



AAI Courses in Immunology

The American Association of Immunologists

2007 Introductory Course in Immunology

June 22 - 28, 2007

The University of Pennsylvania, Philadelphia, PA

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

This two-part course will give students the tools necessary to understand and discuss current topics and methods in the field of immunology. Part I is a comprehensive introduction to the basic principles of immunology and is suitable for students with a general biology background. Part II is a lecture course covering major areas of immunology and requires an understanding of basic immunology. Parts I and II may be taken independently at the discretion of the student. 38 Continuing Medical Education (CME) Category I credits are offered.* Minority Access to Research Careers (MARC) travel awards are available to US citizens and permanent residents.

Attendance is limited to 200 registrants.

The American Association of Immunologists

2007 Advanced Course in Immunology

New Venue!

August 4 - 10, 2007

The University of Minnesota, Minneapolis, MN

Course Director: Marc K. Jenkins, Ph.D., University of Minnesota

This intensive 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 a survey course and requires that attendees have a firm understanding of the principles of immunology. 43 Continuing Medical Education (CME) Category I credits are offered.* Minority Access to Research Careers (MARC) travel awards are available to US citizens and permanent residents.

Attendance is limited to 220 registrants.

FOR INFORMATION, COURSE OUTLINES, AND REGISTRATION, VISIT:

www.aai.org/Courses.htm

For questions or assistance in registering, contact aaioffice@aai.org or **301-634-7178**.

Overseas applicants are advised to apply early for visas.

* This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of the Federation of American Societies for Experimental Biology (FASEB) and the AAI. FASEB is accredited by the ACCME to provide CME for physicians. FASEB designates this educational activity for the designated number of credit hours in category 1 credit towards the AMA Physician's Recognition Award. Number of hours is subject to change.

FOR COMPLETE MEETING INFORMATION VISIT WWW.IMMUNOLOGY2007.ORG

IMMUNOLOGY 2007™

94TH ANNUAL MEETING OF
**The American Association
of Immunologists, Inc.**

MAY 18-22, 2007
MIAMI BEACH
CONVENTION CENTER
MIAMI BEACH, FLORIDA



Important Deadlines

Late-Breaking Abstract Submission	March 12, 2007
Early Registration	March 14, 2007
Hotel Reservations	April 6, 2007

International Attendees

Apply for Visas early. For information visit <http://www.immunology2007.org/pages/visainformation.htm>

IMMUNOLOGY 2007™

What? The 94th Annual Meeting of the American Association of Immunologists (AAI) features major presentations from the most prominent scientists in the field to the first presentation by a graduate student.

Join thousands of immunologists from around the world to hear the most cutting edge science in plenary sessions, award lectures, major and guest symposia; present posters of original data; attend career services workshops and hundreds of exhibits; and much more. Don't miss out!

When? Friday, May 18–Tuesday, May 22, 2007

Where? Miami Beach Convention Center, Miami Beach, Florida

PRESIDENT'S PROGRAM

PRESIDENTIAL ADDRESS

FRIDAY, MAY 18: 5:00 PM; JACKIE GLEASON THEATER



◀ **Lewis L. Lanier**, Univ. of California–San Francisco; AAI President, *NK cells: from no receptors to too many*

James P. Allison, HHMI, Memorial Sloan-Kettering Cancer Center, *Introduction of Dr. Lanier*

Presentation of the AAI LIFETIME ACHIEVEMENT AWARD

MONDAY, MAY 21: 2:30 PM; JACKIE GLEASON THEATER

Chair: **Lewis L. Lanier**, Univ. of California–San Francisco; AAI President

Award recipient to be announced

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 The AAI and fellow immunologists. The award will be presented prior to the start of the AAI Presidential Symposium.

PRESIDENTIAL SYMPOSIUM

From Academics to Biotech and Back

MONDAY, MAY 21: 2:30 PM; JACKIE GLEASON THEATER

Chair: **Lewis L. Lanier**, Univ. of California–San Francisco; AAI President

Speakers:

Maria Grazia Roncarolo, San Raffaele Telethon Inst. for Gene Therapy, *T regulatory cell therapy: preclinical and clinical approaches*

Yong-Jun Liu, MD Anderson Cancer Center, Univ. of Texas, *Dendritic cell subsets and plasticity*

Giorgio Trinchieri, Center for Cancer Research, NCI, NIH, *Toll-like receptors, inflammation, and cancer*

Steven F. Ziegler, Benaroya Research Inst., Virginia Mason Medical Center, *TSLP: a critical player in allergic inflammation*



Roncarolo



Liu



Trinchieri



Ziegler

AAI DISTINGUISHED LECTURES

Supported through an educational grant from Genentech, Inc.

SATURDAY, MAY 19: 5:00 PM
JACKIE GLEASON THEATER



Dan R. Littman, HHMI, New York Univ. School of Medicine
Lineage choices in the thymus and periphery: from epigenetics to inflammation

SUNDAY, MAY 20: 5:00 PM
JACKIE GLEASON THEATER



Anjana Rao, Harvard Medical School
Signaling to transcription: the calcium/calcineurin/NFAT signaling pathway

MONDAY, MAY 21: 5:00 PM
JACKIE GLEASON THEATER



Michel C. Nussenzweig, HHMI, Rockefeller Univ.
Antibodies and chromosome translocation

MAJOR SYMPOSIA

SATURDAY, MAY 19: 8:00 AM

MAJOR SYMPOSIUM A

Molecular Sensors in Innate Immunity

MIAMI BEACH CONVENTION CENTER, ROOM B214/218

Chairs:

Jenny P. Ting, Univ. of North Carolina at Chapel Hill

Stefanie N. Vogel, Univ. of Maryland Baltimore

Speakers:

Stefanie N. Vogel, Univ. of Maryland Baltimore, *New insights into TLR-mediated signaling and disease*

Christopher L. Karp, Cincinnati Children's Hosp. Research Foundation, *Innate immune counter-regulation: restraining TLR signaling*

Jenny P. Ting, Univ. of North Carolina at Chapel Hill, *The CATERPILLER/NOD/NLR gene family: new family values in immunology*

Gabriel Nuñez, Univ. of Michigan Cancer Center, *Innate immunity mediated by NOD-like receptors*

Zhijian James Chen, HHMI, Univ. of Texas Southwestern Medical Center, *MAVS: a mitochondrial anti-viral signaling protein*

MAJOR SYMPOSIUM B

DNA Repair: Immune Diversity vs. Death

JACKIE GLEASON THEATER

Chairs:

David B. Roth, New York Univ. School of Medicine

Barry P. Sleckman, Washington Univ. School of Medicine

Speakers:

