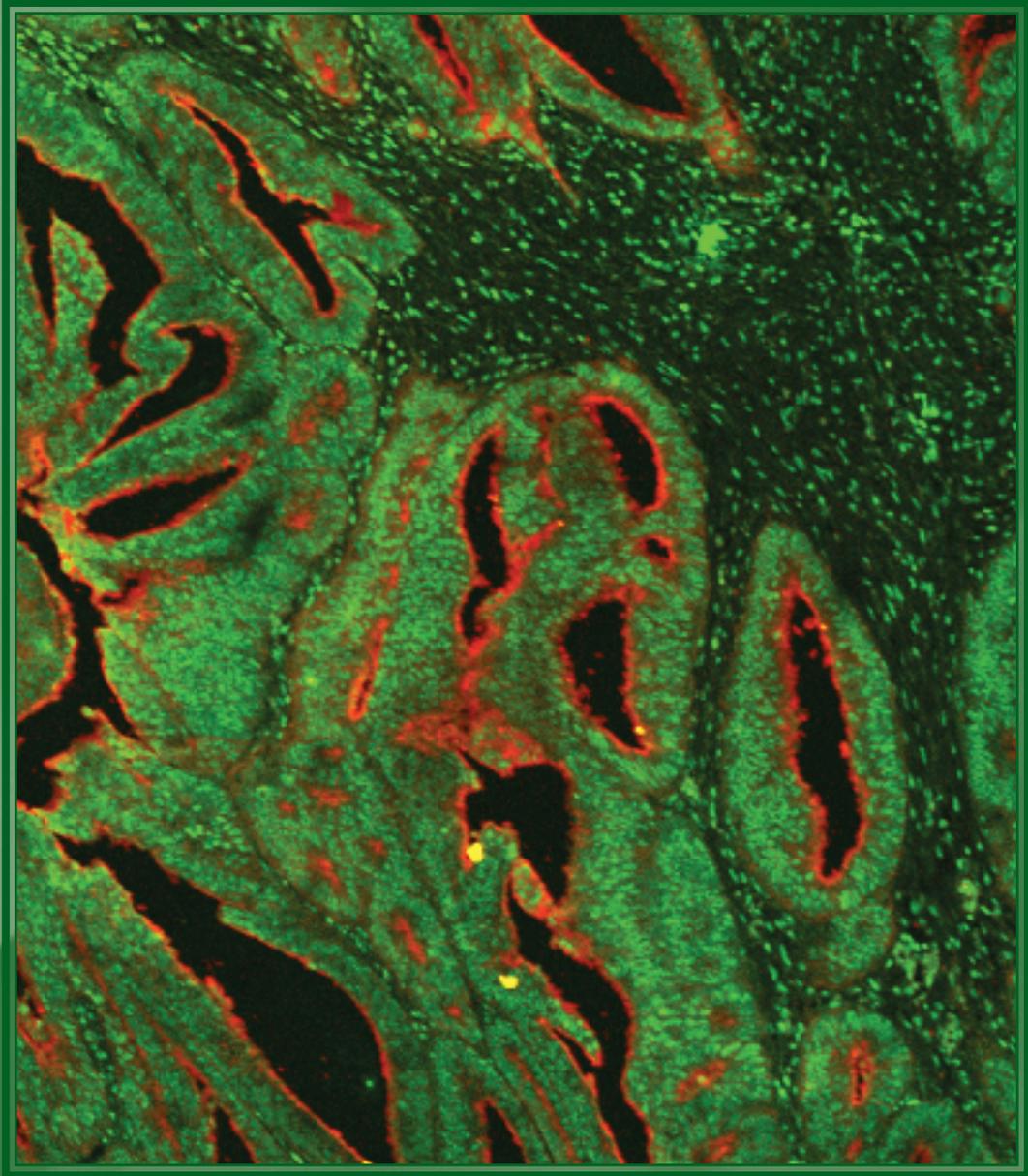


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IMMUNOLOGY

THE JOURNAL OF



95TH AAI ANNUAL MEETING
PROGRAM ISSUE



The 95th Annual Meeting of **The American Association of Immunologists**

**April 5–9, 2008
San Diego Convention Center
San Diego, California**

For AAI program updates visit
www.aai.org/2008Meeting/Program.htm

For complete meeting information visit
www.eb2008.org

Online Registration

www.eb2008.org/registration.htm

Career Services

www.faseb.org/careers/eb2008/

Hotel Reservations

www.eb2008.org/HotelInformation.htm

International Attendees

www.eb2008.org/VisalInformation.htm

**Experimental
Biology**

Held in
conjunction with
**Experimental
Biology 2008**

2008

95th AAI Annual Meeting

Saturday, April 5–Wednesday, April 9, 2008 • San Diego Convention Center, San Diego, California

The 95th Annual Meeting of the American Association of Immunologists (AAI) features the latest in immunological discovery presented in sessions ranging from major scientific lectures by the field's leading scientists to debut abstract talks and poster presentations by its talented trainees.

Join thousands of immunologists from around the world to hear the most cutting-edge science—in Plenary Sessions, Award Lectures, and Symposia. Attend Career and Mentoring Workshops. Visit hundreds of Exhibits and Exhibitor Seminars to learn about the latest in industry innovation.

Experience the field's finest and most exciting scientific and social gathering of the year! Don't miss out!

President's Program

All sessions will be presented in the San Diego Convention Center.

Presidential Address

SATURDAY, APRIL 5: 5:00 PM ROOM 20 B/C/D

Olivera (Olja) J. Finn, University of Pittsburgh School of Medicine, AAI President



Immunologic weapons acquired early in life win battles with cancer late in life

2008 AAI Lifetime Achievement Award



TUESDAY, APRIL 8: 2:30 PM ROOM 20 B/C/D

Presenter: Olivera J. (Olja) Finn, Ph.D., AAI President

Awardee: Robert R. Rich, M.D., University of Alabama at Birmingham School of Medicine

Presidential Symposium

Generously supported by eBioscience, Inc.

Taking Care of Immunology around the World

Tuesday, April 8: 2:30 PM • ROOM 20 B/C/D

Chair: Olivera (Olja) J. Finn, University of Pittsburgh School of Medicine, AAI President

Speakers

Xuetao Cao, Second Military Medical University Shanghai, President, Chinese Society of Immunology, **Stromal microenvironment, regulatory dendritic cells, and regulation of immune response**

Cornelis J. M. Melief, Leiden University Medical Center, President, Dutch Society for Immunology, **Immunotherapy of established lesions induced by high risk Papilloma virus**

Ljiljana Sofronic-Milosavljevic, Institute for the Application of Nuclear Energy (INEP), Belgrade, President, Immunological Society of Serbia, **Taming of autoimmunity — Trichinella, worm under host-parasite contract**

Adrian C. Hayday, Guy's Hospital, General Secretary, British Society for Immunology, **Immunosurveillance: molecular conversations between epithelial cells and the immune system**

Hermann J. Ziltener, The Biomedical Research Center, University of British Columbia, President, Canadian Society for Immunology, **New roles for an old acquaintance: function of PSGL-1 in thymic homeostasis and a novel mechanism of naïve T cell homing**



Cao



Melief



Sofronic-Milosavljevic



Hayday



Ziltener

AAI Distinguished Lectures

Chair: John G. Monroe, AAI Program Chair, Genentech, Inc.

Blimp-1 and the regulation of lymphocyte function

SUNDAY, APRIL 6: 5:00 PM ROOM 20 B/C/D

Kathryn Calame, Columbia University



On the trail of epitope-specific naive helper T cells in normal individuals

MONDAY, APRIL 7: 5:00 PM ROOM 20 B/C/D

Marc K. Jenkins, University of Minnesota Medical School



Gene regulatory networks orchestrating cell fates in the immune system

TUESDAY, APRIL 8: 5:00 PM ROOM 20 B/C/D

Harinder Singh, HHMI, University of Chicago



MAJOR SYMPOSIA

All sessions will be presented in the San Diego Convention Center.

