

9650 ROCKVILLE PIKE, BETHESDA, MARYLAND 20814-3994

PHONE: 301-530-7178 FAX: 301-571-1816

Web: www.aai.org

THE AMERICAN ASSOCIATION OF
IMMUNOLOGISTS

AAI NEWSLETTER

The following article ran in the "Commentary" section of the January 7, 2000 Chicago Sun-Times.

Porter Fought the Good Fight for Research

The recently approved budget for the National Institutes of Health is a great victory for the health and well-being of the American people. Despite a divided government and a yearlong debate over different priorities, Congress again established biomedical research as an important priority by giving the agency a \$2.3 billion increase for fiscal 2000, its second consecutive \$2 billion-plus boost, putting the agency's total budget at nearly \$18 billion.

One can't say enough about the role that Rep. John E. Porter of Illinois played in securing such a generous increase. Porter chairs the committee in the House of Representatives that considers budgets for spending on health, education and social welfare. He long has been one of the most articulate and untiring spokesmen for increasing federal support of biomedical research.

In 1995, when many lawmakers were vowing to reduce the budget of most government agencies, Porter fought for increased funding for medical research. Instead of cutting the NIH's budget by 5 percent, that year, Congress increased it by 5.7 percent. Again, in September 1997, Porter was the first lawmaker to endorse the concept of doubling the agency's budget by 2003.

Every year since then, the NIH and the scientific community have been able to count on Porter's impassioned and informed leadership in this area. This fall, he again fought vigorously on behalf of the NIH. He understands and he has communicated effectively to his colleagues in both the House and Senate that the investment in research, which Congress has been supporting at the agency for many years, is now returning the expected dividends of progress and is ready to soar.

Also of critical importance in this phenomenal budget increase for the agency was Porter's understanding of the value of fundamental biomedical research. Such research emphasizes understanding the basic processes of nature, such as how a particular gene functions or when and why a cell dies. Scientists who do this kind of research may not be sure where their work will lead, and often the results that prove most valuable are not the ones that the scientists expected to discover.

But such work time and time again has laid the foundation for new drugs and treatments. Our nation's sustained investment in biomedical research has given us longer lives and better health. In addition, the many technological spin-offs have been a great benefit to our economy.

Porter is keenly aware that his championing of government investment in long-term research, where the payoff can be years down the road, carries a political risk. But this year, as in recent years, he was able to convince his colleagues, *"Porter" continued on page 2*

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9650 Rockville Pike
Bethesda, Maryland
20814-3994
Tel: 301-530-7178
Fax: 301-571-1816
Email: infoaai@aai.faseb.org
AAI Homepage:
www.aai.org

Member Services
Tel: 301-530-7195

The Journal of Immunology
Tel: 301-530-7197

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Staff

Director of Public Affairs
Patrick White
fpwhite@aai.faseb.org

Business Manager

Tim Markwood
wtmarkwood@aai.faseb.org

Executive Assistant

Michael W. Cuddy
mwcuddy@aai.faseb.org

Membership Services

Lisa McFadden
members@aai.faseb.org

Publications Specialist

Linda Jean Comley
comley@aai.faseb.org

Senior Administrative Assistant

Pamela Booth
pbooth@aai.faseb.org

Director of Publications (The JI)

Ann M. Link
alink@ji.faseb.org

"Porter" continued from page 1

either through hearings or one-on-one meetings, of the value of such research at the NIH.

Porter's district and Illinois clearly have benefitted from the funding for the agency. (Scientists in his district received about \$5.7 million and investigators in Illinois received about \$425 million.) He is an unwavering proponent of the distribution of research funds on a competitive, peer-reviewed basis. Porter's principled stand on issues involving biomedical research is evident in other areas as well.

He recently announced that he would not seek re-election in 2000. Porter's talents will be missed locally and nationally. His enlightened approach to the need for long-term investment in fundamental biomedical research has set a standard for all elected officials.

The generous budget increase for fiscal 2000 will allow the NIH to initiate many important new projects and to accelerate the rate of medical research. But millions of Americans still are suffering from Alzheimer's disease, arthritis, cancer, diabetes, heart disease, and mental disorders.

We cannot measure in dollars the pain or hardship these illnesses impose on the victims and their families. The financial burden on our society, however, is substantial. Each year, the total economic cost for each one of these diseases far exceeds the budget for the NIH. In 1998, for example, the total economic cost of heart disease in the United States was \$175.3 billion, more than 10 times the size of the 1998 NIH budget.