Frederick W. Alt, HHMI, Children's Hosp. of Boston, *NHEJ and the double-strand break response in IgH class switch recombination and translocations*

Craig H. Bassing, Children's Hosp. of Philadelphia, *Histone H2AX: keeping everything together at DNA breaks*

Nancy Maizels, Univ. of Washington Medical School, *Paradoxical pathways: molecular mechanisms of Ig gene diversification*

Dale A. Ramsden, Univ. of North Carolina, *V(D)J recombination-associated transposition: how much is too much?*

David B. Roth, New York Univ. School of Medicine, *The recombinase as gatekeeper: linking V(D)J recombination to DNA repair*

Chengming Zhu, MD Anderson Cancer Center, Univ. of Texas, *Critical role of DNA damage induced, p53-dependent cell cycle arrest in suppressing lymphomagenesis*

SUNDAY, MAY 20: 8:00 AM

MAJOR SYMPOSIUM C

Parasitic Infections: Informing Immunology

MIAMI BEACH CONVENTION CENTER, ROOM B214/218

Chairs:

Christopher A. Hunter, Univ. of Pennsylvania Veterinary School

Lynn Soong, Univ. of Texas Medical Branch

Speakers:

David Artis, Univ. of Pennsylvania, *Novel regulatory pathways in the regulation of type 2 responses and mucosal immunity*

William C. Gause, UMDNJ, New Jersey Medical School, *Characterizing effector cells at the host-parasite interface*

Lynn Soong, Univ. of Texas Medical Branch,

Immune modulation by Leishmania parasites

Yasmine Belkaid, NIAID, NIH, *Antigen specificity and origin of regulatory T cells during parasitic infection*

Fidel P. Zavala, Johns Hopkins Bloomberg School of Public Health, *Induction of effector CD8+ T cells against liver stages of malaria parasites*

Rick L. Tarleton, Univ. of Georgia, *Generation, maintenance and specificity of CD8+ T cell responses to the intracellular pathogen Trypanosoma cruzi*

MAJOR SYMPOSIUM D

Lineage Decisions

JACKIE GLEASON THEATER

Chairs:

Barbara L. Kee, Univ. of Chicago

Juan Carlos Zúñiga-Pflücker, Univ. of Toronto

Speakers:

Katia Georgopoulos, Massachusetts General Hosp., Harvard Univ., *Hematopoietic stemness and the Mi-2 code*

David M. Allman, Univ. of Pennsylvania Medical School, *Ontogeny of plasmacytoid dendritic cells*

Barbara L. Kee, Univ. of Chicago, *Transcriptional control of natural killer cell development*

Juan Carlos Zúñiga-Pflücker, Univ. of Toronto, *Early T cell differentiation, in vitro models of thymus function*

Rémy Bosselut, NCI, NIH, *Transcriptional control of CD4-CD8 differentiation: in the thymus and beyond*

Steven L. Reiner, Univ. of Pennsylvania, Abramson Cancer Inst., *Specifying T lymphocyte fates required for immunity*

MONDAY, MAY 21: 8:00 AM

MAJOR SYMPOSIUM E

B Cells and Autoimmunity

JACKIE GLEASON THEATER

Chairs:

Mark J. Shlomchik, Yale Univ. School of Medicine

Silvia Bolland, NIAID, NIH

Speakers:

Mark J. Shlomchik, Yale Univ. School of Medicine, *Role of TLRs and T cells in regulating autoreactive B cells*

Silvia Bolland, NIAID, NIH, *TLR7 gene dosage and its role in systemic autoimmunity*

Ann Marshak-Rothstein, Boston Univ. School of Medicine, *Pattern recognition receptors in the development of systemic autoimmune diseases*

Chandra Mohan, Univ. of Texas Southwestern Medical Center, *The genetic basis of murine lupus: from genetic locus to specific gene*

Ignacio Sanz, Univ. of Rochester, *Breakdown and restoration of B cell tolerance in human SLE*

Eric Meffre, Hosp. for Special Surgery, New York, *Autoreactive B cell selection in human rheumatoid arthritis*

MAJOR SYMPOSIUM F

Inflammation in the Immune Response: IL-17/IL-23

MIAMI BEACH CONVENTION CENTER, ROOM B214/218

Chairs:

John J. O'Shea, NIAMS, NIH

Casey T. Weaver, Univ. of Alabama at Birmingham

Speakers:

Chairs Introduction (John J. O'Shea and Casey T. Weaver)

Daniel J. Cua, DNAX Research Inst., *Regulation of the IL-23/IL-17 immune axis*

Christopher A. Hunter, Univ. of Pennsylvania Veterinary School, *Turning off Th17 cells*

Nico Ghilardi, Genentech, Inc., *The role of IL-27 in regulating Th17 development*

Jay K. Kolls, Children's Hosp. of Pittsburgh, *Role of IL-23/IL-17 in lung host defense*

Brigitta Stockinger, National Inst. for Medical Research, London, *Th17—a missing link in the immune system*

TUESDAY, MAY 22: 8:00 AM

MAJOR SYMPOSIUM G

Memory Cells and Responses

MIAMI BEACH CONVENTION CENTER, ROOM B214/218

Chairs:

Susan M. Kaech, Yale Univ.

Michael G. McHeyzer-Williams, Scripps Research Inst.

Speakers:

Susan M. Kaech, Yale Univ., *Regulation of memory CD8 T cell precursors by T-bet and inflammatory signals*

Susan L. Swain, Trudeau Inst., *CD4 T cells: how effector and memory cells combat influenza*

Philippa Marrack, HHMI, National Jewish Medical and Research Center, *CD4 memory T cells may not exist*

Federica Sallusto, Inst. for Research in Biomedicine, *Subsets of memory T cells in mouse and man*

Michael G. McHeyzer-Williams, Scripps Research Inst., *Regulating antigen-specific B cell immunity*

Mark K. Slifka, Oregon Health and Science Univ., *Immunological memory following smallpox or smallpox vaccination: how long can it last?*

MAJOR SYMPOSIUM H

Immune System Imaging

JACKIE GLEASON THEATER

Chairs:

Ellen A. Robey, Univ. of California Berkeley

Ulrich H. Von Andrian, Harvard Medical School

Speakers:

Ellen A. Robey, Univ. of California Berkeley, *Real-time analysis of T cell development in situ*

Ulrich H. Von Andrian, Harvard Medical School, *Imaging the adaptive immune response*

Philippe Bousso, Pasteur Inst., *Cellular orchestration of T cell priming in vivo*

Antonella Viola, Univ. of Padova, European Molecular Biology Organization (EMBO) Young Investigator, *Chemokine receptors at the immunological synapse*

Peter Friedl, Univ. of Würzburg, *Migration dynamics and signaling during T cell-APC interactions*

Michael Dustin, Skirball Inst. of Molecular Medicine, *A dynamic view of the immunological synapse*

AAI AWARDS

The AAI award programs honor members across the spectrum of their careers. AAI awards are presented throughout the meeting in special sessions.

