategies that instructors can use to successfully convey immunology concepts to students at the undergraduate and graduate level. Topics will include the applications of problem-based learning, the use of digital communication and social media in modern teaching, strategies for teaching laboratory methods, and more. The session will end with structured breakout discussion groups for undergraduate and graduate/medical school teaching. Current educators, new faculty, and trainees with an interest in teaching are welcome.

The AAI Public Policy Fellows hold informal sessions at the AAI Booth every annual meeting.

AAI PUBLICATIONS COMMITTEE

Publish or Perish? Pearls and Perils in Writing and Reviewing Scientific Manuscripts
SATURDAY, MAY 13, 10:15 AM – 12:15 PM

Chairs:
Bethany B. Moore, Univ. of Michigan; AAI Publications Committee Chair
Pamela J. Fink, Univ. of Washington Sch. of Med.; Editor-in-Chief, The Journal of Immunology

Speakers:
Bethany B. Moore, Univ. of Michigan
Ready, set, write…maintaining momentum in manuscript preparation
Kristin A. Hogquist, Univ. of Minnesota
Responding to reviewers: what you want to say and what you should say
Michael P. Cancro, Univ. of Pennsylvania Sch. of Med.
How to review scientific manuscripts: the forest or the trees?
Pamela J. Fink, Univ. of Washington Sch. of Med.
Ethical issues in scientific publishing: just because you CAN doesn't mean you SHOULD

Your data are good and now it's time to write the manuscript. What steps are essential to tell the story clearly and convincingly? What is the best way to present your data? Once the manuscript is reviewed, how should you respond to the reviewer comments? What ethical pitfalls should you be aware of in order to avoid possible problems? If you would like to become a reviewer, what do you need to know about how to review a manuscript? These and other questions will be addressed in this session sponsored by the AAI Publications Committee.
AAI MINORITY AFFAIRS COMMITTEE

Careers Roundtable and Speed Networking Session
SATURDAY, MAY 13, 11:45 AM – 2:15 PM

Chair:
Chérié L. Butts, Biogen; AAI Minority Affairs Committee Chair

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. Scientists and trainees of all backgrounds are encouraged to attend! Registration Fee: $25 (Includes lunch; coffee/cookies during networking hour.)

Discussion topics and table leaders:

• Grad student: finding a mentor, taking aim at postdoc training
  Table Leaders: Claudia Jakubzick, Natl. Jewish Hlth.; Luis A. Sanchez-Perez, Duke Univ.; Tonya Webb, Univ. of Maryland; Harlan Jones, Univ. of North Texas Hlth. Sci. Ctr.

• Postdoc: finding a mentor, taking aim at a faculty position
  Table Leaders: Mireia Guerau-de-Arellano, Ohio State Univ.; Charlotte Vines, Univ. of Texas, El Paso; Eduardo Davila, Univ. of Maryland Greenebaum Cancer Ctr.

• Junior faculty: preparing for promotion and tenure
  Table Leaders: Robert J. Binder, Univ. of Pittsburgh; Floyd Wormley, Univ. of Texas, San Antonio; Joseph Larkin III, Univ. of Florida

• NEW! Mid-career faculty: creative strategies for maintaining momentum in funding, research, and people management

• Academia or industry: how to decide (or switch sides)
  Table Leaders: Jonathan A. Deane, GNF/Novartis; Robert Balderas, BD Biosciences; Margaret Bynoe, Cornell Univ. Col. of Vet. Med.

• Government agency careers: CDC, FDA, NIH
  Table Leaders: Marta Catalfamo, Georgetown Univ.; Charles Egwuagu, NEI, NIH

• Non-bench research science careers – e.g., scientific publishing; entrepreneurship; intellectual property/patent law; scientific non-profits/foundations
  Table Leaders: James W. Lillard, Morehouse Sch. of Med. and JYANT Technologies, Inc.; Thandi M. Onami, Bill & Melinda Gates Fndn. (Global Health – HIV Vaccines); Fabiola V. Rivas, Cell Press

AAI CLINICAL IMMUNOLOGY COMMITTEE

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

Tumor Immunotherapy in Comparative Oncology
SATURDAY, MAY 13, 12:30 PM – 2:30 PM

Chairs:
Crystal L. Loving, Natl. Animal Dis. Ctr., ARS, USDA; AAVI Veterinary Immunology Committee Chair
Radhey Kaushik, South Dakota State Univ.; AAI President

Speakers:
Nicola J. Mason, Univ. of Pennsylvania Sch. of Vet. Med.
CART cell therapy in dogs with hematological malignancies

Lawrence B. School, Univ. of Illinois Col. of Agricultural, Consumer and Envrn. Sci.
The Oncopig Cancer Model (OCM): a platform for transitional, translational and transformative advances in cancer research

David M. Vail, Univ. of Wisconsin Sch. of Vet. Med.
Defining the value of comparative cancer immunotherapy clinical trials in companion species

Jaime F. Modiano, Univ. of Minnesota Col. of Vet. Med.
Opportunities to accelerate translation of cancer immunotherapy through companion animal trials

This symposium will feature approaches for cancer immunotherapy relevant to both human and veterinary health, with an emphasis on immune system recognition and activation. Various active and passive immunotherapy approaches will be presented, highlighting the ability of antibodies and immune cells to destroy tumor cells while sparing healthy cells. The symposium will highlight recent advances in comparative tumor immunology that demonstrate translational cohesion and support the current “One Health” approach to identify scientific commonalities and medical treatments that benefit both humans and animals.

AAI CLINICAL IMMUNOLOGY COMMITTEE

Lymphocyte Engineering for Cancer and Beyond
SATURDAY, MAY 13, 3:45 PM – 5:45 PM

Chairs:
Thomas E. Gajewski, Univ. of Chicago Med. Ctr.; AAI Clinical Immunology Committee Chair
Agnes M. Azimzadeh, Univ. of Maryland

Speakers:
The human T cell as a therapeutic drug

David M. Scott, Uniformed Serv. Univ. of Hlth. Sci.
Driving CARs to BARs: the road to engineered human antigen-specific regulatory and cytotoxic T cells

Malcolm K. Brenner, Baylor Col. of Med.
Adoptive immunotherapy of cancer: beyond the B cell barrier

Charles L. Sentman, Geisel Sch. of Med., Dartmouth
Design and engineering of immune receptors for adoptive cell therapy
The adoptive transfer of specific lymphocyte subsets has been pursued as a strategy for immunotherapy over the past several decades, either for immune potentiation or immune suppression. Advances in genetic engineering technologies have enabled the reprogramming of lymphocytes, providing these cells with new specificities and even new functional attributes. Perhaps the most advanced of these strategies in clinical development is the application of chimeric antigen receptor (CAR)-transduced T cells for the treatment of B cell malignancies. This session will explore the diversity of approaches being investigated in lymphocyte engineering, both in the context of cancer and in other clinical scenarios.

AAI COMMITTEE SYMPOSIA AND SESSIONS

AAI EDUCATION COMMITTEE

Careers in Biotech: Panel Discussion and Networking
SATURDAY, MAY 13, 7:00 PM – 9:00 PM
Chair:
Kerry A. Casey, MedImmune
Panelists:
Ann Field, Associate Director, Research Project and Portfolio Management, MedImmune
Andrea Itano, Vice President, Head of Tempero Discovery Performance Unit, GlaxoSmithKline
Ingrid L. Scully, Senior Principal Scientist, Pfizer
Matthew Sleeman, Executive Director, Immunology & Inflammation, Regeneron Pharmaceuticals, Inc.