By all accounts, public support for continued investment in research is strong. We can safely anticipate significant progress toward better health in the future if public leaders like Porter continue their commitment to medical research.

Frank W. Fitch is a professor in the Department of Pathology at the University of Chicago, and a former president of the Federation of American Societies for Experimental Biology. David G. Kaufman, a professor of pathology and laboratory medicine at University of North Carolina Medical School, is the current president of the federation.

FOCUS ON PUBLIC AFFAIRS

The FY2001 budget cycle began in earnest even before the FY2000 package had been finalized in late November. In what may be the last budget cycle in which Republicans control both the House and the Senate, and what is certain to be the last budget request of the Clinton administration, signs are quite favorable for NIH and federal science and technology funding in general. The Administration is expected to request a \$1 billion increase for NIH, far above last year's proposal, and at the urging of Vice President and Presidential candidate Al Gore, Clinton is expected to make S&T funding and policy issues the major focus of his last year in office. As always there are caveats in federal budgeting, and it appears that the Administration intends to transfer as much as 25% of the NIH increase to other HHS activities, but such a large request from the Administration makes it easier for NIH champions in Congress to press for a third-straight, 15% increase for NIH. November's election will produce a new President and could return control of the House to the Democrats and so the outlook for years four and five of the doubling initiative is unclear. In the near-term, however, the outlook for NIH in FY2001 couldn't be much better.

FY2000 Wrap-Up:

Details of NIH's FY2000 \$17.913 billion budget are now final. Highlights include:

- a projection of 32,942 research project grants to be funded in FY2000 (vs. 30,236 in FY99)
- a projection of 8,950 new rpg's in FY2000 (vs. 8565 in FY99)
- the salary cap for investigators will be raised to an inflation-adjusted \$141,300 in FY2000
- an across-the-board cut (an element of the final, congressionally-negotiated package) of \$98 million for the entire NIH budget
- an effort to prevent the delayed obligation of \$3 billion from affecting any new or ongoing research.

Official NIH budget documents will be provided to Congress in the coming weeks, and AAI members should be looking for them posted on the AAI website at www.aai.org.

Immunology 2000

AAI Distinguished Lecturer Series

Once again this year, the AAI is sponsoring the Distinguished Lecturer Series. This series has proven to be very popular, with standing-room only attendance. The lectures will be held Saturday, Sunday, and Monday at 5:00 PM.

R.M. Zinkernagel, M.D., Ph.D.

University Hospital, Zürich, Switzerland

“Against Dogma”

Saturday, May 13

Rolf M. Zinkernagel received his M.D. in 1968 and his Ph.D. in 1975 from the Australian National University in Canberra, Australia. In 1976 Dr. Zinkernagel became an associate member (associate professor) in the Department of Pathology at the Scripps Clinic and Research Foundation, and became a member (full professor) in 1979. During this time, he was also an adjunct associate professor in the Department of Pathology at UCSD. Dr. Zinkernagel left Scripps in 1979 to become an associate professor in the Department of Pathology at the University Hospital in Zürich. He became a full professor there in 1988, and was named to his current position as head of the Institute of Experimental Immunology in 1992.

Dr. Zinkernagel has received numerous honors and awards, most notably the Nobel Prize for Medicine or Physiology in 1996. Others awards include the Lasker Award (1995), the Drew-Novartis Award (1997), and the Reichstein Medaille (1997). Dr. Zinkernagel has also served on a number of editorial boards, including *The Journal of Immunology* (1978-1980), *Cellular Immunology* (1983-present), *Immunology Today* (1992-present), and *Immunity* (1992). Dr. Zinkernagel has been an AAI member since 1977, and was elected an Honorary member in 1993.

T. Honjo, M.D., Ph.D.

Kyoto University Faculty of Medicine, Kyoto, Japan

“Movements of Genes and Cells in the Immune System”

Sunday, May 14

Tasuku Honjo received his M.D. in 1966 and his Ph.D. in 1975 from Kyoto University. After holding positions at the University of Tokyo and Osaka University School of Medicine, Dr. Honjo returned to Kyoto University in 1984, as a professor in the Department of Medical Chemistry. From 1988-1997, he served as the Director for the Center for Molecular Biology and Genetics, and in 1996 he was appointed to his current position as dean. He is also a professor in the Department of Medical Chemistry, and is the Higher Education Adviser for the Ministry of Education, Science, Sports, and Culture of Japan.