Awards presented at IMMUNOLOGY 2007™:

- AAI Lifetime Achievement Award
- AAI Distinguished Service Award
- AAI Excellence in Mentoring Award
- AAI-Huang Foundation Meritorious Career Award
- AAI-BD Biosciences Investigator Award
- AAI-Dana Foundation Award in Human Immunology Research
- Pfizer-Showell Travel Award
- AAI-Huang Foundation Trainee Achievement Awards
- AAI Junior Faculty Travel Awards
- AAI Minority Scientist Travel Awards
- Cynthia Chambers Memorial-eBioscience Junior Faculty Award

Special Events

AAI Business Meeting & Awards Presentation

MONDAY, MAY 21: 12:45 PM; MIAMI BEACH CONVENTION CENTER, ROOM B210/211

This session will include the annual report to AAI members on AAI and *The Journal of Immunology* business affairs, and will feature the following AAI award presentations:

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

Award Presentations and Lectures

AAI-BD Biosciences Investigator Award & Lecture

Supported by an unrestricted educational grant from BD Biosciences

SUNDAY, MAY 20: 2:30 PM; JACKIE GLEASON THEATER

Chairs:

Lewis L. Lanier, Univ. of California-San Francisco; AAI President

Robert S. Balderas, Vice President for R&D, BD Biosciences

Award recipient to be announced

AAI-Huang Foundation Meritorious Career Award and Lecture

Supported by an unrestricted educational grant from the Huang Foundation

SUNDAY, MAY 20: 3:30 PM; JACKIE GLEASON THEATER

Chairs:

Lewis L. Lanier, Univ. of California-San Francisco; AAI President

Ernest C-M Huang, President, Huang Foundation

Award recipient to be announced

AAI-Dana Foundation Award in Human Immunology Research

Supported through an unrestricted grant from the Dana Foundation

SATURDAY, MAY 19: 3:15 PM; JACKIE GLEASON THEATER

Chair:

Lewis L. Lanier, Univ. of California-San Francisco; AAI President

Award recipient to be announced

NIH INSTITUTE SPONSORED SYMPOSIUM

National Institute of Allergy and Infectious Diseases (NIAID)

AAI-NIAID Contemporary Topics in Immunology

FRIDAY, MAY 18: 2:30 PM; MIAMI BEACH CONVENTION CENTER, ROOM A201/202

Chairs: **Alison Deckhut Augustine**, NIAID, NIH

John G. Monroe, Univ. of Pennsylvania School of Medicine; AAI Program Committee Chair

Speakers:

M. Virginia Pascual, Baylor Inst. for Immunology Research, *Role of IL-1 in systemic onset juvenile arthritis*

Lawrence Stern, Univ. of Massachusetts Medical School, *MHC/peptide interactions and antigen presentation*

Denise Kirschner, Univ. of Michigan Medical School, *Multi-scale approaches towards understanding antigen presentation during the immune response to M. tuberculosis*

Adolfo García-Sastre, Mount Sinai School of Medicine, *Insights on influenza virus pathogenicity from the pandemic 1918 influenza virus*

HIV 65,000,000—Immunology 0: Let's Get on the Scoreboard! Will B Cells Be the Answer?

SATURDAY, MAY 19: 10:15 AM; MIAMI BEACH CONVENTION CENTER, ROOM A104/105

Chairs: **Tony Conley**, DAIDS, NIAID, NIH

Helen R. Quill, DAIT, NIAID, NIH

A panel of six distinguished researchers will discuss basic immunology strategies for engineering B cell reactivity in HIV vaccination.

Immunology Ontology 101: Who Cares and Why You Should

SATURDAY, MAY 19: 12:30 PM; MIAMI BEACH CONVENTION CENTER, ROOM A104/105

Chairs: **Alison Deckhut Augustine**, NIAID, NIH

Alison Yao, NIAID, NIH

This session is intended to introduce ontology and its applications to immunology to the AAI research community. An ontology is a formal way of representing knowledge by defining the relationships between entities. Ontologies provide a computational framework for the accurate integration of data and knowledge resources. Use of formal ontologies to structure information within a database allows researchers to share information readily and expand data collection and analysis to include multiple data and knowledge sources from within and outside of their laboratories, which may lead to the discovery of novel biological information.

Presenters:

Suzanna Lewis, Univ. of California, Berkeley, *Ontology 101: an overview*

Alexander D. Diehl, The Jackson Laboratory, *Gene ontology for immunology: an overview*

Presentations of NIAID immune ontology-related projects

Richard Scheuermann, Univ. of Texas Southwest Medical Center, *Immunology Database and Analysis Portal (ImmPort)*

Lindsay Cowell, Duke Univ., *Multi-scale integrative immunology for adjuvant discovery*

Bjoern Peters, La Jolla Inst. for Allergy and Immunology, *Immune epitope database and analysis program*

Q and A session with presenters

National Institute on Aging (NIA)

How Aging Impacts Immunity

MONDAY, MAY 21: 8:00 AM; MIAMI BEACH CONVENTION CENTER, ROOM A201/202

Chairs: **Richard J. Hodes**, Director, NIA, NIH

Rebecca A. Fuldner, NIA, NIH

Hans Snoeck, Mount Sinai School of Medicine, *Age-related changes in B cell development*

Bonnie Blomberg, Univ. of Miami School of Medicine, *Decreased class switch in B cells from aged mice and humans*

Henry Wortis, Tufts Univ. School of Medicine, *Genetic analysis of an age-related decline in immune resistance to infection*

Wendy Keitel, Baylor College of Medicine, *Inactivated influenza vaccines for the elderly*

AAI COMMITTEE SPONSORED EVENTS

AAI Clinical Immunology Committee

Symposium: Animal Models of Autoimmune Disease: What yhe Have yaught and Not yaught

FRIDAY, MAY 18: 2:45 PM; MIAMI BEACH CONVENTION CENTER, ROOM A204/205

Chair: Ralph C. Budd, Univ. of Vermont College of Medicine

Speakers:

David B. Corry, Baylor College of Medicine, *Human and experimental asthma—what have we learned?*

Chella S. David, Mayo Clinic Foundation, *Humanized HLA class II transgenic mice mimic RA and MS*

Nora E. Sarvetnick, The Scripps Research Inst., *Understanding diabetes in humans and rodents*

Edward K. Wakeland, Univ. of Texas Southwestern Medical Center, *Delineating the genetic pathways mediating susceptibility to systemic autoimmunity*

AAI Education Committee

Careers Roundtable

Co-sponsored with the AAI Committee on the Status of Women

SATURDAY, MAY 19: 1:00 PM; MIAMI BEACH CONVENTION CENTER, ROOM B118-122

Chairs: Mercedes Rincon, Univ. of Vermont; Chair, Committee on the Status of Women

Christel H. Uittenbogaart, UCLA

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 required as there is limited seating. \$10 fee required when registering; coffee and dessert included.