SUNDAY, APRIL 6, 2008 • 8:00 AM

Major Symposium A: Genetics of Autoimmunity

ROOM 20 B/C

Chairs: **Betty A. Diamond**, Feinstein Institute for Medical Research; **Linda S. Wicker**, Cambridge Institute for Medical Research

Speakers

Ann B. Begovich, Celera Diagnostics, *Unraveling the genetics of complex diseases: identification of non-MHC susceptibility genes in human autoimmunity*

Peter K. Gregersen, North Shore University Hospital, *Rheumatoid arthritis in the genomic era: cracking the code for clues to autoimmune pathogenesis*

Gerald T. Nepom, Benaroya Research Institute, *Probing for disease susceptibility*

Linda S. Wicker, Cambridge Institute for Medical Research, *The IL-2/CD25 pathway determines susceptibility to type 1 diabetes in humans and NOD mice*

William M. Ridgway, University of Pittsburgh, *Genetic control of autoimmune liver disease in NOD congenic mice*

Betty A. Diamond, Feinstein Institute for Medical Research, *BCR signaling strength determines predisposition to autoantibody production*

Major Symposium B: Microenvironmental Influence on Immune Function

ROOM 20D

Chairs: **Gwendalyn J. Randolph**, Mt. Sinai School of Medicine; **Jason G. Cyster**, University of California, San Francisco

Speakers

Peter J. Lane, University of Birmingham, *Adult lymphoid tissue inducers in CD4⁺ T cell responses*

Jonathan W. Yewdell, NIAID, NIH, *Getting real: intravital imaging of antiviral CD8⁺ T cell priming and effector function*

Shannon J. Turley, Dana Farber Cancer Institute, Harvard Medical School, *Antigen presentation by lymph node stromal cells and dendritic cells*

Gwendalyn J. Randolph, Mt. Sinai School of Medicine, *Dendritic cell migration: a glimpse from just outside the lymph node*

Ellen A. Robey, University of California, Berkeley, *Imaging host-pathogen interactions in a Toxoplasma gondii infection model*

Jason G. Cyster, University of California, San Francisco, *Requirements for lymphocyte egress from lymphoid organs*

MONDAY, APRIL 7, 2008 • 8:00 AM

Major Symposium C: TNF Family Members in Inflammation, Autoimmunity, and Cancer

ROOM 20D

Chairs: **Michael Croft**, La Jolla Institute for Allergy and Immunology; **Tania H. Watts**, University of Toronto

Speakers

Tania H. Watts, University of Toronto, *4-1BBL in CD8⁺ T cell memory*

Michael Croft, La Jolla Institute for Allergy and Immunology, *OX40 and the decision between tolerance and immunity*

Richard M. Siegel, NIAMS, NIH, *TL1A/DR3 interactions in inflammation and autoimmunity*

Carlo Riccardi, University of Perugia, *GITR/GITRL system in the regulation of the immune/inflammatory response*

Carl F. Ware, La Jolla Institute for Allergy and Immunology, *The LIGHT and DARC sides of a TNF receptor*

Iqbal S. Grewal, Seattle Genetics, Inc., *Therapeutic antibodies targeting CD70 for cancers and autoimmunity*

Major Symposium D: Organ-Specific Regulation of Innate Immunity

ROOM 20 B/C

Chairs: **Eyal Raz**, University of California, San Diego; **Robert L. Modlin**, University of California, Los Angeles

Speakers

Eyal Raz, University of California, San Diego, *Introduction*

Bali Pulendran, Emory University, *Differences between gut and splenic macrophages*

Robert L. Modlin, University of California, Los Angeles, *A TLR-induced vitamin D-dependent antimicrobial mechanism in microbial infection in skin and the lung*

Dean Sheppard, University of California, San Francisco, *Organ-specific regulation of Th-17 and Treg induction through TGF- β activation by dendritic cells*

Andrea M. Cooper, Trudeau Institute, *The protective vs. the pathogenic role of the innate cytokine IL-23 in the lung*

Jongdae Lee, University of California, San Diego, *The uniqueness of TLR signaling in colonic epithelial cells*

Bruce A. Beutler, The Scripps Research Institute, *Organ-specific innate immunity as dissected by ENU mutagenesis*

TUESDAY, APRIL 8, 2008 • 8:00 AM

Major Symposium E: Managing B Cell Lifespan and Lifestyle with BAFF Family Interactions

ROOM 20 B/C

Chairs: **Michael P. Cancro**, University of Pennsylvania School of Medicine; **Fabienne Mackay**, Garvan Institute of Medical Research

Speakers

Michael P. Cancro, University of Pennsylvania School of Medicine, *BLyS family interactions in primary and memory B cells*

Fabienne Mackay, Garvan Institute of Medical Research, *The role of BAFF in autoimmunity is T cell-independent but requires MyD88 signaling*

Andrea Cerutti, Weill Medical College of Cornell University, *BAFF and APRIL: key innate regulators of immunoglobulin heavy chain class switching*

Jennifer Anolik, University of Rochester Medical Center, *Determinants of B cell reconstitution after B cell depletion therapy in human autoimmune disease*

Jane A. Gross, Zymogenetics, Inc., *B cell-targeting therapies for autoimmune diseases: are they all the same?*

Richard J. Bram, Mayo Clinic, *TACI: Signaling and function in the immune system*

Major Symposium F: Regulation of Immune Responses to Pathogens

ROOM 20D

Chairs: **Yasmine Belkaid**, NIAID, NIH; **E. John Wherry**, The Wistar Institute

Speakers

E. John Wherry, The Wistar Institute, *Negative regulation of T cell responses to viruses*

Yasmine Belkaid, NIAID, NIH, *Regulatory T cells during parasitic infections*

JoAnne L. Flynn, University of Pittsburgh School of Medicine, *Regulation of immune responses in tuberculosis*

Kevin B. Urdahl, University of Washington, *Foxp3-expressing T regulatory cells in tuberculosis*

Markus Mohrs, Trudeau Institute, *Tracking cytokine responses to infection*

Christian Munz, Rockefeller University, *Innate and adaptive immunity through autophagy*

WEDNESDAY, APRIL 9, 2008 • 8:00 AM

Major Symposium G: Control of Effector and Memory T Cell Fate

ROOM 20D

Chairs: **Donna L. Farber**, University of Maryland at Baltimore; **Steven L. Reiner**, Abramson Cancer Institute, University of Pennsylvania

Speakers

Donna L. Farber, University of Maryland at Baltimore, *Biochemical signals for memory T cell generation and recall*

Steven L. Reiner, Abramson Cancer Institute, University of Pennsylvania, *Shaping the fate of T cells in response to infection*

Eric G. Pamer, Memorial Sloan-Kettering Cancer Center, *Trafficking and differentiation of CD4⁺ T cells during respiratory infections*

Richard M. Locksley, University of California, San Francisco, *Initiating type-2 immunity*

Ananda W. Goldrath, University of California, San Diego, *Making CD8 memory*

Robert A. Seder, Vaccine Research Center, NIAID, NIH, *The quality of T cell responses determines protection*

Major Symposium H: Can Basic Advances in Immunology Generate Effective Cancer Therapies?