Many opportunities exist in industry for scientists with advanced degrees. There are positions in laboratory research, program management, business development, regulatory affairs, clinical trials oversight, medical liaison, and more. This panel features scientists employed in a variety of positions in industry discussing their career paths and the skills required for success in each. Following the panel discussion, enjoy casual conversation with the speakers and other scientists from industry at a networking reception.

Careers in Science Roundtable
SUNDAY, MAY 14, 11:30 AM – 1:00 PM
Chair:
Virginia Shapiro, Mayo Clin.; AAI Committee on the Status of Women Chair

At this 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. Recently added topics offer insights into international opportunities in science, NIH Study Sections, considerations for scientists in M.D.-Ph.D. careers, and a number of ways scientists contribute to the field in non-research careers. Choose from these and other 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! Registration Fee: $25 (Lunch included.)

Discussion topics and table leaders:
Research Careers in Academia
• Graduate student to postdoc: finding a postdoc, interviewing
  Table Leaders: Steve M. Varga, Univ. of Iowa; Subbarao Bondada, Univ. of Kentucky; Ashok Kumar, Children's Hosp. of East Ontario Res. Inst.; Arash Grakoui, Emory Univ.; Chander Raman, Univ. of Alabama, Birmingham; Michelle A. Kutzler, Drexel Univ. Col. of Med.; Lori R. Covey, Rutgers Univ.; Klaus Ley, La Jolla Inst. for Allergy and Immunol.; Tonya J. Webb, Univ. of Maryland Sch. of Med.
• Postdoc to PI: finding a position, interviewing, negotiating, lab start-up
  Table Leaders: Lauren A. Zenevitch, Univ. of Oklahoma Hlth. Sci. Ctr.; Bao Q. Vuong, City Col. of New York; Damian I. Turner, Williams Col.; Lisa K. Denzin, Rutgers Univ.; Heather R. Conti, Univ. of Toledo; Fotini

SPECIAL ACTIVITIES AT THE AAI BOOTH

Visit the AAI Booth for the following activities throughout IMMUNOLOGY 2017™:

SATURDAY, MAY 13
2:30-3:45 PM: Meet ImmunoHorizons Co-Editor-in-Chief Leslie J. Berg and Pamela J. Fink, Editor-in-Chief of The Journal of Immunology. Learn about AAI Minority Affairs Committee (MAC) activities from Cherié Butts, Chair, AAI Minority Affairs Committee (MAC).
3:45-4:30 PM: Meet the AAI Public Policy Fellows.

SUNDAY, MAY 14
2:30-3:45 PM: Meet Pamela J. Fink, Editor-in-Chief of The Journal of Immunology and ImmunoHorizons Co-Editor-in-Chief Michael S. Krangel. Meet the AAI Public Policy Fellows.

MONDAY, MAY 15
2:30-3:45 PM: Learn about the Career Advisory Board (CAB) from Virginia Shapiro, Chair, Committee on the Status of Women (CSOW).

• New PI
  - Attracting students and postdocs
    Table Leaders: Laura A. Solt, Scripps Res. Inst.; Louise M. D’Cruz, Univ. of Pittsburgh
  - Preparing for promotion
    Table Leaders: Yina H. Huang, Dartmouth Geisel Sch. of Med.; Lisa H. Butterfield, Univ. of Pittsburgh

• Negotiating an academic position
  Table Leaders: Malini Raghavan, Univ. of Michigan; Janice S. Blum, Indiana Univ. Sch. of Med.

• Undergraduate institutions: finding the balance in teaching, doing research
  Table Leaders: Charlotte M. Vines, Univ. of Texas, El Paso; Penny E. Shockett, Southeastern Louisiana Univ.; Julie M. Jameson, California State Univ., San Marcos

• Mentoring effectively
  Table Leaders: Partha Sarathi Biswas, Univ. of Pittsburgh; Lawrence P. Kane, Univ. of Pittsburgh

Networking Skills
• How to build a network for postdocs
  Table Leaders: Paula M. Oliver, Univ. of Pennsylvania; Amanda C. Poholek, Univ. of Pittsburgh; Elizabeth A. Rapasky, Roswell Park Cancer Inst.

• Networking skills for PIs
  Table Leaders: Madeleine W. Cunningham, Univ. of Oklahoma Hlth. Sci. Ctr.; Suzanne Ostrand-Rosenberg, Univ. of Maryland, Baltimore County

Career and Family: balancing parenthood and career; the dual career couple
  Table Leaders: Cathryn Nagler, Univ. of Chicago; Laura Santambrogio, Albert Einstein Col. of Med.

Careers in Biotech and Industry: moving from academia to industry and vice versa
  Table Leaders: Andrew C. Chan, Genentech; Divya Sagar, MedImmune; Safiur Rahman, MedImmune; Jennifer Towne, Janssen Therapeutics; Laura L. Carter, Lycera Corp.; Catherine J. McMahen, Emergent BioSolutions; Mandy J. McGeachy, Univ. of Pittsburgh; Leonard Dragone, Genentech

Careers at Governmental Agencies
  Table Leaders: Daniela Vertelyi, FDA; Pam L. Schwartzberg, NHGRI, NIH; Joan K. Lunney, USDA; Alison Deckhut Augustine, NIAID, NIH; Jonathan W. Newell, NIAID, NIH

NIH Study Section Insights
• Grant writing for fellowships/transition awards
  Table Leaders: Maureen Ann McGarrigle, St. Jude Children’s Res. Hosp.; Michael A. Farrar, Univ. of Minnesota; Kristin A. Hogquist, Univ. of Minnesota

• Grant writing for PIs
  Table Leaders: Virginia Shapiro, Mayo Clin.; Mark L. Lang, Univ. of Oklahoma Hlth. Sci. Ctr.; Robert J. Binder, Univ. of Pittsburgh; Catherine C. “Lynn” Hedrick, La Jolla Inst. for Allergy and Immunol.

The Physician Scientist: balancing clinical and research duties
  Table Leaders: Saad Kendrarian, Mayo Clin.; Penelope A. Morel, Univ. of Pittsburgh

Research from the M.D., Ph.D. Perspective
  Table Leader: H. R. Williams, Emory Univ.

Non-Research Careers for Scientists: careers enabling scientists to advance the field away from the bench
• Scientific publishing
  Table Leaders: Ellen C. Fox, AAI, The Journal of Immunology; Angela Colmane, AAAS, Science Immunology

• Opportunities for scientists in foundations/non-profits
  Table Leaders: M. Michele Hogan, AAI, Executive Director; Susanna E. Greer, American Cancer Society

• Careers in technology transfer
  Table Leaders: Wendy Martin, Univ. of Maryland, Baltimore County; Mark L. Rohrbaugh, Office of Intramural Research, NIH

• Careers in science policy
  Table Leaders: Lauren G. Gross, AAI, Public Policy and Government Affairs; Carrie D. Wollinett, Office of Science Policy, NIH

International Opportunities in Science
  Table Leaders: Susan John, Kings Coll. London; John E. Connolly, Inst. of Molecular and Cell Biol., Singapore

AAI COMMITTEE ON PUBLIC AFFAIRS

Biomedical Research Priorities in the New Administration and Congress
MONDAY, MAY 15, 10:15 AM – 12:15 PM

Chair:
Beth A. Garvy, Univ. of Kentucky, AAI Committee on Public Affairs Chair

A new presidential administration can usher in a great deal of change, including new leadership in key scientific posts who will help implement the president’s agenda and fulfill the missions of their agencies. This session will explore President Donald Trump’s budget and policy priorities, as well as the priorities of the Republican-led Congress, in the area of biomedical research. What changes can we expect, and what issues are likely to dominate the debate? Join the AAI Committee on Public Affairs in welcoming experts who can share important insights and answer pivotal questions.