Scientists at Undergraduate Institutions: Meeting the Challenges

SUNDAY, MAY 20: 12:30 PM; MIAMI BEACH CONVENTION CENTER, ROOM B118-122

Chairs: Laurel A. Eckhardt, Hunter College, CUNY

James M. Sheil, West Virginia Univ. School of Medicine

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 any degrees beyond the BA, to large research universities with graduate programs granting PhD'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:

Sharon A. Stranford, Mount Holyoke College, *Research and teaching at a small liberal arts college*

Laurel A. Eckhardt, Hunter College, *Research and teaching in a university undergraduate department*

James M. Sheil, West Virginia Univ. School of Medicine, *Institutional support and commitment for research programs in undergraduate institutions*

Panel session with audience Q and A

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

MONDAY, MAY 21: 12:30 PM; MIAMI BEACH CONVENTION CENTER, ROOM A204/205

Chair: Christopher A. Pennell, Univ. of Minnesota-Minneapolis

This workshop is for young investigators who want to be, or have recently become, Principal Investigators. The participants in this workshop will give tips on how to succeed at the next level in your career and will share valuable insights that no one bothers to tell you.

Panelists:

Gail A. Bishop, Univ. of Iowa, *Paddling your own canoe: navigating a rewarding path as an independent scientist*

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

David W. Scott, Univ. of Maryland, *Words (of wisdom?) from a PI with history*

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

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

SATURDAY, MAY 19: 9:00 AM, MIAMI BEACH CONVENTION CENTER, ROOM A106/107

Chair: Arthur Tzianabos, Shire Human Genetic Therapies

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.

2006-2007 AAI High School Teachers Program Participants

Teacher: Ann Brokaw, Rocky River High School, Rocky River, OH

Mentor: Brian A. Cobb, Ph.D., Case Western Reserve Univ., Cleveland, OH

Teacher: Molly Hanley, Magnificat High School, Rocky River, OH

Mentor: Neil S. Greenspan, M.D., Ph.D., Case Western Reserve Univ., Cleveland, OH

Teacher: Philip Lundy, Brighton Area Schools, Brighton, MI

Mentor: Nicholas W. Lukacs, Ph.D., Univ. of Michigan, Ann Arbor, MI

Teacher: Debra Paul, F. H. Tuttle Middle School, South Burlington, VT

Mentor: Ralph C. Budd, M.D., Univ. of Vermont College of Medicine, Burlington, VT

Teacher: Mark Paul, Essex High School, Essex Junction, VT

Mentor: Ralph C. Budd, M.D., Univ. of Vermont College of Medicine, Burlington, VT

AAI Minority Affairs Committee

The AAI 2007 Minority Affairs Committee Activities are funded by a grant from the National Institute of General Medical Sciences, National Institutes of Health [FASEB MARC Program: T36-GM08059-24].

AAI Minority Scientist Travel Awards Program

The Minority Affairs Committee supports the participation of underrepresented minority scientists at the AAI Annual Meeting through committee activities and offering the Minority Scientist Travel Awards. The awards will be presented at the AAI Business Meeting.

AAI Minority Affairs Committee Breakfast Workshop: NIH Funding Realities: Implications for Underrepresented Minority Scientists

SUNDAY, MAY 20: 8:30 AM; MIAMI BEACH CONVENTION CENTER, ROOM B212/213

Chair: Randy R. Brutkiewicz, Indiana Univ. School of Medicine; Chair, Minority Affairs Committee

Guest Speaker: Milton Hernandez, Director, Office of Special Populations and Research Training, NIAID, NIH (invited)

AAI Minority Affairs Committee Guest Lecture

SUNDAY, MAY 20: 10:30 AM; MIAMI BEACH CONVENTION CENTER, ROOM B212/213

Chair: Randy R. Brutkiewicz, Indiana Univ. School of Medicine; Chair, Minority Affairs Committee

Guest Speaker: Avery August, Pennsylvania State Univ., *Tec tyrosine kinase modulation of airway responses*

AAI Committee on Public Affairs

Advocating for Biomedical Research: The Top Ten Things You Should NOT Say While Educating Lawmakers

SATURDAY, MAY 19: 11:30 AM; MIAMI BEACH CONVENTION CENTER, ROOM A106/107

Chair: Ellen Kraig, Univ. of Texas Health Science Center; Chair, Committee on Public Affairs

Informing lawmakers about the importance of funding biomedical research is a key function of AAI's public affairs program. But we depend on AAI members to help us communicate this crucial message. If you've ever gone to Capitol Hill to advocate for research, or if you would ever like to do so, or if you just want some good political laughs, join us for this informative and potentially irreverent seminar.

Meet the Directors: NIH Priorities, Funding, and You

SUNDAY, MAY 20: 12:30–2:30 PM; MIAMI BEACH CONVENTION CENTER, ROOM A204/205

Chair: Ellen Kraig, Univ. of Texas Health Science Center;
Chair, Committee on Public Affairs

Hear from the Directors of these key NIH institutes regarding their plans for advancing immunological research now and in the years to come. The audience will be invited to ask questions of the Directors on any topic of interest or concern.

Speakers:

Anthony S. Fauci, Director, National Institute of Allergy and Infectious Diseases, NIH

Richard J. Hodes, Director, National Institute on Aging, NIH

Alan M. Krensky, Director, Office of Portfolio Analysis and Strategic Initiatives, Office of the Director, NIH

AAI Publications Committee

Writing, Rebuttals, and Angst in Scientific Publishing

SATURDAY, MAY 19: 12:30 PM; MIAMI BEACH CONVENTION CENTER, ROOM B210/211

Chair: Jeffrey A. Frelinger, Univ. North Carolina; Deputy Editor, *The Journal of Immunology*

The audience will learn what editors of *The Journal of Immunology* look for when deciding which articles get accepted for publication. Speakers will address how to effectively respond to criticisms and give tips on avoiding the most common mistakes made by authors in preparing and defending manuscripts. The issue of ethics, that is, what constitutes plagiarism, fraud and falsification, will be also addressed. After short presentations, audience questions and comments will be addressed by the speakers.