ROOM 20 B/C

Chairs: **Robert D. Schreiber**, Washington University School of Medicine; **Carl H. June**, University of Pennsylvania

Speakers

Robert D. Schreiber, Washington University School of Medicine, *Cancer immunotherapy: basic mechanisms and clinical outcomes*

Glenn Dranoff, Dana Farber Cancer Institute, Harvard Medical School, *The interplay of tumor immunity and inflammation*

Phillip D. Greenberg, University of Washington, *Generating and maintaining function of T cells with high avidity for tumor antigens*

Carl H. June, University of Pennsylvania, *Adoptive transfer of lentiviral engineered T cells for cancer immunogene therapy*

James P. Allison, Memorial Sloan-Kettering Cancer Center, *Immune responses to early vs. late stages of cancer*

Cornelia Trimble, Johns Hopkins Medical Institutions, *Targeting adaptive immune responses for HPV disease*

NIH INSTITUTE SPONSORED SYMPOSIA

AAI AWARDS

The AAI award programs honor members across the spectrum of their careers. AAI awards are presented throughout the meeting in special sessions. For complete AAI Awards information please visit www.aai.org/Awards/

AAI Awards being presented at Experimental Biology 2008:

- AAI Lifetime Achievement Award
- AAI Distinguished Service Award
- AAI Excellence in Mentoring Award
- AAI-Invitrogen Meritorious Career Award
- AAI-BD Biosciences Investigator Award
- AAI-Dana Foundation Award in Human Immunology Research
- Pfizer-Showell Travel Award
- AAI-Invitrogen Trainee Achievement Awards
- AAI Junior Faculty Travel Grants
- AAI Minority Scientist Travel Awards
- Cynthia Chambers Memorial-eBioscience Junior Faculty Award
- **NEW for 2008!** AAI Trainee Abstract Awards

AAI AWARD PRESENTATIONS & LECTURES

AAI-Dana Foundation Award in Human Immunology Research

Generously supported by the Dana Foundation

SUNDAY, APRIL 6: 3:15 PM
ROOM 20 B/C/D

Chair: **Olivera (Olja) J. Finn**, University of Pittsburgh School of Medicine, AAI President

Award Recipient: **James P. Allison**, HHMI, Memorial Sloan-Kettering Cancer Center, *Immune checkpoint blockade in cancer therapy*

AAI-BD Biosciences Investigator Award & Lecture

Generously supported by BD Biosciences

MONDAY, APRIL 7: 2:30 PM
ROOM 20 B/C/D

Chairs: **Olivera (Olja) J. Finn**, University of Pittsburgh School of Medicine, AAI President;

Robert Balderas, BD Biosciences, VP Research and Development

Award Recipient: **Pamela L. Schwartzberg**, National Human Genome Research Institute, NIH, *Integrating T cell signals: lessons from mouse models and primary immune disorders*

AAI-Invitrogen Meritorious Career Award and Lecture

*Generously supported by
Invitrogen Corporation*

MONDAY, APRIL 7: 3:30 PM
ROOM 20 B/C/D

Chairs: **Olivera (Olja) J. Finn**, University of Pittsburgh School of Medicine, AAI President

J.L. "Kip" Miller, Invitrogen Corporation, Senior VP, BioDiscovery

Award Recipient: **Richard A. Flavell**, HHMI, Yale University School of Medicine, *Regulation of the immune response by cells and cytokines*

All sessions will be presented in the San Diego Convention Center.

National Cancer Institute (NCI)

National Cancer Institute (NCI): Toll-Like Receptor Function in the Cancer Microenvironment

SUNDAY, APRIL 6: 8:00 AM • ROOM 33 A/B

Chairs: **T. Kevin Howcroft**, Division of Cancer Biology and Cancer Immunology, NCI, NIH; **Rongfu Wang**, Baylor College of Medicine

Speakers

T. Kevin Howcroft, Division of Cancer Biology and Cancer Immunology, NCI, NIH, *Introduction*

Michael Karin, University of California, San Diego, *IKK-dependent NF- κ B signaling in inflammatory cancer*

Xiaoxia Li, Lerner Research Institute, Cleveland Clinic Foundation, *The Toll-interleukin-1 receptor member SIGIRR regulates colonic epithelial homeostasis, inflammation, and tumorigenesis*

Rongfu Wang, Baylor College of Medicine, *TLR signaling and regulatory T cells in cancer*

Arthur M. Krieg, Coley Pharmaceutical Group, *Clinical development of TLR agonists for cancer therapy*

National Institute of Allergy and Infectious Diseases (NIAID)

AAI-NIAID Contemporary Topics in Immunology

SATURDAY, APRIL 5: 12:00 NOON • ROOM 32

Chairs: **Alison Deckhut Augustine**, NIAID, NIH; **John G. Monroe**, AAI Program Chair, Genentech, Inc.

Speakers

Vijay K. Kuchroo, Harvard Medical School, *Reciprocal relationship between pathogenic Th17 and CD4⁺ CD25⁺ Treg cells*

Richard L. Gallo, University of California, San Diego, *Mechanisms of immunomodulation by cathelicidin antimicrobial peptides*

Katherine A. Fitzgerald, University of Massachusetts Medical School, *Signal integration in innate immunity*

K. Christopher Garcia, Stanford University School of Medicine, *Structural insights into immune recognition*

NIAID Workshop: NIAID Funding Opportunities: Paylines and Special Programs

SUNDAY, APRIL 6: 12:30 PM • ROOM 33 A/B

Chair: **Helen Quill**, Division of Allergy, Immunology, and Transplantation, NIAID, NIH

Presenters

Alison Deckhut Augustine, Division of Allergy, Immunology, and Transplantation, NIAID, NIH

Lynda Chiodetti, Division of Allergy, Immunology, and Transplantation, NIAID, NIH

NIAID Workshop: B Cells, Antibodies, and HIV Vaccines

SUNDAY, APRIL 6: 10:15 AM • ROOM 33 A/B

Chairs: **Helen Quill**, Division of Allergy, Immunology, and Transplantation, NIAID, NIH; **Anthony Conley**, Division of Acquired Immunodeficiency Syndrome, NIAID, NIH

Panelists

Susan W. Barnett, Novartis Vaccines and Diagnostics, Inc.

Gail A. Bishop, University of Iowa

Dennis R. Burton, The Scripps Research Institute

Shane Crotty, La Jolla Institute of Allergy and Immunology

David Nemazee, The Scripps Research Institute

Douglas D. Richman, University of California, San Diego

The purpose of this workshop is to challenge basic immunologists with a fascinating immunological quandary: why don't we generate broadly neutralizing antibodies to HIV-1? What is wrong with the immune system anyway? Audience participation is strongly encouraged and the discussion will be led by a dynamic panel of basic B cell immunologists together with HIV experts to dissect the immunological roadblocks preventing effective induction of broadly neutralizing antibodies by candidate HIV vaccines. The goal is to break with conventional thinking and elicit novel ideas and approaches that harness recent immunological advances to attack this devastating disease. Here is a chance to put your work to work!

National Institute on Aging (NIA)

National Institute on Aging (NIA) Symposium: How Aging Impacts Immunity

TUESDAY, APRIL 8: 8:00 AM • ROOM 31A

Chairs: **Rebecca A. Fuldner**, NIA, NIH; **Phyllis-Jean Linton**, Sidney Kimmel Cancer Center

Speakers

Kenneth A. Dorshkind, UCLA School of Medicine, *Cell and molecular causes of B lineage aging*

Gregory D. Sempowski, Duke Human Vaccine Institute, *Modulation of thymopoiesis across the lifespan*

Phyllis-Jean Linton, Sidney Kimmel Cancer Center, *Alterations in dendritic cells of the aged*

David L. Woodland, Trudeau Institute, *Immunologic memory to respiratory virus infections: the detrimental and beneficial effects of aging*

AAI COMMITTEE SPONSORED EVENTS

All sessions will be presented in the San Diego Convention Center.

AAI Clinical Immunology Committee

Symposium: Human Immunology as Informed by the Use of Targeted Therapeutics

SUNDAY, APRIL 6: 12:30 PM • ROOM 32

Chair: Joel D. Ernst, New York University School of Medicine

Speakers

Michael R. Ehrenstein, University College, London, *Introduction; and Targeting regulatory T cells using anti-TNF in patients with rheumatoid arthritis*

Andrew C. Chan, Genentech, Inc., *B cell immunotherapy: lessons from the clinic*

Terry B. Strom, Harvard Medical School, *Smart T cell targets and the confounding role of inflammation*

Philip M. Murphy, NIAID, NIH, *Targeting CCR5 in HIV/AIDS: a novel paradigm in the treatment of infectious disease*

AAI Education Committee

Skills for the Big Chill: How to Survive and Thrive as a Newly Independent Scientist

SATURDAY, APRIL 5: 2:45 PM • 30E

Chair: Christopher A. Pennell, University of Minnesota-Twin Cities

This workshop is for young investigators who want to be, or have recently become, Principal Investigators. Participants in this workshop will gain tips on how to succeed at the next level in their careers and obtain valuable insights that no one bothers to share.