AAI VANGUARD LECTURE

Sponsored by the AAI Minority Affairs Committee
MONDAY, MAY 15, 11:15 AM – 12:15 PM

Chair:
Chérié L. Butts, Biogen; AAI Minority Affairs Committee Chair

Speaker:
Tyler J. Curiel, Univ. of Texas Hlth. Sci. Ctr., San Antonio
Advancing towards optimized cancer immunotherapy

Since 2003, the AAI meeting has featured a scientific lecture presented by an AAI member who is an under-represented minority investigator. Selected for their achievements in the field of immunology, presenters are among the most prominent investigators in the field and models of successful career development.
NIH SYMPOSIA

NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES (NIAID) SYMPOSIUM

The New Frontier: Diverse Mouse Models for the Advancement of Human Immunology
SATURDAY, MAY 13, 12:30 PM – 2:30 PM

Chairs:
Sonia Sharma, La Jolla Inst. for Allergy and Immunol.
Kentner Singleton, NIAID, NIH

Speakers:
David Masopust, Univ. of Minnesota Med. Sch.
Immunology in a dirty mouse model
Sonia Sharma, La Jolla Inst. for Allergy and Immunol.
Adapting the CRISPR/Cas9 screening approach to primary immune cells and in vivo models of immunological disease
Jeffrey A. Frelinger, Univ. of Arizona
Using the Collaborative Cross to address complex genetics in immunology
Bruce Beutler, Univ. of Texas Southwestern Med. Ctr.
The new forward genetics

NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCES (NIEHS) SYMPOSIUM

B Cell Responses to Environmental Exposures
SUNDAY, MAY 14, 8:00 AM – 10:00 AM

Chairs:
Michael C. Humble, NIEHS, NIH
Mary H. Foster, Duke Univ.

Speakers:
Mary H. Foster, Duke Univ.
Respiratory silica exposure and humoral autoimmunity
Allen Rosenspire, Wayne State Univ.
Developmental and environmental regulation of B cell receptor sensitivity potentially shapes the B cell repertoire
Norbert E. Kaminski, Michigan State Univ.
Role of aryl hydrocarbon-dioxin interaction in impairment of human stem cell to B cell lineage commitment

NATIONAL INSTITUTE ON AGING (NIA) SYMPOSIUM

Innate Immunity and Aging
SUNDAY, MAY 14, 10:15 AM – 12:15 PM

Chairs:
Rebecca A. Fuldner, NIA, NIH
Elizabeth J. Kovacs, Univ. of Colorado, Denver

Speakers:
Matthew T. Rondina, Univ. of Utah
Platelet reprogramming in aging drives dysregulated inflammation
Ruth R. Montgomery, Yale Univ.
Systems analysis of innate immune responses in aging
Charles T. Lutz, Univ. of Kentucky
TRA
Elizabeth J. Kovacs, Univ. of Colorado, Denver
Aging alters macrophage responses in the lung

NATIONAL CANCER INSTITUTE (NCI) SYMPOSIUM

BRD4, a Central Player in Cancer and Immune Responses
MONDAY, MAY 15, 10:15 AM – 12:15 PM

Chairs:
Devaiah Ballachanda, NCI, NIH
T. Kevin Howcroft, NCI, NIH

Speakers:
Dinah S. Singer, NCI, NIH
BRD4, linking chromatin structure and transcription
Cheng-Ming Chiang, Univ. of Texas Southwestern Med. Ctr.
BRD4 in gene-specific targeting and cancer therapeutics
Rugang Zhang, Wistar Inst.
BRD4 and antitumor immunity in ovarian cancer
Gerald V. Denis, Boston Univ. Sch. of Med.
BET bromodomain proteins couple microenvironment cytokines to breast cancer progression

NATIONAL INSTITUTES OF HEALTH IMMUNOLOGY INTEREST GROUP (IIG) SYMPOSIUM

The Rising Face of NIH: New Investigators in the NIH Intramural Program. A Tribute to Bill Paul
MONDAY, MAY 15, 10:15 AM – 12:15 PM

Chairs:
Vanja Lazarevic, NCI, NIH
Pamela Schwartzberg, NHGRI, NIH

Speakers:
Vanja Lazarevic, NCI, NIH
Transcriptional regulation of autoreactive CD4+ T cell responses
Daniel L. Barber, NIAID, NIH
Protective and pathogenic CD4+ T cell responses in Mycobacterium tuberculosis infection
Michail S. Lionakis, NIAID, NIH
Bench to bedside study of candidiasis
Jennifer A. Martinez, NIEHS, NIH
Non-canonical autophagy links efferocytosis to inflammation
Iain D. Fraser, NIAID, NIH
Novel insight to cross-species innate immune signaling networks through systematic genetic screening
John S. Tsang, NIAID, NIH
Systems/quantitative approaches to study immunology: from humans to single cells
CANADIAN SOCIETY FOR IMMUNOLOGY (CSI) SYMPOSIUM

Dendritic Cells and Macrophages in Health and Disease: Remembering Cheolho Cheong
SATURDAY, MAY 13, 8:00 AM – 10:00 AM

Chairs:
Clinton S. Robbins, Peter Munk Cardiac Ctr., Toronto Gen. Res. Inst., Canada
Myron I. Cybulsky, Peter Munk Cardiac Ctr., Toronto Gen. Res. Inst., Canada

Speakers:
Maziar Divangahi, McGill Univ., Canada
Macrophages in pulmonary infectious diseases
Unleashing inflammation in cardiovascular disease
Jaehoon Choi, Hanyang Univ., Korea
Dissecting the function of dendritic cells in atherosclerosis
Myron I. Cybulsky, Peter Munk Cardiac Ctr., Toronto Gen. Res. Inst., Canada
Homeostatic and pathogenic functions of arterial intimal dendritic cells
Slava Epelman, Peter Munk Cardiac Ctr., Toronto Gen. Res. Inst., Canada
Defining cardiac dendritic cell origins and functions

SOCIETY FOR IMMUNOTHERAPY OF CANCER (SITC) SYMPOSIUM

Mechanisms of Resistance to Immunotherapy
SATURDAY, MAY 13, 8:00 AM – 10:00 AM

Chairs:
Michael B. Atkins, Georgetown Lombardi Comprehensive Cancer Ctr.
Mario Sznol, Yale Sch. of Med.