Speakers:

Jeffrey A. Frelinger, Univ. of North Carolina, Deputy Editor, *The Journal of Immunology*, *Understanding The JI; what happens after you push the button?*

Jeremy M. Boss, Emory Univ. School of Medicine, Deputy Editor, *The Journal of Immunology*, *I can't believe it didn't get accepted! Responding to reviewer critiques*

Michael J. Zigmond, Univ. of Pittsburgh, *High crimes and misdemeanors in publication practices: ethics in publishing*

Communication: The Science of Scientific Writing

Mini Course (Fee required)

FRIDAY, MAY 18: 12:00–4:00 PM; MIAMI BEACH CONVENTION CENTER, ROOM A106/107

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

Do you ever feel that writing about your research for publication can be more challenging than actually doing the experiments? Do you wish you could communicate your science more efficiently and effectively? This workshop will consider writing from the perspective that matters most—

that of the reader. Writers who are aware of readers' interpretive needs can structure their documents—research articles, reviews, grant applications, etc.—so that the messages their readers take away are the messages the writers intended. This workshop is appropriate for scientists of all levels: graduate students, postdocs, and junior faculty members will learn specific strategies for communicating clearly, while senior scientists will also gain new perspectives on writing well. Scientists who speak English as a second language will be made aware of many structural cues that native English speakers have acquired unconsciously.

Registration required as there is limited seating. \$100 fee required when registering.

AAI Committee on the Status of Women

Networking & Mentoring: How to Make it Work for You

FRIDAY, MAY 18: 2:45 PM; MIAMI BEACH CONVENTION CENTER, ROOM B210/211

Chair: Laura Haynes, Trudeau Inst.

Many times it is about who you know! Networking and mentoring skills can significantly enhance your career. This workshop will present strategies for how to network and mentor at any stage in your career. Short presentations will precede a question and answer session with the audience.

Panelists:

Sherrill Adams, Univ. of Pennsylvania Dental School, *Setting up mentoring connections*

Laura Haynes, Trudeau Inst., *How to get started networking*

Otaniel Martinez-Maza, UCLA, *Invited*

AAI Veterinary Immunology Committee

Comparative Models of Disease

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

SUNDAY, MAY 20: 8:00 AM, MIAMI BEACH CONVENTION CENTER, ROOM B210/211

Chairs: Joan K. Lunney, ARS, ANRI, USDA; President, AAVI

William T. Golde, ARS, USDA; Chair, Veterinary Immunology Committee

Speakers:

John E. Butler, Univ. of Iowa College of Medicine, *The isolator piglet model: PRRS viral infection causes expansion of naïve B cells with hydrophobic HCDR3s*

Jaime F. Modiano, Univ. of Colorado Health Science Center, *Dogs, cancer, and evolution: a contemporary voyage of discovery with the beagle*

Laurel J. Gershwin, Univ. of California, Davis School of Veterinary Medicine, *Immunopathogenesis of respiratory syncytial virus infection: lessons from a bovine model*

David H. O'Connor, Univ. of Wisconsin-Madison, *Advances and new opportunities in nonhuman primate models of HIV/AIDS*

NIH GRANT WORKSHOPS

The FASEB Career Resources and MARC Program Office, in association with the National Institutes of Health (NIH), will offer a three-part grant seminar workshop in the Career Resources Center during IMMUNOLOGY 2007™. Dr. Anthony M. Coelho, Jr., Review Policy Officer at NIH, will chair the workshops. Meeting registration is required to participate in the seminars.

Peer Review of NIH Grants—Part I

Saturday, May 19: 10:00–11:30 AM

Sunday, May 20: 10:00–11:30 AM

CAREER RESOURCES CENTER: MIAMI BEACH CONVENTION CENTER, EXHIBIT HALL B

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

Saturday, May 19: 1:30–3:00 PM

Sunday, May 20: 1:30–3:00 PM

CAREER RESOURCES CENTER: MIAMI BEACH CONVENTION CENTER, EXHIBIT HALL B

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

Sunday, May 20: 3:15–5:00 PM

CAREER RESOURCES CENTER: MIAMI BEACH CONVENTION CENTER, EXHIBIT HALL B

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, followed by a question and answer period.

IMPORTANT: Handouts and resource materials will be provided onsite. For further information on the grant writing workshops, please contact marc@faseb.org, or call 301-634-7020.

INVITED GUEST SOCIETY SYMPOSIA

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

AAI—British Society for Immunology (BSI) Special Symposium: Signal Transduction in the Immune System

SATURDAY, MAY 19, 12:30 PM, MIAMI BEACH CONVENTION CENTER, ROOM A201/202

Chairs: **John G. Monroe**, Chair, Program Committee, Univ. of Pennsylvania
Christopher E. Rudd, BSI International Secretary, Cambridge Univ.

Speakers:

John G. Monroe and **Christopher E. Rudd**, *Introduction*
Amnon Altman, La Jolla Inst. for Allergy & Immunology, *SLAT: a novel regulator of T cell differentiation and calcium signaling*
Doreen Cantrell, Biocentre, Univ. of Dundee, *Serine kinase control of T lymphocyte metabolism and chromatin*
John Cambier, National Jewish Center, Univ. of Colorado Health Science Center, *Transacting inhibitory signaling circuitry mediates anergic B cell hyporesponsiveness to antigen, CXCL12 and BAFF*
Victor Tybulewicz, National Institute for Medical Research, *Role of Rac GTPases and their exchange factors in lymphocyte development and function*

American Association of Veterinary Immunologists (AAVI) Symposium: Comparative Models of Disease

(see AAI Veterinary Immunology Committee Symposium)

SUNDAY, MAY 20, 8:00 AM, MIAMI BEACH CONVENTION CENTER, ROOM B210/211

Chairs: **Joan K. Lunney**, ARS, ANRI, USDA
William T. Golde, ARS, USDA

American Society for Bone and Mineral Research (ASBMR) Symposium: Osteoimmunology

SUNDAY, MAY 20, 2:45 PM, MIAMI BEACH CONVENTION CENTER, ROOM B210-211

Chairs: **Mark C. Horowitz**, Yale Univ. School of Medicine
Yongwon Choi, Univ. of Pennsylvania School of Medicine

Speakers:

Yongwon Choi, Univ. of Pennsylvania School of Medicine, *Introduction to osteoimmunology*
Mary C. Nakamura, Univ. of California-San Francisco, *Innate receptors, osteoclasts and the microenvironment of bone*
Joseph Lorenzo, Univ. of Connecticut Health Center, *Studies of the development and regulation of osteoclasts: insights into the interactions of the immune system and bone*
Marco Colonna, Washington Univ. School of Medicine St. Louis, *TREM-2 osteoclastogenesis and inflammation*