Speakers

Christopher A. Pennell, University of Minnesota-Twin Cities, *Succeeding as a PI: why you need more than science*

Brian A. Cobb, Case Western Reserve University School of Medicine, *Making the transition: reflections on the first two independent years*

Andrea A. Itano, Amgen, Inc., *From academics to biotech: what changes and what stays the same*

Ross M. Kedl, University of Colorado Health Sciences Center, *From academics to biotech and back again: how to balance academics and business*

John H. Wallace High School Teachers Workshop: Lessons in Immunology

Funded through a grant from NIAID-NIH (R25AI43872)

SUNDAY, APRIL 6: 9:00 AM • ROOM 30E

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

The AAI High School Teachers Program brings the excitement of immunology directly to high school students by sending high school science teachers into the laboratories of established immunologists who mentor them in a "hands-on" summer internship. The teachers develop a science project for the classroom based on their summer experience. The teachers present their experiences and projects in this session.

2007–2008 AAI High School Teachers Program

Participants

Teacher: Laurie E. Asermily, Seneca Falls Central School, Seneca Falls, NY

Mentor: Jennifer Anolik, University of Rochester Medical Center, Rochester, NY

Teacher: Teresa R. Burke, Westford Academy, Westford, MA

Mentor: William Walker Cruikshank, Boston University School of Medicine, Boston, MA

Teacher: Emily K. Faulconer, Lakeland High School, Suffolk City Public Schools, Suffolk, VA

Mentor: Robert Eugene Ratzlaff, Old Dominion University, Norfolk, VA

Teacher: Dawn M. Martell, Wilmington High School, Wilmington, MA

Mentor: William Walker Cruikshank, Boston University School of Medicine, Boston, MA

Teacher: Scott Troy, West High School, Denver Public Schools, Denver, CO

Mentor: Raul M. Torres, University of Colorado Health Science Center, Denver, CO

Teacher: Elizabeth Withum, A.W. Coolidge Middle School, Reading, MA

Mentor: Rachel M. McLoughlin, Brigham & Women's Hospital, Harvard Medical School, Boston, MA

Careers Roundtable

(Co-sponsored with the Committee on the Status of Women)

SUNDAY, APRIL 6: 1:30 PM • SAILS PAVILION

Chair: Christine Milcarek, University of Pittsburgh School of Medicine, Chair, Committee on the Status of Women

Experienced scientists will serve as roundtable discussion leaders on specific career issues and options important to men and women in science today. Attendance is limited to the first 300 registrants (students, postdocs, faculty, and staff). Men are encouraged to participate.

Registration fee of \$10. Coffee and dessert included.

Roundtable topics will include:

GENERAL—Topics related to the environment you work in or want to work in

1. Academic Research
2. Biotech and Industry
3. Governmental Agencies: CDC/FDA/NIH
4. Clinic: Clinical and diagnostic immunology, clinician-scientist
5. Undergraduate Institutions: teaching, doing research part-time

TRANSITIONS—Topics focused on a specific career stage

6. Graduate Student to Post-doc: finding a post doc, interviewing
7. Post-doc to PI: finding a position, interviewing, negotiating, lab start-up
8. New PI: attracting students and post-docs, preparing for tenure
9. Mid-Career: developing administrative and management skills/sabbaticals
10. Changing Careers: moving from academia to industry, or vice versa

SPECIAL—Topics for unique situations

11. Career and Family: time management/family leave/professional couples
12. Integrity and Ethics: dealing with controversy, discrimination in the workplace
13. Alternative Careers: science journalism, patent Law
14. Politics of Science

Research at Undergraduate Institutions: A Balancing Act

MONDAY, APRIL 7: 12:30 PM • ROOM 31A

Chairs: Laurel A. Eckhardt, Hunter College, CUNY; Richard A. Goldsby, Amherst College

This workshop will address the challenges of holding a faculty position at an undergraduate institution. Such institutions range from the small, liberal arts college that may not grant degrees beyond the B.A., to large research universities with graduate programs granting Ph.D.'s in science. The challenges of integrating research with teaching will be discussed, as will differences in salary and support for faculty in a college department versus faculty at research institutions or medical schools.

Speakers

Richard A. Goldsby, Amherst College, *Opportunities for research and teaching on the undergraduate side of the street*

Sharon A. Stranford, Mount Holyoke College, *Landing your dream job: how to get a faculty position at an undergraduate institution*

Laurel A. Eckhardt, Hunter College, *Funding your research at an undergraduate institution: opportunities and challenges*

Roundtable discussion with Q&A, Integrating research and teaching

Refresher Course: Biology of the Lymph Node—Four Perspectives

Co-sponsored by The American Association of Immunologists (AAI), the American Association of Anatomists (AAI), and the American Society of Investigative Pathology (ASIP)

Chairs: David Bolender, Medical College of Wisconsin; Doug Paulsen, Morehouse School of Medicine

TUESDAY, APRIL 6: 10:30 AM–12:30 PM • ROOM 8

Lymph nodes serve as crossroads of body fluid flow as well as checkpoints for alerting the body to invasions. Moreover, they serve as organizing centers for responses when such invasions occur. They also represent important examples of how organ distribution and structure

AAI COMMITTEE SPONSORED EVENTS

All sessions will be presented in the San Diego Convention Center.

provide a basis for understanding normal and pathological function. By combining speakers on basic lymph node structure and function with those on issues regarding their importance in clinical medicine, we hope to promote an integrated understanding of the significance of these organs in immune function and health.

Speakers

David Bolender, Medical College of Wisconsin, and **Doug Paulsen**, Morehouse School of Medicine, *Overview of the lymphatic system/cell & tissue biology of the lymph node*

Linda M. Bradley, University of California, San Diego School of Medicine, *Immunology of the lymph node*

Noel Weidner, University of California, San Diego School of Medicine, *Pathology of the lymph node*

William Read, University of California, San Diego School of Medicine, *Lymph nodes and cancer treatment*

AAI Minority Affairs Committee

The 2008 Minority Affairs Committee activities are funded by a grant from the National Institute of General Medical Sciences, National Institutes of Health, to FASEB. [FASEB MARC Program: T36-GMO8059-25].

AAI Minority Scientist Travel Awards Program

The Minority Affairs Committee supports the participation of under-represented minority scientists at the AAI Annual Meeting through committee activities and AAI Minority Scientist Travel Awards. For more information on 2008 Award recipients, visit www.aai.org/Awards.

Networking Roundtable and Breakfast

MONDAY, APRIL 7: 8:30 AM • SAILS PAVILION

Chair: Randy R. Brutkiewicz, Indiana University, Chair, AAI Minority Affairs Committee

Meet senior minority immunologists who have gone through what you are going through now for a one-on-one discussion of career challenges. Discuss life in a relaxed setting over coffee and continental breakfast.



AAI Minority Affairs Committee Guest Lecture

MONDAY, APRIL 7: 10:15 AM • ROOM 30E

Chair: Randy R. Brutkiewicz, Indiana University, Chair, AAI Minority Affairs Committee

Guest Speaker: Juan J. Lafaille, New York University School of Medicine, *Antigen-induced Foxp3⁺ regulatory T cells*

AAI Publications Committee

Mini Course: Communication: The Science of Scientific Writing*

SATURDAY, APRIL 5: 12:00 NOON-4:00 PM • ROOM 31A

*Registration required.