Speakers:
Steven A. Rosenberg, NCI, NIH
Characterizing tumor-specific T cell responses in tumors with low mutation rates
Roger S. Lo, Univ. of California, Los Angeles
Pathway and mutation analyses in melanoma tumors resistant to anti-PD-1
Ira Mellman, Genentech
Insights into mechanisms of immune cell antagonism by PD-1 engagement in animal models
Louis M. Weiner, Georgetown Lombardi Comprehensive Cancer Ctr.
Use of shRNA screens to identify novel immune checkpoints
Carla V. Rothlin, Yale Univ.
Role of receptor tyrosine kinases in function of intratumoral monocytes and macrophages
Nicholas P. Restifo, NCI, NIH
Role of oxygen in immunosuppression

AMERICAN SOCIETY OF GENE AND CELL THERAPY (ASGCT) SYMPOSIUM

Extending Genetically Modified T cells to CD19-Negative Hematologic Malignancies
SATURDAY, MAY 13, 10:15 AM – 12:15 PM

Chairs:
Saar Gill, Univ. of Pennsylvania

Speakers:
Overcoming TGF-β as an immune evasion strategy
Terry J. Fry, NCI, NIH
Potential for improving durability of CAR-induced remissions
Saar Gill, Univ. of Pennsylvania
CAR T cells for myeloid malignancies
Maksim Mamonkin, Baylor Col. of Med.
Targeting T cell malignancies with CAR T cells

CHINESE SOCIETY OF IMMUNOLOGY (CSI) SYMPOSIUM

Host Responses to Infection and Tumor
SATURDAY, MAY 13, 10:15 AM – 12:15 PM

Chairs:
Zhigang Tian, Univ. of Sci. and Technol. of China, China
Yang-Xin Fu, Univ. of Texas Southwestern Med. Ctr.

Speakers:
Zhigang Tian, Univ. of Sci. and Technol. of China, China
Retrospective overview of 10 years of CSI guest symposium
Cuihua Liu, CAS Key Lab. of Pathogenic Microbiol. and Immunol., Inst. of Microbiol., Chinese Acad. of Sci., China
Regulation of host cellular functions by M. tuberculosis secreted effector proteins
Xiaoyu Hu, Inst. for Immunol., Tsinghua Univ., China
Regulation of inflammation by Notch signaling
Chenqi Xu, Inst. of Biochem. and Cell Biol., Chinese Acad. of Sci., China
Membrane lipids and T cell signaling
Lilin Ye, Inst. of Immunol., Third Military Med. Univ., China
T cells in B cell follicle
Lai Wei, Sun Yat-sen Univ., China
Epigenetic therapy for inflammatory disease targeting helper T cells
sparing healthy cells. The symposium will highlight recent advances in comparative tumor immunology that demonstrate translational cohesion and support the current “One Health” approach to identify scientific commonalities and medical treatments that benefit both humans and animals.

JAPANESE SOCIETY FOR IMMUNOLOGY (JSI) SYMPOSIUM

Innate and Adaptive Helper Cells in Metabolism and Infection
SATURDAY, MAY 13, 12:30 PM – 2:30 PM

Chairs:
Hiroshi Takayanagi, Univ. of Tokyo, Japan
Kasuyo Moro, RIKEN Ctr. for Integrative Med. Sci., Japan

Speakers:
Kasuyo Moro, RIKEN Ctr. for Integrative Med. Sci., Japan
Discovery of group 2 innate lymphoid cells
Norifumi Iijima, Natl. Inst. of Biomed., Innovation, Health, and Nutrition, Japan
Peripheral immune protection against mucosal virus infection
Kazuo Okamoto, Univ. of Tokyo, Japan
IL-17-producing T cells in the autoimmune and bone diseases
Yusuke Endo, Chiba Univ., Japan
Elucidation of the role of fatty acid metabolism in Th cell differentiation under obese conditions
Hiroshi Takayanagi, Univ. of Tokyo, Japan
Osteoimmunology and autoimmune diseases

INTERNATIONAL COMPLEMENT SOCIETY (ICS) SYMPOSIUM

21st Century Complement: Beyond the Textbooks
SATURDAY, MAY 13, 3:45 PM – 5:45 PM

Chairs:
Andrea J. Tenner, Univ. of California, Irvine
Berhane Ghebrehiwet, Stony Brook Univ. Hlth. Sci. Ctr.

Speakers:
Jörg Köhl, Univ. of Lübeck, Germany, and Cincinnati Children’s Hosp.
Complement as a potential clinical driver and therapeutic target in Gaucher’s disease
Baerbel Rohrer, Med. Univ. of South Carolina
Complement and age-related macular degeneration – anaphylatoxins and RPE signaling
Rick A. Wetsel, Univ. of Texas McGovern Med. Sch.
Complement response to Listeria monocytogenes: modulation of an intracellular beta-interferon response pathway
Complement activation as a target for combating infections
*EMBO Young Investigator Lecture
Celebrate science in style at the Newseum, the world-famous museum of news and journalism. You’re invited to enjoy appetizers from Wolfgang Puck, drink, and dance the night away amidst front pages from 80 international newspapers, the powerful Pulitzer Prize Photographs Gallery, and interactive displays that tackle real-life reporting dilemmas. View entire sections of the Berlin Wall and explore where rock and roll and politics meet at the Newseum’s newest exhibit, “Louder than Words.” Before you leave, visit the balconies for breathtaking views of the White House and the U.S. Capitol building.

The news has never been more exciting! Your entry and two drink tickets are included with your registration. Make plans to attend!

Generously sponsored by BioLegend
SOCIETY FOR GLYCOBIOLOGY (SfG) SYMPOSIUM

Emerging Roles for Glycans in Immunity and Novel Tools to Understand Them
SATURDAY, MAY 13, 3:45 PM – 5:45 PM

Chairs:
Brian A. Cobb, Case Western Reserve Univ. Sch. of Med.
Natasha Zachara, Johns Hopkins Univ. Sch. of Med.

Speakers:
Brian A. Cobb, Case Western Reserve Univ. Sch. of Med.
Simple tools for the study of the glycome: an HIV glycomic biomarker case report
Rick L. Tarleton, Univ. of Georgia
Manipulating the host: the Trypanosoma cruzi immune interface
Natasha Zachara, Johns Hopkins Univ. Sch. of Med.
Tuning OGT and OGA expression reveals a role for dynamic O-GlcNAcylation in regulating AMPK signaling and autophagy
Stefan Ruhl, Univ. of Buffalo Sch. of Dent. Med.
Saliva glycoproteins as a first line oral host defense
Michael Demetriou, Univ. of California, Irvine Sch. of Med.
Metabolic regulation of immunity and autoimmunity via N-glycosylation

SOCIETY FOR LEUKOCYTE BIOLOGY (SLB) SYMPOSIUM

Innate Lymphoid Cells in Immunity
SUNDAY, MAY 14, 10:15 AM – 12:15 PM

Chairs:
Mark A. Wallet, Univ. of Florida
Matthew J. Delano, Univ. of Michigan
Louis B. Justement, Univ. of Alabama

Speakers:
Jörg H. Fritz, McGill Univ., Canada
Regulation of group 2 innate lymphoid cells
Kristine-Ann Buela, Case Western Reserve Univ. Sch. of Med.
The role of ILC2s activated by microbiota-induced IL-33 in the pathogenesis of Crohn’s-like ileitis
Jamie Lynn Sturgill, Virginia Commonwealth Univ.
Targeting sphingolipids as a novel control mechanism for ILC2-mediated lung inflammation
Yin Guo, Vanderbilt Univ. Med. Ctr.
Interleukin-15 enables septic shock by maintaining natural killer cell integrity and function

AMERICAN SOCIETY FOR REPRODUCTIVE IMMUNOLOGY (ASRI) SYMPOSIUM

Innate Immunity and Pregnancy
SUNDAY, MAY 14, 10:15 AM – 12:15 PM

Chairs:
Peter J. Hansen, Univ. of Florida

Speakers:
Pregnancy: a model for cancer, not transplantation
The role of IL-22 cytokine in pregnancy
John Bromfield, Univ. of Florida
Ovarian innate immunity: impacts of uterine infection on oocytes and follicles
Peter J. Hansen, Univ. of Florida
Programming of mammalian development by maternally derived cytokines