American Society of Transplantation (ASy) Symposium: Innate-Adaptive Immune Interactions in Transplantation

TUESDAY, MAY 22, 8:00 AM, MIAMI BEACH CONVENTION CENTER, ROOM A208/209

Chairs: **Gregg A. Hadley**, Ohio State Univ.
Robert L. Fairchild, Cleveland Clinic Foundation

Speakers:

Maria-Louisa Alegre, Univ. of Chicago, *Toll-like receptor engagement prevents transplantation tolerance: effects on T reg recruitment to allografts*
Jerzy Kupiec-Weglinski, Univ. of California-Los Angeles, *Innate immunity in ischemia-reperfusion injury*
Robert L. Fairchild, Cleveland Clinic Foundation, *Interaction between neutrophils and memory T cells in promotion of allograft rejection*
Dale L. Greiner, Univ. of Massachusetts Medical School, *Cross-talk between innate immunity and transplantation tolerance is mediated through type I interferons*
Xian C. Li, Beth Israel Deaconess Medical Center, *Role of natural killer cells in transplant immunity*

Canadian Society for Immunology (CSI) Symposium: Hematopoietic Cells and their Microenvironment: From Bone Marrow to the Periphery

SATURDAY, MAY 19, 10:15 AM, MIAMI BEACH CONVENTION CENTER, ROOM A204/205

Chair: **Kelly M. McNagny**, Univ. of British Columbia

Speakers:

Norman N. Iscove, Ontario Cancer Inst., Univ. of Toronto, *Specification of self-renewal in hematopoietic stem cells*
Timm Schroeder, National Research Center for Environment and Health, Munich, *Tracking hematopoiesis at the single cell level*
Kelly M. McNagny, Univ. of British Columbia, *CD34 as a regulator of bone marrow engraftment and mast cell trafficking*
Hermann Ziltener, Univ. of British Columbia, *New aspects of selectin ligand PSGL-1 in the development and trafficking of T cells*
Paul Kubes, Univ. of Calgary, *Different mechanisms of leukocyte recruitment in different microenvironments*

International Society for Interferon and Cytokine Research (ISICR) Symposium: Cytokine Mediated Signal Transduction in Innate Immunity

SATURDAY, MAY 19, 10:15 AM, MIAMI BEACH CONVENTION CENTER, ROOM A101/102

Chair: **Xiaoxia Li**, Cleveland Clinic Research Foundation

Speakers:

Sarah L. Gaffen, SUNY at Buffalo, *Structure-function relationships in the IL-17 receptor*
Xiaoxia Li, Cleveland Clinic Research Foundation, *The essential role of Act1 in IL-17 signal transduction*
Thomas A. Hamilton, Cleveland Clinic Research Foundation, *IL-17 promotes chemokine expression through stabilization of mRNA*
Michael David, Univ. of California San Diego, *A novel anti-viral mechanism of IFNs*

International Society for NeuroImmunoModulation (ISNIM) Symposium: Neural and Endocrine Immunoregulation

FRIDAY, MAY 18, 12:30 PM, MIAMI BEACH CONVENTION CENTER, ROOM A208/209

Chair: **Hugo O. Besedovsky**, Philipps Univ. of Marburg, Germany

Speakers:

Hugo O. Besedovsky, Philipps Univ. of Marburg, Germany, *Introduction*
Keith W. Kelley, Univ. of Illinois-Urbana, *Immunoregulatory role of pituitary hormones*
Adriana del Rey, Philipps Univ. of Marburg, Germany, *Immunoregulatory role of the sympathetic nervous system*
Rainer H. Straub, Univ. Hosp., Regensburg, Germany, *Immunoregulatory role of neuropeptides during inflammatory autoimmune disease*
Wilson Savino, Oswaldo Cruz Foundation, Rio de Janeiro, *Immune-neuroendocrine interactions in the thymus*

International Society of Developmental and Comparative Immunology (ISDCI): The Evolution of Antigen Recognition from Studies of Insects and Non-Mammalian Vertebrates:

The Bill Clem Memorial Symposium

SUNDAY, MAY 20, 12:30 PM, MIAMI BEACH CONVENTION CENTER, ROOM A104/105

Chair: **Martin F. Flajnik**, Univ. of Maryland Medical School

Speakers:

Norman W. Miller, Univ. of Mississippi Medical Center, *Function of IgD in fish*
Oriol J. Sunyer, Univ. of Pennsylvania School of Veterinary Medicine, *Phagocytic B cells exposed*
Ellen Hsu, State Univ. of New York, Brooklyn, *Immunoglobulin heavy chain switch in sharks*
Dietmar Schmucker, Dana-Farber Cancer Inst., *Hypervariable Ig-receptors in arthropod immunity*

FOR COMPLETE MEETING INFORMATION VISIT WWW.IMMUNOLOGY2007.ORG

**International Society of Neuroimmunology (ISNI) Symposium:
Astrocytes and Neurodegenerative Disorders: From Signaling to
Immunological Synapses**

SATURDAY, MAY 19, 8:00 AM, MIAMI BEACH CONVENTION CENTER, ROOM A208/209

Chairs: John R. Bethea, Univ. of Miami
Roberta Brambilla, Univ. of Miami

Speakers:

Roberta Brambilla, Univ. of Miami, *Transgenic inactivation of astroglial-NF- κ B improves functional recovery following spinal cord injury and experimental autoimmune encephalomyelitis (EAE)*

Marco Prinz, Univ. of Göttingen, *The role of transcription factor NF- κ B in the central nervous system during autoimmune encephalomyelitis and demyelination*

Etty Benveniste, Univ. of Alabama-Birmingham, *Expression and function of SOCS proteins in glial cells*

Pedro R. Lowenstein, UCLA, Cedars-Sinai Medical Center, *Immunological synapses in the brain: the structural basis of neuroimmune-immune interactions*

**Psychoneuroimmunology Research Society (PNIRS) Symposium:
Inflammation in the Brain**

FRIDAY, MAY 18, 2:45 PM, MIAMI BEACH CONVENTION CENTER, ROOM A208/209

Chair: Keith W. Kelley, Univ. of Illinois-Urbana

Speakers:

Keith W. Kelley, Univ. of Illinois-Urbana, *Inflammation in the brain: overview*

Stephen D. Miller, Northwestern Univ. Medical School, *Antigen presentation in the inflamed CNS: a critical role for dendritic cells*

Monica J. Carson, Univ. of California-Riverside, *Microglia and the CNS: specific regulation of autoreactive T cells*