Instructor: Judith A. Swan, Assistant Director for Scientific and Technical Writing, Princeton Writing Program, Princeton University

Improve the quality of your publications and grant applications! This half-day workshop will focus on the perspective of scientific writing that matters most—that of the reader. Attendees will learn strategies for communicating clearly and gain new perspectives on excellent writing through examples and interactive class participation. Appropriate for scientists at all levels. **Registration and \$100 fee required.**

The Publication Process: Advice and Admonitions

SUNDAY, APRIL 6: 12:30 PM • ROOM 30E

Chair: Judy M. Teale, University of Texas, San Antonio

Speakers

Arthur Weiss, HHMI, University of California, San Francisco, *Preparing a manuscript for publication: there really is an instruction manual*

Michael Rossner, The Rockefeller University Press, *What's in a picture? The temptation of data manipulation*

Jeremy M. Boss, Emory University School of Medicine, *To accept, revise or reject: that is the question*

AAI Committee on Public Affairs

Peer Review at NIH: Making Sure the System Works (Joint EB 2008 Public Affairs Session)

SUNDAY, APRIL 6: 11:30 AM • 16A

Chair: Olivera (Olja) J. Finn, University of Pittsburgh School of Medicine, AAI President

In June 2007, the NIH began a months-long examination of its current peer review system, with the stated goal "of optimizing its efficiency and effectiveness, and to ensure that the NIH will be able to continue to meet the needs of the research community and public-at-large" (see <http://enhancing-peer-review.nih.gov/>). After consulting with the research community and other relevant stakeholders, the NIH has proposed (and in some cases, has already implemented) changes—big and small—that will have an effect on **every** NIH grant applicant, on **every** scientist who serves on a NIH study section, and on the future of biomedical research funding in the United States. Come hear about these changes—and share your views and concerns—with these leaders of the NIH effort, who serve as co-chairs of the Advisory Committee to the NIH Director (ACD) Working Group on Peer Review.

Speakers

Lawrence A. Tabak, National Institute of Dental and Craniofacial Research, NIH; Co-Chair, Advisory Committee to the NIH Director Working Group on Peer Review

Keith R. Yamamoto, University of California, San Francisco School of Medicine; Co-Chair, Advisory Committee to the NIH Director Working Group on Peer Review

AAI Committee on the Status of Women

Careers Roundtable

Co-sponsored with the AAI Education Committee

SUNDAY, APRIL 6: 1:30 PM • SAILS PAVILION

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For the list of **Careers Roundtable** topics, please see **AAI Education Committee—Careers Roundtable**, previous page.

Workshop: Navigating Biomedical Research Careers

MONDAY, APRIL 7: 10:15 AM • ROOM 31A

Chair: Jeremy M. Boss, Emory University School of Medicine

Speakers

Kathryn Calame, Columbia University College of Physicians and Surgeons, *A very non-traditional career path*

Laurie A. Dempsey, Nature Publishing Group, *Transiting from the bench to the editor's chair—an odyssey*

Andrew C. Chan, Genentech, Inc., *Discovery AND translation—what does it take?*

AAI Veterinary Immunology Committee

Co-sponsored with the American Association of Veterinary Immunologists (AAVI)

Symposium: Comparative Biology of Dendritic Cells in Viral Infections

MONDAY, APRIL 7: 10:15 AM • ROOM 33 A/B

Chairs: Christopher J. Davies, Washington State University; **William T. Golde**, Plum Island Animal Disease Center

Speakers

Simon M. Barratt-Boyes, University of Pittsburgh, *Dendritic cell dynamics in simian immunodeficiency virus infection of monkeys*

Randy E. Sacco, National Animal Disease Center, *Modulation of neonatal ruminant pulmonary dendritic cells in respiratory syncytial virus infection*

Thomas M. Moran, Mount Sinai School of Medicine, *Kinetics of dendritic cell migration in mouse influenza virus infection*

William T. Golde, Plum Island Animal Disease Center, *Immune function of multiple dendritic cell subsets during FMDV infection in swine*

INVITED GUEST SOCIETY SYMPOSIA

All sessions will be presented in the San Diego Convention Center.

AAI is joined by the following guest societies presenting symposia in special disciplines.

SATURDAY, APRIL 5

American Society of Transplantation (AST): Why Don't We Accept a Transplanted Organ?

2:45PM • ROOM 33 A/B

Chairs: **Robert L. Fairchild**, Cleveland Clinic Foundation; **Sheri M. Krams**, Stanford University School of Medicine

Speakers

Adrian E. Morelli, University of Pittsburgh School of Medicine, *Role of dendritic cells in the initiation of allograft rejection*

Kenneth A. Newell, Emory University, *Activation of donor-reactive T cells in allograft rejection*

Ronald G. Gill, University of Alberta, *T cell effector functions in acute rejection*

Elaine F. Reed, *Antibody-mediated rejection of allografts*

Roslyn B. Mannon, NIDDK, NIH, *Immune mediated development of late transplant graft failure*

Roslyn B. Mannon, NIDDK, NIH, *How the transplant physician views basic science findings for patient care*

Hanne L. Ostergaard, University of Alberta, Edmonton, *Signals leading to cytotoxic T cell-mediated killing*

Michael R. Gold, University of British Columbia, Vancouver, *The Rap1 GTPase regulates B cell morphology, immune synapse formation, and signaling by particulate BCR ligands*

PsychoNeuroImmunology Research Society (PNIRS): Neurotransmitters, Inflammation and Disease

12:30 PM • ROOM 31 B/C

Chair: **Keith W. Kelley**, University of Illinois College of Medicine

Speakers

Keith W. Kelley, University of Illinois College of Medicine, *Overview: Neurotransmitters, inflammation and disease*

Serge Rivest, Laval University, *Role of the innate immune system in brain diseases and repair*

Kevin J. Tracey, Feinstein Institute for Medical Research, *Physiology and anatomy of the cholinergic anti-inflammatory pathway*

Steve W. Cole, UCLA School of Medicine, *Stress and lymph node innervation: impact on HIV/SIV replication*

Doina Ganea, Temple University School of Medicine, *Immunosuppressive neuropeptides: role in peripheral and CNS inflammation*

SUNDAY, APRIL 6

The Society for Natural Immunity (SNI): Regulation of NK Cells and Innate Immunity—A Symposium in Memory of Paul Leibson

8:00 AM • ROOM 32

Chairs: **Eric O. Long**, NIAID, NIH; **Lewis L. Lanier**, University of California, San Francisco

Speakers

Eric O. Long, NIAID, NIH, *Signaling by inhibitory receptors*

Vinay Kumar, University of Chicago, *Regulation of CD244 functions*

Ulrich von Andrian, Harvard Medical School, *Innate immune responses in skin-draining lymph nodes and beyond*

Lewis L. Lanier, University of California, San Francisco, *NK receptors and signaling*

Canadian Society for Immunology (CSI): The Role of Cytoskeleton and Membrane Dynamics in Immune Cell Activation

10:15 AM • ROOM 32

Chair: **Michael R. Gold**, University of British Columbia, Vancouver

Speakers

Sergio L. Grinstein, Hospital for Sick Children, Toronto, *Membrane remodeling alters surface charge and dictates the distribution of signaling molecules during phagocytosis*

Katherine A. Siminovitch, Samuel Lunenfeld Research Institute, Toronto, *Roles of actin regulatory proteins in immune cell migration*

Association of Medical Laboratory Immunologists (AMLI): Prognostic and Diagnostic Markers of Inflammatory Diseases

2:45 PM • ROOM 31A

Chairs: **Ronald J. Harbeck**, National Jewish Medical and Research Center; **Kenneth D. Beaman**, Rosalind Franklin University of Medicine and Science

Speakers

Anne I. Sperling, University of Chicago, *Up-shifting and down-shifting the Th2-mediated inflammatory response*

Kenneth D. Beaman, Rosalind Franklin University of Medicine and Science, *Intracellular cytokine expression as a diagnostic tool for inflammatory diseases*

Evangelos Ntrivalas, Rosalind Franklin University of Medicine and Science, *IL-6 gene polymorphisms as a predictor of the immune response*

Ronald J. Harbeck, National Jewish Medical and Research Center, *Biomarkers in inflammatory lung diseases*



Plan to attend the AAI Opening Gala Reception

Saturday, April 5 • 6:00 PM–7:30 PM
San Diego Convention Center
East/West Mezzanine Terrace

Enjoy drinks, hors d'oeuvres and music on the beautiful San Diego Bay.
Meet up with friends for the start of the year's most exciting meeting!