INTERNATIONAL CYTOKINE AND INTERFERON SOCIETY (ICIS) SYMPOSIUM

Cytokines, Cells, and Disease
SUNDAY, MAY 14, 12:30 PM – 2:30 PM

Chairs:
Ram Savan, Univ. of Washington
Katrin Mayer-Barber, NIAID, NIH

Speakers:
Keiko Ozato, NICHHD, NIH
Super enhancers in macrophage innate immunity: the role of BRD4
Ram Savan, Univ. of Washington
Regulatory elements controlling type III IFN responses during viral infection
Lisa Osborne, Univ. of British Columbia, Canada
Immune-mediated regulation of the intestinal virome
Ari Molofsky, Univ. of California, San Francisco
Defining group 2 innate lymphoid cell tissue niches
Katrin Mayer-Barber, NIAID, NIH
Inflammatory cytokines and lipid mediators in host resistance to tuberculosis
Howard Young, NCI, NIH
The dark side of interferon-gamma
AAI Courses in Immunology

2017 Introductory Course in Immunology
July 11–16, 2017
UCLA Luskin Conference Center, Los Angeles, California

Director: Juan Carlos Zúñiga-Pflücker, Ph.D.
University of Toronto and Sunnybrook Research Institute

This comprehensive two-part course, taught by leading experts, provides an in-depth 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 11–13)** is a detailed introduction to the basic principles of immunology and is suitable for students with a general biology background. **Part II (July 14–16)** is a clinically oriented lecture series focusing on specialty areas. Parts I and II may be taken independently at the discretion of the student.

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2017 Advanced Course in Immunology
July 23–28, 2017
Seaport World Trade Center, Boston, Massachusetts

Director: Ulrich H. von Andrian, M.D., Ph.D.
Harvard Medical School and Ragon Institute at MGH, MIT and Harvard

Established in 1966, this intensive course is directed toward advanced trainees and scientists who wish to expand or update their understanding of the field. World-renowned immunologists 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 basic principles of immunology and laboratory techniques.

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For more information visit
www.aai.org/Education/Courses

Please direct inquiries to meetings@aai.org or 301-634-7178.
SOCIETY FOR NATURAL IMMUNITY (SNI) SYMPOSIUM

Natural Killer Cells and Cancer: From Basic Research to Clinical Application
SUNDAY, MAY 14, 12:30 PM – 2:30 PM

Chairs:
Adelheid Cerwenka, German Cancer Res. Ctr., Germany
Hans-Gustaf Ljunggren, Karolinska Inst., Sweden

Speakers:
Thierry Walzer, Ctr. International de Recherche en Infectiologie (CIRI), Lyon, France
Regulation and role of mTOR in NK cells during antitumor responses
Mariapia A. Degli-Esposti, Univ. of Western Australia, Australia
TBA
Jianhua Yu, Ohio State Univ.
Chimeric antigen receptor-redireced natural killer cells for cancer treatment
Jeffrey S. Miller, Univ. of Minnesota
Novel strategies to make NK cells remember and become antigen specific

AMERICAN SOCIETY OF TRANSPLANTATION (AST) SYMPOSIUM

Non-Antibody-Mediated Roles of B Cells in Auto- and Allo-immunity
SUNDAY, MAY 14, 3:45 PM – 5:45 PM

Chairs:
Maria-Luisa Alegre, Univ. of Chicago
David M. Rothstein, Univ. of Pittsburgh Med. Ctr.

Speakers:
Claudia Mauri, Univ. Col. London, United Kingdom
Regulatory B cells in autoimmunity
David M. Rothstein, Univ. of Pittsburgh Med. Ctr.
Modulation of the immune system by regulatory and effector B cells
Geetha Chalasani, Univ. of Pittsburgh
Role of B cells in shaping T cell memory and chronic rejection
Anita S. Chong, Univ. of Chicago
Tolerance of alloreactive B cells in transplantation

KOREAN ASSOCIATION OF IMMUNOLOGISTS (KAI) AND ASSOCIATION OF KOREAN IMMUNOLOGISTS IN AMERICA (AKIA) SYMPOSIUM

Crosstalk between Phagocytes and T Cells
SUNDAY, MAY 14, 3:45 PM – 5:45 PM

Chairs:
Cheong-Hee Chang, Univ. of Michigan Sch. of Med.
Chang-Duk Jun, Guangju Inst. of Sci. and Technol., Korea

Speakers:
Minsoo Kim, Univ. of Rochester
Neutrophil responses and resolution of flu infection in the airways
Wan-Uk Kim, Catholic Univ. of Korea, Seoul St. Mary’s Hosp., Korea
Role of nuclear factor of activated T cells 5 in macrophage survival and chronic arthritis
Myong-Hee Sung, NIA, NIH
Epigenomic profiling to identify optimal steroid intervention of macrophage inflammatory responses
Seung-Hyo Lee, Univ. of California, Los Angeles
Novel mechanisms of CRAC channel activation in T cells
Chang-Duk Jun, Guangju Inst. of Sci. and Technol., Korea
A pivotal role for TAGLN2 in Toll-like receptor-induced phagocytosis

INTERNATIONAL SOCIETY OF NEUROIMMUNOLOGY (ISNI) SYMPOSIUM

Innate and Adaptive Immunity in Neurodegenerative Disorders
MONDAY, MAY 15, 10:15 AM – 12:15 PM

Chairs:
Jonathan Kipnis, Univ. of Virginia
Ari Waisman, Johannes Gutenberg Univ. of Mainz, Germany

Speakers:
Maya Koronyo-Hamaoui, Cedars Sinai Med. Ctr.
Therapeutic roles of monocytes in Alzheimer’s disease
Frauke Zipp, Johannes Gutenberg Univ. of Mainz, Germany
Counteracting inflammatory attacks on the brain
Steve Lacroix, Laval Univ., Canada
Involvement of the IL-1 system in spinal cord cell death after injury
Michal Schwartz, Weizmann Inst. of Sci., Israel
Harnessing the immune system to protect the brain: the prospect of immune checkpoint blockade for treating Alzheimer’s disease
INTERNATIONAL SOCIETY FOR ADVANCEMENT OF CYTOMETRY (ISAC) SYMPOSIUM

The Many Colors of Flow, High Complexity Flow, and Image Cytometry

MONDAY, MAY 15, 12:30 PM – 2:30 PM

Chairs:
Andreas Radbruch, Deutsches Rheuma-Forschungszentrum, Germany

Speakers:
S. Alice Long, Benaroya Res. Inst.
Identifying mechanisms of failed tolerance in human autoimmunity
Pia Kvistborg, Netherlands Cancer Inst., Netherlands
Understanding immunotherapy by dissecting the tumor-specific T cell response
Pratip K. Chattopadhyay, NIAID, NIH
Precision immunology through deeper, single cell cytometry
Jonathan M. Irish, Vanderbilt Univ.
Learning and communicating cell identity in the context of cancer microenvironments
David W. Hedley, Princess Margaret Cancer Ctr., Canada
High complexity of histological sections using imaging mass cytometry

SOCIETY FOR MUCOSAL IMMUNOLOGY (SMI) SYMPOSIUM

Environmental Sensors of Immune Regulation at Mucosal Surfaces

MONDAY, MAY 15, 12:30 PM – 2:30 PM

Chairs:
Lauren A. Zenewicz, Univ. of Oklahoma Hlth. Sci. Ctr.
Joanne L. Viney, SMI