Linda Watkins, Univ. of Colorado at Boulder, *Glia as the "bad guys" in pathological pain: implications for the treatment of human chronic pain*

Andrew Miller, Emory Univ. School of Medicine, *Cytokines sing the blues: mediators and mechanisms of the effects of cytokines on mood*

**Sociedad Mexicana de Inmunología (SMI) Symposium:
Immunology in Mexico**

SATURDAY, MAY 19, 8:00 AM, MIAMI BEACH CONVENTION CENTER, ROOM B210/211

Chair: Iris Estrada García, Escuela Nacional de Ciencias Biológicas, IPN

Speakers:

Leopoldo Santos-Argumedo, IPN-CINVESTAV, *CD38 modulates B lymphocyte maturation and differentiation*

Francisco J. Espinosa-Rosales, SS-Inst. Nal. Pediatría, *Primary immunodeficiencies*

Ana Flisser, UNAM-Facultad de Medicina, *Intestinal immunity in the experimental model of Taenia solium taeniosis*

Leticia Moreno Fierros, UNAM FES Iztacala, *Immunomodulatory and adjuvant properties of Cry 1Ac protoxin from bacillus thuringiensis: compartmentalization of the mucosal immune response elicited by Cry 1Ac*

Ethel García-Latorre, IPN-ECNB, *Role of CD25⁺/CD4⁺/FoxP3⁺ cells in spondyloarthropathies*

Vianney Ortiz Navarrete, IPN-CINVESTAV, *B-lymphocytes: a reservoir for salmonella survival*

**Society for Leukocyte Biology (SLB) Symposium:
Type I Interferon and Chronic Infection: Good, Bad or Both?**

TUESDAY, MAY 22, 8:00 AM, MIAMI BEACH CONVENTION CENTER, ROOM A101/102

Chair: Luis J. Montaner, Wistar Inst.

Speakers:

Christine A. Biron, Brown Univ., *Regulating the biological effects of type I interferons*

Jean-Philippe Herbeuval, Université Paris V, Hôpital Necker, *HIV immunopathogenesis: when good IFN turns bad!*



BLOCK SYMPOSIA

Submitted abstracts are programmed into oral or poster sessions; oral sessions are called Block Symposia. All abstracts selected for a Block Symposium will also be required to be presented in a Poster Session. Block Symposia are programmed on the basis of abstracts received. Approximately 50 Block Symposia will be presented at IMMUNOLOGY 2007™.

POSTER SESSIONS

The most interactive part of the meeting! Discuss data and research issues first hand with authors at the Poster Sessions. Posters will be displayed Saturday through Monday in the Miami Beach Convention Center, Hall B, from 7:30 AM–6:00 PM, with authors present from 12:30–1:30 PM.

Stephen J. Polyak, University of Washington, *Interferons and hepatitis C virus*

Luis J. Montaner, Wistar Inst., *Anti-HIV-1 effects of type I interferons: glass half-full or half-empty?*

**Society for Mucosal Immunology (SMI) Symposium:
MALT Horizons**

TUESDAY, MAY 22, 8:00 AM, MIAMI BEACH CONVENTION CENTER, ROOM B210/211

Chairs: David W. Pascual, Montana State Univ.

Hiroshi Kiyono, Univ. of Tokyo

Speakers:

Troy D. Randall, Trudeau Inst., *The role of inducible BALT in respiratory immunity*

Hiroshi Kiyono, Univ. of Tokyo, *NALT organogenesis*

Nicholas W. Lukacs, Univ. of Michigan, *The role of TLRs during pulmonary viral infection for development of the immune environment*

Lynn Puddington, Univ. of Connecticut Health Center, *Transmitted maternal factors influence severity of allergic airway disease in offspring*

David W. Pascual, Montana State Univ., *Needle-free immunization for biodefense*

**Society for Natural Immunity (SNI) Symposium:
Natural Killer Cells at Innate Immune Interfaces**

MONDAY, MAY 21, 12:30 PM, MIAMI BEACH CONVENTION CENTER, ROOM A208/209

Chair: Wayne M. Yokoyama, Washington Univ. School of Medicine

Speakers:

John Trowsdale, Univ. of Cambridge, UK, *Polymorphisms of NK cell receptor gene complexes*

Miguel López-Botet, Univ. Pompeu Fabra, Barcelona, *NK cell receptors in the immune response to human cytomegalovirus infection*

Stipan Jonjic, Univ. of Rijeka, Croatia, *Viral immune evasion of NKG2D*

Joan S. Hunt, Univ. of Kansas, *Innate immune cells at the maternal-fetal interface*



EDITOR-IN-CHIEF ***THE JOURNAL OF IMMUNOLOGY***

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

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

The EIC is responsible to the AAI Publications Committee and, ultimately, to the AAI Council, and is an *ex officio* member of both groups. The EIC collaborates with the AAI Executive Director who has primary responsibility for the business affairs of *The JI*.

Applicants are expected to have an accomplished scientific career with a significant publication record, in addition to appropriate editorial experience. Candidates should possess strong leadership qualities, intellectual vision and outstanding interpersonal skills.

The term of service for this position is from July 1, 2008 to June 30, 2013. However, the appointed EIC is expected to overlap with the incumbent EIC starting January 1, 2008, to ensure a smooth transition of responsibilities. This position is considered to be part-time, for which a stipend and associated expenses are provided. Applicants must be members of AAI in good standing and are required to reside within the continental U.S.

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

Applications will be accepted through May 20, 2007. Please mail or e-mail them to:

Chair
AAI Publications Committee
c/o AAI
9650 Rockville Pike
Bethesda, MD 20814
EICsearch@aai.org

EOE

Notice to Authors Submitting Manuscripts to *The Journal of Immunology*

“Rapid Inspector” Tool is Integral Component of *The JI’s* Electronic Manuscript Submission Process

As of October 1, 2004, *The Journal of Immunology* (*The JI*) began accepting new manuscript submissions exclusively via online submission, using eMTS, *The JI’s* manuscript submission and tracking system.

Authors of revised and accepted manuscripts must test the quality of their digital images using the preflight software **Rapid Inspector**. This step is a requirement of *The JI’s* all-electronic production process. Preflight software is available as a downloadable Java applet by visiting: <http://rapidinspector.cadmus.com/zim>.

The above-referenced website includes detailed instructions on the installation of this application as well as guidelines for solving common problems with digital images. For assistance in using this tool, or in resolving problems that are reported with your images, contact *The JI’s* digital art support team. This is a dedicated helpline for *The JI’s* authors from which you can expect a response within 24 hours. It is available through e-mail and telephone:

E-mail: jidart@cadmus.com
Telephone: 410-691-6211

The helpdesk will guide you through solving your problems with digital art and support you in preparing images for publication.