Sponsorship generously provided by *BioLegend, Inc.*,
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INVITED GUEST SOCIETY SYMPOSIA

All sessions will be presented in the San Diego Convention Center.

International Society of Neuroimmunology (ISNI): Regulatory Influences on CNS Autoimmune Disease

2:45 PM • ROOM 31 B/C

Chairs: **Caroline C. Whitacre**, Ohio State University; **Benjamin M. Segal**, University of Michigan

Speakers

Benjamin M. Segal, University of Michigan, *The role of the innate immune system in active regulation of CNS autoimmunity*

Amy E. Lovett-Racke, Ohio State University, *Silencing T-bet suppresses Th1 and Th17 cell differentiation*

Amit Bar-Or, Montreal Neurological Institute of McGill University, *B cells in multiple sclerosis*

Caroline C. Whitacre, Ohio State University, *Pregnancy: a profound regulator of CNS autoimmune disease*

MONDAY, APRIL 7

American Association of Veterinary Immunologists (AAVI)

Co-sponsored with the AAI Veterinary Immunology Committee

Symposium: Comparative Biology of Dendritic Cells in Viral Infections

10:15 AM • ROOM 33 A/B

Chairs: **Christopher J. Davies**, Washington State University; **William T. Golde**, Plum Island Animal Disease Center

Speakers

Simon M. Barratt-Boyes, University of Pittsburgh, *Dendritic cell dynamics in simian immunodeficiency virus infection of monkeys*

Randy E. Sacco, National Animal Disease Center, *Modulation of neonatal ruminant pulmonary dendritic cells in respiratory syncytial virus infection*

Thomas M. Moran, Mount Sinai School of Medicine, *Kinetics of dendritic cell migration in mouse influenza virus infection*

William T. Golde, Plum Island Animal Disease Center, *Immune function of multiple dendritic cell subsets during FMDV infection in swine*

Chinese Society for Immunology (ChSI): Immunological Research in China

10:15 AM • ROOM 31 B/C

Chairs: **Xuetao Cao**, President, Chinese Society for Immunology, Second Military Medical University Shanghai; **Olivera (Olja) J. Finn**, AAI President, University of Pittsburgh School of Medicine

Speakers

Xuetao Cao, Institute of Immunology, Second Military Medical University Shanghai, *Immunological research in China: the past, current and future*

Zhigang Tian, Institute of Immunology, University of Science and Technology of China, Hefei, *Regulatory innate lymphocytes in autoimmune liver injury*

Wei He, Department of Immunology, Chinese Academy of Medical Sciences, Beijing, *Human gamma/delta T cells: molecular basis in CDR3 for antigenic recognition, new ligands for TCR gamma/delta and regulatory function in immune responses*

Bing Sun, Institute Pasteur of Shanghai, Chinese Academy of Sciences, Shanghai, *Trichosanthin is a novel Th2-type adjuvant for inducing airway inflammation*

Liwei Lu, Department of Pathology, The University of Hong Kong, *B cell maturation and its dysregulation in autoimmunity*

Sociedad Mexicana de Immunología (SMI): Immunology in Mexico

10:15 AM • ROOM 32

Chairs: **Constantino Lopez-Macias**, Medical Research Unit on Immunochemistry; Centro Médico Nacional; **Clara Gorodezky**, Department of Immunology and Immunogenetics, InDRE, SSA

Speakers

José Moreno-Rodriguez, UIM en Enfermedades Autoinmunes, *SOCS1 expression in systemic lupus erythematosus*

Constantino Lopez-Macias, Medical Research Unit on Immunochemistry; Centro Médico Nacional, *A novel adjuvant composed of Papaya Mosaic Virus promotes protection by translating innate response into long-lasting antibody responses*

Clara Gorodezky, Department of Immunology and Immunogenetics, InDRE, SSA, *Epidemiological impact of MHC polymorphism: Mexican natives as an example*

Society for Leukocyte Biology (SLB): Dendritic Cells and Immunoregulation in Infectious Diseases

2:45 PM • ROOM 32

Chair: **Christopher L. Karp**, Cincinnati Children's Hospital Medical Center

Speakers

Julio C. Aliberti, Cincinnati Children's Hospital Medical Center, *Lipoxin-mediated control of innate immunity to infection*

Akiko Iwasaki, Yale University School of Medicine, *Autophagy and antiviral immunity*

Joel D. Ernst, New York University School of Medicine, *Dendritic cells as targets and hosts for M. tuberculosis in vivo*

David L. Sacks, NIAID, NIH, *Influence of infected and apoptotic neutrophils on the immune response to leishmania*

The Society for Mucosal Immunology (SMI): Immune Regulation and Mucosal Homeostasis

2:45 PM • ROOM 31 B/C

Chairs: **Charlotte S. Kaetzel**, University of Kentucky; **Leo Lefrançois**, University of Connecticut Health Center

Speakers

Peter B. Ernst, University of Virginia, *Adenosine: a new player in regulatory T cell biology*

Lynn Puddington, University of Connecticut Health Center, *Maternal instructions during development of immune responsiveness*

Warren Strober, NIAID, NIH, *NOD-like receptors and regulation of intestinal inflammation*

Martin F. Kagnoff, University of California, San Diego, *Role of the epithelium: lessons in communication*

TUESDAY, APRIL 8

International Society of Developmental and Comparative Immunology (ISDCI): Symposium of Comparative Immunology, Celebrating the Careers of Jack Marchalonis and Rene Stet

12:30 PM • ROOM 31 B/C

Chair: **Kenneth Söderhäll**, President, ISDCI, Uppsala University

Speakers

Kenneth Söderhäll, Uppsala University, *The pro-PO system in innate immunity in the invertebrates*

Christopher J. Secombes, University of Aberdeen, *How conserved are Th cytokine loci in vertebrates?*

Valerie S. Hohman, University of San Diego, *Evolution of the J chain*

John E. Butler, University of Iowa Medical School, *Antibody repertoire development in fetal and neonatal piglets*

AAI SPECIAL EVENTS

All sessions will be presented in the San Diego Convention Center.

AAI Opening Reception

SATURDAY, APRIL 15: 6:00 PM–7:30 PM
SAN DIEGO CONVENTION CENTER • EAST/WEST MEZZANINE TERRACE

Sponsorship generously provided by BioLegend, Inc. and Tomy Digital Biology

AAI Business Meeting & Awards Presentation

TUESDAY, APRIL 8: 12:45 PM • ROOM 31A

This session will include the annual report to AAI members on AAI and *The Journal of Immunology* business affairs and will feature the following 2008 AAI awards presentations. Lunch served. No ticket required.

- AAI Distinguished Service Award
- AAI Excellence in Mentoring Award
- AAI-Invitrogen Trainee Achievement Awards
- Cynthia Chambers Memorial-eBioscience Junior Faculty Award
- Pfizer-Showell Travel Award

Career Services

FASEB Career Center Activities at EB 2008 will take place in the San Diego Convention Center, Career Resources Area, Hall E, and will include:

The EB2008/FASEB Virtual Career Fair

The fair will operate March 10–April 9, 2008, and will be available on the Internet at <http://careers.faseb.org>. For more information contact Carol Bieschke at 301-634-7021 or cbieschke@faseb.org.

Onsite Career Services

Onsite career services, including Internet-accessible laptop computers, will be available in the Career Center beginning at 8:00 AM on Saturday, April 5, 2008.

FREE for candidates/job seekers

- Post your resume and candidate qualifications online
- Search employer job listings
- Send/receive electronic messages
- Request interviews with employers

Employers Interested in Posting Employment Opportunities Online and/or at the Meeting

Visit www.faseb.org/careers/eb2008/ or contact Carol Bieschke no later than March 31, 2008 (email: cbieschke@faseb.org, phone: 301-634-7021).