Speakers:
Liang Zhou, Univ. of Florida
Regulation of innate lymphoid cell balance in the gut
Lauren A. Zenewicz, Univ. of Oklahoma Hlth. Sci. Ctr.
Environmental regulation of the cytokine IL-22
Eran Elinav, Weizmann Inst. of Sci., Israel
Host-microbiome interactions in health and disease
Gary B. Huffnagle, Univ. of Michigan
Pulmonary immunity, inflammation, and the microbiome

CHINESE SOCIETY OF IMMUNOLOGY, TAIWAN (CSIT) SYMPOSIUM

Recent Advances in Galectin Research

TUESDAY, MAY 16, 8:00 AM – 10:00 AM

Chairs:
Jenny P. Ting, Univ. of North Carolina
Shie-Liang Hsieh, Academia Sinica, Taiwan

Speakers:
Betty A. Wu-Hsieh, Col. of Med., Natl. Taiwan Univ., Taiwan
Galectin-3 negatively regulates innate cell response to fungal pathogen
Kuo-I Lin, Academia Sinica, Taiwan
Galectins and O-GlcNAcylation in B cell activation and differentiation
Jr-Wen Shui, Inst. of Biomed. Sci., Academia Sinica, Taiwan
Galectin-9 maintains epithelial immunity and regulates intestinal inflammation
Cheng-Lung Gu, Chang-Gung Univ., Taiwan
Anti-IFN-gamma Ab in patients of mycobacterial diseases
Cheng-Yuan Kao, Natl. Hlth. Res. Inst., Taiwan
A multi-pronged study reveals insights in dusp6 and gut microbiota in obesity resistance diseases
CAREER DEVELOPMENT SESSIONS

Through workshops, roundtables, and one-on-one counseling, IMMUNOLOGY 2017™ provides critical career development programs.

Career sessions and services this year include:
- Careers and Networking Roundtables (2)
- Careers in Biotech: Panel Discussion and Networking
- How to Convert Your CV into a Resumé (followed by one-on-one consulting)
- Immunology Teaching Interest Group
- International Opportunities in Science — NEW!
- Interviewing for a Job
- NIH Grants Workshop
- Publish or Perish? Pearls and Perils in Writing and Reviewing Scientific Manuscripts
- Secrets for a Successful Postdoctoral Fellowship

AAI is also offering an online and on-site Jobs Board free to meeting registrants and exhibitors and an NIH Grant Review and Funding Information Room.

International Opportunities in Science - NEW!
FRIDAY, MAY 12, 2:30 PM – 4:00 PM

Chair:
Courtney R. Pinard, AAI, Education and Career Dev. Dept.

Panelists:
John E. Connolly, Inst. of Molecular and Cell Biol., Singapore
Maziar Divangahi, McGill Univ., Montréal, Canada
Chen Dong, Tsinghua Univ., Beijing, China
Adrian C. Hayday, King’s Coll. London, U.K.
Hans-Martin Jack, Univ. of Erlangen-Nürmberg, Erlangen, Germany
Betty-Wu-Hsieh, Coll. of Med., Natl. Taiwan Univ., Taipei, Taiwan

Working as a scientist outside of the United States requires curiosity, adaptability, and open-mindedness, which are qualities important for success in any career. Given the international reach of science, this new session will help immunologists learn about opportunities to gain professional experience beyond the United States. This panel features scientists employed at academic or research institutions around the globe. Panelists will discuss the postdoctoral fellowship and grant application process; the benefits of international training and employment; the challenges in finding science-related jobs outside of the U.S.; and the process of moving your lab to another country. This session is open to meeting attendees at all career stages.

How to Convert Your CV into a Resumé
SATURDAY, MAY 13, 9:00 AM – 10:00 AM

Speaker:
Derek Haseltine, Director, Career Development Center, Baylor Col. of Med.

For anyone seeking a job outside of academia, 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 10:30 AM to 12:30 PM. Bring your CV!

Publish or Perish? Pearls and Perils in Writing and Reviewing Scientific Manuscripts

Sponsored by the AAI Publications Committee
SATURDAY, MAY 13, 10:15 AM – 12:15 PM

Chairs:
Bethany B. Moore, Univ. of Michigan; AAI Publications Committee Chair
Pamela J. Fink, Univ. of Washington Sch. of Med.; Editor-in-Chief, The Journal of Immunology

Panelists:
Bethany B. Moore, Univ. of Michigan
Ready, set, write…maintaining momentum in manuscript preparation
Kristin A. Hogquist, Univ. of Minnesota
Responding to reviewers: what you want to say and what you should say
Michael P. Cancro, Univ. of Pennsylvania Sch. of Med.
How to review scientific manuscripts: the forest or the trees?

Ethical issues in scientific publishing: just because you CAN doesn’t mean you SHOULD

Your data are good and now it’s time to write the manuscript. What steps are essential to tell the story clearly and convincingly? What is the best way to present your data? Once the manuscript is reviewed, how should you respond to the reviewer comments? What ethical pitfalls should you be aware of in order to avoid possible problems? If you would like to become a reviewer, what do you need to know about how to review a manuscript? These and other questions will be addressed in this session sponsored by the AAI Publications Committee.
**Careers Roundtable and Speed Networking Session**  
Sponsored by the AAI Minority Affairs Committee  
SATURDAY, MAY 13, 11:45 AM – 2:15 PM

Chair:
Cherié L. Butts, Biogen; AAI Minority Affairs Committee Chair

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. Scientists and trainees of all backgrounds are encouraged to attend!  
Registration Fee: $25 (Includes lunch; coffee/cookies during networking hour.)

**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  
- NEW! Mid-career faculty: creative strategies for maintaining momentum in funding, research, people management  
- Academia or industry: how to decide (or switch sides)  
- Government agency careers: CDC, FDA, NIH  
- Non-bench research science careers – e.g., scientific publishing; entrepreneurship; intellectual property/patent law; scientific non-profits/foundations

For a complete list of table leaders please see page XI.
Careers in Biotech: Panel Discussion and Networking
Sponsored by the AAI Education Committee
SATURDAY, MAY 13, 7:00 PM – 9:00 PM

Chair:
Kerry A. Casey, MedImmune

Panelists:
Ann Field, Associate Director, Research Project and Portfolio Management, MedImmune
Andrea Itano, Vice President, Head of Tempero Discovery Performance Unit, GlaxoSmithKline
Ingrid L. Scully, Senior Principal Scientist, Pfizer
Matthew Sleeman, Executive Director, Immunology & Inflammation, Regeneron Pharmaceuticals, Inc.

Many opportunities exist in industry for scientists with advanced degrees. There are positions in laboratory research, program management, business development, regulatory affairs, clinical trials oversight, medical liaison, and more. This panel features scientists employed in a variety of positions in industry discussing their career paths and the skills required for success in each. Following the panel discussion, enjoy casual conversation with the speakers and other scientists from industry at a networking reception.

Interviewing for a Job
SUNDAY, MAY 14, 10:15 AM – 11:15 AM

Speaker:
Derek Haseltine, Director, Career Development Center, Baylor Col. of Med.

This session will focus 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.
Visit the AAI Jobs Board!

A Free Recruiting Service for Registrants and Exhibitors
Only at IMMUNOLOGY 2017™
Post Online and Meet On-site

AAI is offering career services to both job seekers and employers through a Jobs Board free to meeting registrants and exhibitors at www.immunology2017.org/jobs-board.