The NCI Requests Your Advice on Developing a List of Agents with the Highest Potential to Serve as Immunotherapeutic Drugs

There is an ongoing explosion of knowledge in the immunological sciences with the discovery of many agents with the potential to serve as immunotherapeutic drugs. For a variety of reasons, few of these agents are being tested in humans.

The NCI is compiling a list of agents with substantial potential as immuno-therapeutic drugs. The subsequent next step will be to convene an NCI sponsored workshop to develop a priority ranking of the agents on the list, based on submitted evidence of potential for use in cancer therapy. Development of a well-vetted priority ranking based on the likelihood for efficacy in cancer therapy will facilitate subsequent NCI discussions to address the availability of clinical grade immunotherapeutic drugs for human trials.

Please submit suggestions online to:

<https://webapps4.nci.nih.gov/immuno/SubmissionForm.do>

Please include (1) Agent Name, (2) Preclinical Summary, (3) Clinical Summary, if the agent has been in humans, and, (4) Contemplated Usage.

The most valuable additions to the list will be agents with known substantial immunologic or physiologic activity that have not been tested or have not been adequately tested in cancer patients.

The definition of "Immunotherapeutic Drug," for the purpose of inclusion on this list, is an agent that requires participation of or modifies the host immune system for efficacy, e.g., cells, antibodies and other specific targeting agents, vaccines, cytokines, and PAMP (Pathogen-Associated Molecular Pattern) agonists. Many are expected to work by synergizing with or having an additive effect with other immunotherapeutic or small molecule drugs. Some are expected to be very effective in activating or otherwise substantially modifying immune responses with little expectation that the drugs can be efficacious when used alone as monotherapy.

For further information, please contact:
Martin A. "Mac" Cheever, MD
Consultant to DCB & DCTD, NCI
cheeverm@mail.nih.gov

Special Discounts for AAI Member Authors



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For complete details on manuscript submission to *The JI*, please visit www.jimmunol.org or contact *The JI* office at 301-634-7197 or by e-mail to infoji@aai.org.

NIAID Pedigreed Rabbits Seeking New Homes

A largely closed colony of rabbits developed, bred, and characterized at the National Institute of Allergy and Infectious Diseases (NIAID) and currently supported by a contract due to end March 29, 2007, will be distributed to interested individuals, particularly to sites where breeding colonies can be established.

A relational database developed with the computer program 4D contains more than 45 years of breeding records and other information about animals in the colony. The NIAID allotype-defined rabbits have polymorphisms of a variety of genes involved in immunity, including genetic variants (allelic allotypes) of the VH, CH, and CL regions of antibody molecules. The colony also contains descendants of rabbits formerly at the Basel Institute for Immunology that include the VH1a2-deleted Alicia mutants (ali), the CK1 splicing defective Basilea mutants (bas) and several VH-CH recombinant heavy chain types. Also contained are VH-CH recombinants discovered at NIAID (2R1 and 1R2) and the parental (2R1 and b9k) wild-type of the two mutations observed in Basel (ali and bas).

Among the many strains in the colony, those with the b9 kappa light chain allotype have been very useful for many people making high affinity rabbit antibodies directed toward defined epitopes that can be selected by phage display for particular specificities. Rabbits have been used as the starting source of potential humanized therapeutic monoclonal antibodies and of diagnostic reagents because they produce highly specific antibodies with high affinities. When rabbits of b9 type were immunized and recombinant rabbit-human Fab generated by phage display, yields of distinct and specific high affinity Fab increased — see *Popkov, M., et al J. Mol. Biol. 325: 325-335, 2003*. An improved vector and other references can be found in *Hofer, T., et al. J. Immunol.Methods 318: 75-87, 2007*.

The January 2006 document “Increasing sequence coverage from 2x to high coverage (6-7x) for selected mammalian species,” which recommends that rabbit be sequenced more deeply than the current 2x coverage, includes a description of the NIAID Rabbit Resource at p.14. Visit http://www.genome.gov/Pages/Research/Sequencing/SeqProposals/2x-7x_promotion_seq.pdf.

Also of interest are two websites (and links from them) about rabbit resources, one maintained by the National Center for Biotechnology Information (NCBI) — visit <http://www.ncbi.nlm.nih.gov/projects/genome/guide/rabbit/> — and one by NIAID on Rabbit in Immunology & Infectious Disease — visit <http://www3.niaid.nih.gov/research/resources/ri/>. The latter site offers a summary of an NIAID workshop on Rabbit Models of Human Infectious Diseases held in 2005. A second workshop of broader scope is in the planning stage.

For a recent Rabbit Immunoglobulin Genetics review, see: *Mage, R. G. et al: B cell and antibody repertoire development in rabbits: the requirement of gut-associated lymphoid tissues. Develop. Comp. Immunol. 30: 137-153, 2006*.

For a paper describing a group of rabbits being selected and bred for responses to immunization leading to a model of human Systemic Lupus Erythematosus, see: *Rai, G. et al: Models of systemic lupus erythematosus: Development of autoimmunity following peptide immunizations of noninbred pedigreed rabbits. J. Immunol.176: 660-667, 2006*.

For more specific information and to arrange to receive some of these animals please immediately contact:

Rose G. Mage, Ph.D. * Chief, Molecular Immunogenetics Section * Laboratory of Immunology * NIAID, NIH * Building 10, Room 11 N 311 * 10 Center Drive, MSC 1892 * Bethesda, MD 20892-1892 * E-mail: rmage@niaid.nih.gov * Tel.: (301) 496-6113 * Fax.: (301) 496-0222

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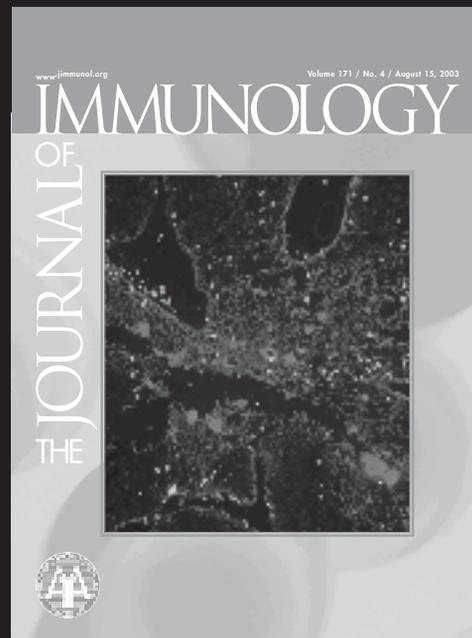
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Editor-in-Chief Robert R. Rich, M.D.
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