One-on-One Resume Critiques and Career Counseling Services by Resume/CV Experts

Available Saturday, April 5 through Tuesday, April 8. Sign-up for one-on-one appointments beginning Saturday morning, April 5th!

NIH Grants Seminars Series (NIH 'K' Awards, Formula for Grant Success, Peer Review Process and the NIH Mock Study Section)

Presented in the Career Center, Sunday, April 6 and Monday, April 7. Visit www.faseb.org/careers/eb2008/pdf/EB08CRC.pdf for complete details.

Career Development Seminars and Workshops

Presented in the Career Center Saturday, April 5 through Tuesday, April 8. Visit www.faseb.org/careers/eb2008/pdf/EB08CRC.pdf for complete details.

NIH Grant Workshops



The FASEB Career Resources and MARC Program Office in association with the National Institutes of Health (NIH) will offer a 4-part grant seminar workshop series in the Career Resources Center located in Hall E of the San Diego Convention Center. The seminars will be presented by Dr. Anthony M. Coelho, Jr., Review Policy Officer at NIH, and Dr. Henry Khachaturian, NIH Extramural Program Policy Officer and Acting NIH Research Training Officer at NIH.

EB 2008 registration is required to participate in the seminars. Handouts and resource materials will be provided on-site. Advance seating reservations are not required. For further information on the grant writing seminar workshops, please contact the FASEB Career Resources staff at careers@faseb.org.

NIH Career Development (K) Awards

SUNDAY AND MONDAY • 8:30 AM–9:45 AM

This presentation will focus on the NIH's new K99/00 Pathways to Independence Award (for postdoctoral scientists) and the K08 Mentored Clinical Scientist Development Award (for individuals with a health professional doctoral degree committed to a career in laboratory or field-based research). The interactive discussion will give attendees an opportunity to ask questions of and obtain insight from an NIH representative.

Peer Review of NIH Grants—Part I

SUNDAY AND MONDAY • 10:00 AM–11:30 AM

This workshop is focused on providing information on how to understand the peer review process, which is essential to competing successfully for funding. The workshop also provides an overview of how scientific peer review is carried out at NIH.

Grant Writing for Success—Part II

SUNDAY AND MONDAY • 1:30 PM–3:00 PM

This workshop provides an introduction to factors that contribute to applications that succeed in obtaining research funding. This presentation is focused on the fundamental principles of successful grant writing, the most common reasons that grant applications fail, how to make an application "reviewer friendly", how to meet the needs of the reviewers and the funding agency, how to avoid the need for resubmission, and tips and strategies for resubmitting, including what should and should not be done if resubmission becomes necessary.

NIH Mock Study Section—Part III

MONDAY ONLY • 3:15 PM–5:00 PM

This workshop provides participants with an overview of the working dynamics of peer review at NIH. Participants will see the peer review process in action.

Additional Career Development Seminars and Workshops will be held in the FASEB Career Resources Center for which no fee or pre-registration is required; just walk in and sit down! Please visit www.faseb.org/careers/eb2008/pdf/EB08CRC.pdf for complete details.

AAI BLOCK SYMPOSIA

All sessions will be presented in the San Diego Convention Center.

Submitted abstracts are programmed into oral or poster sessions; oral sessions are called Block Symposia. Each abstract selected for a Block Symposium will also be presented in a Poster Session.

SATURDAY, APRIL 5

12:00 PM–2:00 PM

Cytokines in Autoimmunity and Hypersensitivity

ROOM 33 A/B

Host Immune Responses to Influenza Virus

ROOM 31 B/C

Thymopoiesis and T Cell Homeostasis

ROOM 30E

2:45 PM–4:45 PM

Immune Modulation During Persistent Infections

ROOM 31 B/C

SUNDAY, APRIL 6

8:00 AM–9:30 AM

T Cell Responses to Infection: From Recognition to Memory Formation

ROOM 31 B/C

8:00 AM–9:45 AM

Early Cell Lineage Restrictions in Hematopoiesis

ROOM 31A

10:15 AM–12:15 PM

CD4 and CD8 Memory

ROOM 31 B/C

Immunological Impact of Antigen Processing and Presentation

ROOM 31A

12:30 PM–2:30 PM

Tumor Associated Immunosuppression, Mechanisms of Tumor Rejection and Modulation of the Immune Response

ROOM 31A

2:45 PM–4:45 PM

T Cell Development

ROOM 33 A/B

MONDAY, APRIL 7

8:00 AM–10:00 AM

Genetic and Epigenetic Regulation of the Immune System I

ROOM 33 A/B

Immunotherapy of Cancer, Vaccine Development and Immune-Based Therapies

ROOM 31A

Mucosal Surfaces: Inflammation Control Centers

ROOM 32

Regulation of B Cell Responses

ROOM 30E

Regulation of Inflammatory Responses

ROOM 31 B/C

12:30 PM–2:30 PM

IL-17 Family of Cytokines

ROOM 33 A/B

Mast Cell and Basophil Activation and Survival

ROOM 31 B/C

New Therapeutic Strategies for Autoimmune Diseases

ROOM 30E

T Cell Signaling

ROOM 32

2:45 PM–4:45 PM

Antitumor Effector Cells and Regulation of Tumor Immunity

ROOM 30E

Treg and Th17 Cells as Modulators of Autoimmunity

ROOM 33 A/B

TUESDAY, APRIL 8

8:00 AM–10:00 AM

Leukocyte/Endothelial Cell Adhesion Mechanisms

ROOM 30E

Pathogenesis of Autoimmunity I: The Genetic Predisposition to Autoimmunity

ROOM 32

Poster Sessions

The most interactive part of the meeting! Discuss data and research issues firsthand with authors at the Poster Sessions. Posters will be displayed Sunday through Tuesday in the Exhibit Hall, from 7:30 AM–6:00 PM, with authors present from 12:30–1:30 PM each day. Late-breaking abstracts will be presented in poster sessions on Wednesday from 7:30 AM–3:30 PM. Authors will be present from 12:30 PM–1:30 PM at all posters.



Regulation of Effector Function and Homeostasis by Cytokines

ROOM 33 A/B

Targets and Therapeutics in Allergic Disease

ROOM 31 B/C

10:15 AM–12:15 PM

Immune Tolerance and Homeostasis

ROOM 33 A/B

Innate Immunity

ROOM 31 B/C

Leukocyte Migration in Innate and Adaptive Immunity

ROOM 31A

Pathogenesis of Autoimmunity II: Triggers of Autoimmunity

ROOM 32

Transplantation Immunology

ROOM 30E

12:30 PM–2:30 PM

B Cell Development

ROOM 32

Friend or Foe? Mechanisms for Sampling Mucosal Microenvironments

ROOM 30E

Lymphocyte Activation, Signaling and Survival

ROOM 33 A/B

2:45 PM–4:45 PM

Genetic and Epigenetic Regulation of the Immune System II

ROOM 33 A/B

Host Defense Against Parasitic and Fungal Pathogens

ROOM 30E

Regulatory T Cells

ROOM 32

Tumor-Associated Antigens and Pathobiology of the Immune System

ROOM 31 B/C

WEDNESDAY, APRIL 9

8:00 AM–10:00 AM

Development of Host Defense to Bacterial Infection

ROOM 30E

Mechanisms of T Cell Activation and Inactivation

ROOM 31A

Peripheral B Lineage Development and B Cell Immunity

ROOM 31 B/C

TLRs and Signaling Pathways

ROOM 32

8:00 AM–8:45 AM

Comparative Structure/Function of Antibody Molecules

ROOM 33 A/B

9:00 AM–10:00 AM

Comparative Immunobiology of Host Cellular Responses

ROOM 33 A/B

10:15 AM–12:15 PM

Cell Biology and Molecular Mechanisms of Antigen Processing and Presentation

ROOM 30E

Cellular Mechanisms of Hypersensitivity

ROOM 31 B/C

Dendritic Cell and Monocyte Regulation

ROOM 32

Enhancing Mucosal Immunity

ROOM 31A

Vaccines and Immunotherapeutics Against Microbial Infections

ROOM 33 A/B



The 95th Annual Meeting of The American Association of Immunologists

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Comparative Immunology

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AAI Courses in Immunology

The American Association of Immunologists

2008 Introductory Course in Immunology

June 20-26, 2008

The University of Pennsylvania, Philadelphia, PA

Don't miss the most comprehensive introduction to immunology available!