Job Seekers

Whatever your career stage, use this career service at IMMUNOLOGY 2017™ 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 May 3. Watch for additional On-site Postings in the Exhibit Hall.

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

Employers

Advertise your position on the virtual Jobs Board located on the IMMUNOLOGY 2017™ website. By including a contact email, you will receive inquiries directly.

- **Advance Postings**
  
  Postings will be accepted as of February 15 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 May 3, 2017.

- **On-site Postings**
  
  After May 3, 2017, employers may still advertise a job on the IMMUNOLOGY 2017™ Jobs Board by visiting the AAI Office in the Walter E. Washington Convention Center between 9:00 AM and 5:00 PM. Ads submitted on-site will be posted on the Jobs Board in the Exhibit Hall.

**Save Thousands of Dollars in Recruiting Expenses**

Take advantage of this complimentary hiring opportunity at IMMUNOLOGY 2017™. To register for the meeting, visit www.immunology2017.org/register.
CAREER DEVELOPMENT SESSIONS

Careers in Science Roundtable
Sponsored by the AAI Education Committee and AAI Committee on the Status of Women

SUNDAY, MAY 14, 11:30 AM – 1:00 PM

Chair:
Virginia Shapiro, Mayo Clin.; AAI Committee on the Status of Women Chair

At this 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. Recently added topics offer insights into international opportunities in science. NIH Study Sections, considerations for scientists in M.D.-Ph.D. careers, and a number of ways scientists contribute to the field in non-research careers. Choose from these and 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!

Registration Fee: $25 (Lunch included.)

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 promotion
- Negotiating an academic position
- Undergraduate institutions: finding the balance in teaching, doing research
- Mentoring effectively

Networking Skills
- How to build a network for postdocs
- Networking skills for PIs

Career and Family: balancing parenthood and career; the dual career couple

Careers in Biotech and Industry: moving from academia to industry and vice versa

Careers at Governmental Agencies

NIH Grant Section Insights
- Grant writing for fellowships/transition awards
- Grant writing for PIs

The Physician Scientist: balancing clinical and research duties

Research from the M.D., Ph.D. Perspective

Non-Research Careers for Scientists: careers enabling scientists to advance the field away from the bench
- Scientific publishing
- Opportunities for scientists in foundations/non-profits
- Careers in technology transfer
- Careers in science policy

International Opportunities in Science

For a complete list of table leaders please see page XII.

Secrets for a Successful Postdoctoral Fellowship

MONDAY, MAY 15, 1:30 PM – 2:30 PM

Speaker:
Lori Conlan, Director, Office of Postdoctoral Services, NIH

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.

Registration Fee: $25 (Lunch included.)

Discussion topics:

NIH program and review staff will be available in the NIH Grant Review and Funding Information Room for individual conversations and consultations. A schedule will be posted online and on site to show specific times staff members will be available to answer questions about the scientific review process, grant/fellowship opportunities, and NIH institutespecific interests. Consultations will be available on a drop-in basis. No appointments are necessary.

Rooms 304-306
POSTER SESSIONS AND BLOCK SYMPOSIA

Abstracts of unpublished, original research are presented during Poster Sessions and Block Symposia (oral presentations of poster data). This is perhaps the most dynamic aspect of IMMUNOLOGY 2017™. Take part in face-to-face discussions with abstract authors and learn about their most recent, unpublished research. Poster Sessions will be held daily (unopposed by any other sessions) in the Exhibit Hall from 2:30 PM – 3:45 PM.

VISIT THE AAI BOOTH (401) TO LEARN ABOUT AN EXCITING NEW AAI CAREER DEVELOPMENT RESOURCE

The Career Advisory Board (CAB)

The Career Advisory Board (CAB) is a referral service that matches senior postdocs (start of fourth year and beyond) or early-career PIs with an established scientist who can provide the confidential advice needed to move a career forward.

CAB is sponsored by the Committee on the Status of Women and is open to all senior postdoc and early-career PI members of AAI.

EXHIBIT HALL PASSPORT PROGRAM

FILL OUT YOUR EXHIBIT HALL PASSPORT FOR A CHANCE TO WIN ONE OF THREE $250 AMERICAN EXPRESS GIFT CARDS!

Entries must be received by Monday, May 15, at 2:00 PM. The drawing will be held during the Poster Presentations on Monday, May 15, 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 (401).

EXHIBITOR WORKSHOPS

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

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

NOW OPEN FOR SUBMISSIONS!

www.immunohorizons.org

ImmunoHorizons

Editors-in-Chief

Leslie J. Berg
University of Massachusetts Medical School

and

Michael S. Krangel
Duke University Medical Center

ImmunoHorizons is a fully peer-reviewed journal committed to advancing the knowledge of immunology. All decisions are made by editors who are practicing scientists.

Questions? Email infoih@aai.org
SOCIAL EVENTS

New Member Reception (By Invitation Only)
Sponsored by the AAI Membership Committee
FRIDAY, MAY 12, 4:00 PM – 4:45 PM
(Badge and Invitation Required)

AAI welcomes new Regular, Associate, and Postdoctoral Fellow members to meet each other at a relaxed gathering. Members of the AAI Membership Committee, AAI President Arlene Sharpe, and fellow Council members will join the new members for casual conversation and light refreshments.

Opening Night Welcome Reception
FRIDAY, MAY 12, 6:00 PM – 8:00 PM
WALTER E. WASHINGTON CONVENTION CENTER – BALLROOM FOYER – 3RD FLOOR

Following the President’s Address, exit the Ballroom for the Opening Night Welcome Reception. Connect with friends, make new acquaintances, plan your week of science, and enjoy the views of D.C. Bring the complimentary drink ticket included with your meeting badge. Registered attendees only.

The Journal of Immunology (The JI) Editorial Board Dinner and Meeting (By Invitation Only)
Generously sponsored by Sheridan Journal Services
SATURDAY, MAY 13, 7:00 PM – 10:00 PM

Editorial Board members meet to discuss items of interest and concern regarding The JI specifically, and scientific publishing in general.

Service Appreciation Reception (By Invitation Only)
Generously sponsored by BioLegend
SUNDAY, MAY 14, 7:30 PM – 9:30 PM
(Badge and Invitation Required)

AAI honors its dedicated member volunteers—committee members, editors, abstract programming chairs, and others—who have worked on the membership’s behalf throughout the year (2016-2017) by giving generously of their time in support of the AAI mission. By invitation only.

IMMUNOLOGY 2017™ Gala
Generously sponsored by BioLegend
MONDAY, MAY 15, 7:00 PM – 9:30 PM
NEWSEUM
555 PENNSYLVANIA AVE., NW
WASHINGTON, D.C. 20001

Located between the U.S. Capitol and the White House on Pennsylvania Avenue, the Newseum is a world-renowned interactive museum of news, journalism, and free speech. Mingle with colleagues, explore exhibits (including the front pages of 80 international newspapers printed that very day), step out onto one of two terraces for panoramic views of Pennsylvania Avenue, or dance to the tunes of a DJ. Appetizers will be served, and two drink tickets will be attached to your meeting badge. The Newseum is less than a mile from the Walter E. Washington Convention Center and most hotels in the meeting room block. Complimentary shuttle service will be provided throughout the event between the Newseum and the Walter E. Washington Convention Center.

Open to all IMMUNOLOGY 2017™ registered attendees and their paid guests. Come as you are, directly from the Center. Meeting badge required.

GUEST SOCIETIES

AAI welcomes the following Guest Societies presenting symposia in their respective areas at IMMUNOLOGY 2017™

- American Association of Veterinary Immunologists (AAVI)
- American Society for Reproductive Immunology (ASRI)
- American Society of Gene and Cell Therapy (ASGCT)
- American Society of Transplantation (AST)
- Canadian Society for Immunology (CSI)
- Chinese Society of Immunology (CSI)
- Chinese Society of Immunology, Taiwan (CSIT)
- German Society for Immunology (DGfI)
- International Complement Society (ICS)
- International Cytokine and Interferon Society (ICIS)
- International Society for Advancement of Cytometry (ISAC)
- International Society of Neuroimmunology (ISNI)
- Japanese Society for Immunology (JSI)
- Korean Association of Immunologists (KAI) and Association of Korean Immunologists in America (AKIA)
- Society for Glycobiology (SIG)
- Society for Immunotherapy of Cancer (SITC)
- Society for Leukocyte Biology (SLB)
- Society for Mucosal Immunology (SMI)
- Society for Natural Immunity (SNI)
THE AMERICAN ASSOCIATION OF IMMUNOLOGISTS

GRATEFULLY ACKNOWLEDGES THE GENEROUS PLATINUM SPONSORSHIP OF

for the

IMMUNOLOGY 2017™ GALA
MONDAY, MAY 15, 2017 • 7:00 PM – 9:30 PM

Service Appreciation Reception

Lefrançois-BioLegend Memorial Award

AAI-BioLegend Herzenberg Award and Lecture

Meeting Lanyards
2016–2017 AAI PROGRAM COMMITTEE

AAI gratefully acknowledges the efforts of the Program Committee for IMMUNOLOGY 2017™.

Wendy L. Havran, Chair
The Scripps Research Institute

José R. Conejo-Garcia
Moffitt Cancer Center

Dorian B. McGavern
NINDS, NIH

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Weill Cornell Medical College of Cornell University

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University of Chicago

AAI ABSTRACT PROGRAMMING CHAIRS

AAI gratefully acknowledges the efforts of the Abstract Programming Chairs for IMMUNOLOGY 2017™.

Antigen Processing and Presentation
Robert J. Binder
University of Pittsburgh

Jose Guillermo
Northwestern University

Immediate Hypersensitivity, Asthma, and Allergic Responses
Paul J. Bryce
Northwestern University

Gregory M. Barton
University of California, Berkeley

Mitchell H. Grayson
Feinberg School of Medicine

Katherine A. Fitzgerald
University of Massachusetts Medical School

Laura Santambrogio
Albert Einstein College of Medicine

Lymphocyte Differentiation and Peripheral Maintenance
Clara Abraham
Yale University

Nicole Baumgarth
University of California, Davis

Jane H. Buckner
Benaroya Research Institute

Ross M. Kedl
University of Colorado Denver

Chandra Mohan
University of Houston

Microbial, Parasitic, and Fungal Immunology
Minsoo Kim
University of Rochester

George S. Deepe
University of Cincinnati College of Medicine

S. Celeste Morley
Washington University School of Medicine

Joanne Turner
Ohio State University

Cellular Adhesion, Migration, and Inflammation
Laukku Lapid
Lankenau Institute for Medical Research

Thirumala-Devi Kanneganti
St. Jude Children’s Research Hospital

Microbial, Fungal, and Parasitic Immunology
Mandy J. McGeachy
University of Pittsburgh

Dana J. Philpott
University of Toronto

Recent Advances in Immunology
Betty E. Healy
University of Alabama at Birmingham

Immune Response Regulation: Cellular Mechanisms
Rachel Ettinger
MedImmune

Lawrence Stern
University of Southern California

Thomas C. Mitchell
University of Louisville School of Medicine

Technological Innovations in Immunology
Thirumala-Devi Kanneganti
St. Jude Children’s Research Hospital

Joanne Turner
Ohio State University

Josef Alberola-Ila
Oklahoma Medical Research Foundation

Dana J. Philpott
University of Toronto

Michael A. Farrar
University of Minnesota

Medical University of South Carolina

Therapeutic Approaches to Autoimmunity
Olaf Stiive
University of Texas Southwestern Medical Center

Meagan K. Levings
University of British Columbia

Shih-Lung Wu
University of Washington

Tumor Immunology
Chyrstal M. Paulos
Medical University of South Carolina

Weiping Zou
University of Michigan

Kohtaro Fujihashi
University of Alabama at Birmingham

Vaccines and Immunotherapy
Sandras Demaria
Weill Cornell Medical College

Derek O. Smith
North Carolina State University

Viral Immunology
Julia L. Hurwitz
St. Jude Children's Research Hospital

Steven M. Varga
University of Iowa
Important Dates for Two AAI Awards Programs

**AAI Programs to Benefit Your Lab’s Current or Future Research**

**AAI Careers in Immunology Fellowship**

**KEY DATES**
- APPLICATIONS OPEN: JANUARY 15
- APPLICATIONS CLOSE: MARCH 16

These fellowships provide AAI member PIs with one year of salary support for a graduate student or postdoctoral fellow in their labs. Member PIs in good standing with less than $250,000 (excluding PI’s salary) in annual direct costs are eligible to apply.

Selection is based on the potential of the trainee, merit of the project, quality of the training environment, and financial need.

Direct inquiries to fellowships@aai.org.

**AAI Travel for Techniques Award Program**

**AWARDS CYCLE**
- WINTER: DECEMBER 15
- SPRING: APRIL 15
- FALL: AUGUST 15

**APPLICATIONS OPEN**
- WINTER: DECEMBER 15
- SPRING: APRIL 15
- FALL: AUGUST 15

**APPLICATIONS CLOSE**
- WINTER: FEBRUARY 15
- SPRING: JUNE 15
- FALL: OCTOBER 15

The Travel for Techniques Award is given to member PIs, reimbursing up to $1,500 in expenses for travel to learn a new technique. Member PIs in good standing with less than $250,000 (excluding PI’s salary) in annual direct costs are eligible to apply.

Direct inquiries to awards@aai.org.

These two exciting awards programs were launched by the American Association of Immunologists in 2014, adding significantly to its already robust support for scientists through fellowships, career awards, and travel grants. For more information, visit www.aai.org/awards.
Meet the Editors-in-Chief of the AAI journals!

Visit the AAI booth, Booth 401, in the Exhibit Hall

• A trusted resource for immunologists since 1916, *The Journal of Immunology (The JI)* is the most cited journal in the field of immunology. Fully peer-reviewed articles on major advances in all areas of basic and clinical immunology are rapidly published in *The JI* and broadly cited.

• New for 2017, AAI now offers an open access journal. *ImmunoHorizons (IH)* is a fully peer-reviewed journal committed to advancing the knowledge of immunology.

Come meet the Editors-in-Chief at the AAI Booth (Booth 401) during the weekend:

**Saturday, May 13, 2017**
2:30 PM – 3:45 PM

Leslie J. Berg  
Co-Editor-in-Chief, *ImmunoHorizons*  

Pamela J. Fink  
Editor-in-Chief, *The Journal of Immunology*

**Sunday, May 14, 2017**
2:30 PM – 3:45 PM

Pamela J. Fink  
Editor-in-Chief, *The Journal of Immunology*

Michael S. Krangel  
Co-Editor-in-Chief, *ImmunoHorizons*

Stop by to learn more about both the largest and oldest journal in the field, as well as one of the newest!

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