An intensive course taught by world-renowned teachers and researchers in immunology. This two-part course provides a comprehensive overview of the basics of immunology for students new to the discipline or seeking more information to complement general biology or science training. Upon completion, students will have the tools necessary to understand and discuss current topics and methods in immunology.

Part I (June 20-23) is a comprehensive introduction to the basic principles of immunology and is suitable for students with a general biology background. Part II (June 24-26) is a lecture course covering major areas of immunology and will require an understanding of basic immunology. Parts I and II may be taken independently at the discretion of the student. Registration details to be announced.

Course Director: Terri M. Laufer, M.D., University of Pennsylvania School of Medicine

The American Association of Immunologists

2008 Advanced Course in Immunology

July 19-24, 2008

The University of Minnesota, Minneapolis, MN

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

Course Director: Marc K. Jenkins, Ph.D., University of Minnesota
Course Co-Director: Kristin A. Hogquist, Ph.D., University of Minnesota

FOR MORE INFORMATION VISIT:

www.aai.org/Courses.htm

If you have any questions, contact meetings@aaai.org or call 301-634-7178.

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The seal of the American Association of Immunologists is circular, featuring a large stylized 'A' in the center. The text 'AMERICAN ASSOCIATION OF IMMUNOLOGISTS' is written around the top inner edge, and 'FOUNDED 1913' is at the bottom. The main title is centered over the seal.

The 95th Annual Meeting of The American Association of Immunologists

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(113 recipients for 2008, the inaugural year for this award)

To support AAI Trainee Members whose first-author abstracts submitted to the AAI Annual Meeting are selected for oral presentation in an AAI Block Symposium.

AAI gratefully acknowledges Genentech, Inc. for its generous support of this exciting new award.

To view names of recipients of AAI's Trainee Abstract Awards, visit www.aai.org/Awards/2008/Recipients/TraineeAbstract.pdf.

AAI Minority Scientist Travel Awards

(30 recipients for 2008)

To Provide Travel support to the AAI Annual Meeting to AAI members who are qualifying underrepresented minority scientists.

AAI Gratefully acknowledges the FASEB MARC (Minority Access to Research Careers) Program, FASEB Career Resources Office, for its generous support of the AAI Minority Scientist Travel Awards through National Institute of General Medical Sciences (NIGMS) Grant T36-GMO8059-25.

To view names of recipients of this award, visit www.aai.org/Awards/2008/Recipients/MinorityScientist.pdf.

AAI Junior Faculty Travel Grants

(52 recipients for 2008)

To assist promising young investigators with travel to the AAI Annual Meeting.

AAI gratefully acknowledges BD Biosciences and BioLegend, Inc., for their generous support of the AAI Junior Faculty Travel Grants for 2008.

To view names of recipients of this award, visit www.aai.org/Awards/2008/Recipients/JuniorFaculty.pdf

**The American Association of Immunologists
2008 Trainee and Junior Faculty Awards**

Pfizer - Showell Travel Award

To recognize the professional promise of an early career investigator

2008 Recipient

Jessica A. Hamerman, Ph.D.

Assistant Member, Immunology Program, Benaroya Research Institute

Cynthia Chambers Memorial–eBioscience Junior Faculty Award

To advance the careers of junior scientists who attend the AAI Annual Meeting for the purpose of presenting immunology research specifically in the area of cancer biology

2008 Recipient

Wei Cao, Ph.D.

Assistant Professor, University of Texas M.D. Anderson Cancer Center

AAI–Invitrogen Trainee Achievement Awards

To recognize promising trainees in the field of immunology

2008 Recipients

Sara L. Colpitts

Graduate Student, University of Pennsylvania

Gislaine A. Martins, Ph.D.

Post Doctoral Research Scientist, Columbia University College of Physicians and Surgeons

Ana V. Miletic Sedy, Ph.D.

Postdoctoral Fellow, Burnham Institute for Medical Research

Pushpa Pandiyan, Ph.D.

Postdoctoral Fellow, NIAID, NIH

Thomas A. Stoklasek

Graduate Student, University of Connecticut Health Center

Alexander Zarbock, M.D.

Postdoctoral Fellow, La Jolla Institute for Allergy and Immunology

2008 AAI Award Recipients

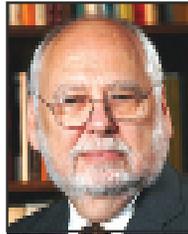
The American Association of Immunologists congratulates the following distinguished members on their selection as AAI Award Recipients for 2008.

AAI LIFETIME ACHIEVEMENT AWARD –

In recognition of distinguished scientific accomplishment and extraordinary service to the AAI

Robert R. Rich, M.D., University of Alabama at Birmingham School of Medicine

Dr. Rich's prestigious career reflects both distinguished scientific accomplishment and national leadership in the academic and scientific community. For over thirty years, Dr. Rich has served the AAI in key capacities, including as Chair of the AAI Committee on Public Affairs and as an ex-officio member of the AAI Council. His tireless dedication and insightful innovations during his term as Editor-in-Chief of The Journal of Immunology have provided a lasting legacy to the immunology community.



AAI EXCELLENCE IN MENTORING AWARD –

In recognition of exemplary career contributions to a future generation of scientists

Laurie H. Glimcher, M.D., Harvard School of Public Health; Harvard Medical School

In addition to a distinguished academic career and major scientific contributions to the field of immunology, Dr. Glimcher has had a career-long commitment to the development of scientist trainees and mentoring. Her dedication to trainees' success has resulted in a cadre of successful scientists across the spectrum of the science enterprise and the establishment of lifelong friendships.



AAI-INVITROGEN MERITORIOUS CAREER

AWARD – *For outstanding research contributions to the field of immunology*

Richard A. Flavell, Ph.D., FRS, HHMI, Yale University School of Medicine

Dr. Flavell's outstanding contributions to the field of immunology have fundamentally advanced our knowledge and understanding of the immune system through identification, characterization, and exploration of the roles of a variety of cell molecules involved in both innate and adaptive immune responses. The extraordinary quality of his scientific contributions and dedication to the field merit him this prestigious career award.



AAI DISTINGUISHED SERVICE AWARD –

For dedicated leadership as Chair of the AAI Committee on Public Affairs (2005-2007)

Ellen Kraig, Ph.D., University of Texas Health Science Center at San Antonio

Dr. Kraig provided exemplary leadership and demonstrated extraordinary dedication as Chair of the AAI Committee on Public Affairs. Her efforts greatly advanced the interests of AAI members and provided a strong voice for all immunologists.



AAI-DANA FOUNDATION AWARD IN HUMAN

IMMUNOLOGY RESEARCH – *For significant and sustained achievement in immunology research pertinent to human disease pathogenesis, prevention, and therapy*

James P. Allison, Ph.D., HHMI, Memorial Sloan-Kettering Cancer Center

In receiving this award, Dr. Allison is recognized for the quality and breadth of his research accomplishments in elucidating mechanisms of T cell biology and regulation and the impact those studies have had on the broad field of human immune therapy. This work has contributed significantly to the design of research and clinical trials that directly address regulatory aspects of the human immune response to tumors.



AAI-BD BIOSCIENCES INVESTIGATOR AWARD

– *For outstanding, early-career research contributions to the field of immunology*

Pamela L. Schwartzberg, M.D., Ph.D., National Human Genome Research Institute, NIH

As an early career scientist Dr. Schwartzberg has made high impact observations in the broad field of T cell signaling. Her work utilizes genetic and biochemical approaches to dissect signaling pathways in T cells and determine the roles these pathways play in lymphocyte development and function. On the basis of her accomplishments to date and her promise of success in the future, Dr. Schwartzberg is selected to receive this notable award.