Dr. Honjo has received numerous awards and honors, including the Osaka Science Prize (1984), the Takeda Medical Prize (1988), the Behring-Kitasato Prize (1992), and the Imperial Prize and the Japan Academy Prize (1996). Dr. Honjo has served, and still serves, on many editorial boards, including *Current Opinion in Immunology* (1993-present), *Journal of Molecular and Cellular Immunology* (1989-1990), *Science* (1996-present), and *The Journal of Experimental Medicine* (1992-present). Dr. Honjo was elected as an honorary member of the AAI in 1998.

H. von Boehmer, M.D., Ph.D.

Harvard Medical School, Dana Farber Cancer Institute, Boston, MA

“Role of T Cell Receptors in Development, Survival and Lineage Commitment”

Monday, May 15

Harald von Boehmer obtained his M.D. from the University of Munich in 1968 and his Ph.D. from the University of Melbourne in 1974. Dr. von Boehmer is a professor of pathology at Harvard Medical School, Boston, MA. He was elected as an honorary member of the AAI in 1992.

Immunology 2000

Seattle, Washington

May 12-16

Preliminary Program

Friday, May 12

John H. Wallace High School Teachers Program

9 AM-Noon

Chairs: J.R. Schreiber, M.D., M.P.H., Case Western Reserve University, Cleveland, OH
D. Scott, Ph.D., American Red Cross, Rockville, MD

Speakers

K. Brown, Shaker Heights H.S., Cleveland, OH
E.S. Hartline, Kehoe-France School, Metairie, LA
L. Trebasky, John H. Francis Polytechnic H.S., Sun Valley, CA
P. Seymour, University School, Chagrin, OH
M.M. Keyes, Kehoe-France Northshore Sch., Covington, LA
M. Keeth, Blair H.S./Pasadena Unified Sch., Pasadena, CA

Guest Speaker

Nancy Jean Hutchinson, Ph.D.
Program Director, Science Education Partnership
Fred Hutchinson Cancer Research Center, Seattle, WA

NIAID/AAI/CIS Symposium “Contemporary Topics in Immunology”

2-4 PM

Chairs: H.R. Quill, Ph.D., NIAID, NIH, Bethesda, MD
L.L. Lanier, Ph.D., UCSF, CA
T.A. Fleisher, M.D., NIH, Bethesda, MD

Speakers

P. Fink, Ph.D., Univ. of Washington, Seattle, WA
“Do Peripheral T Cells Get a Second Chance at Self Tolerance?”
C.G. Fathman, M.D., Stanford Univ. Sch. Med., Stanford, CA
“Retroviral Mediated Gene Therapy for the Treatment of Autoimmune Diseases”
V.A. Boussiotis, M.D., Dana Farber Cancer Inst., Boston, MA
“T Cell Tolerance: From Biochemistry to In Vivo Biology”
L.A. Turka, M.D., Univ. of Penn. Sch. Med., Philadelphia, PA
“Requirement for Peripheral Clonal Deletion in the Induction of Transplantation Tolerance”

AAI Presidential Address

5-6 PM

R.M. Perlmutter, M.D., Ph.D., Merck Research Laboratories, Rahway, NJ

AAI 2000 Public Service Award

6 PM

Presented by R.M. Perlmutter, M.D., Ph.D., Merck Research Laboratories, Rahway, NJ

UTSW Texas Party

Sponsored by the Huang Foundation

8-11 PM

Saturday, May 13

Major Symposium A: “Molecular Mechanisms of Lymphoid Organogenesis”

8 AM-Noon

Chair: J.D. Sedgwick, Ph.D., DNAX Res. Inst., Palo Alto, CA
Co-chair: D.D. Chaplin, M.D., Ph.D., Washington University, St. Louis, MO

Speakers

R.E. Mebius, Ph.D., Vrije Universiteit, Amsterdam, The Netherlands
“Cellular and Molecular Processes in the Development of the Immune System”
D.D. Chaplin, M.D., Ph.D., Washington Univ., St. Louis, MO
“Regulation of Secondary Lymphoid Tissue Structure and Function By Lymphotoxin”
Y. Yokota, M.D., Ph.D., Kyoto Univ., Kyoto, Japan
“Role of Id2 in Organogenesis of Peripheral Lymphoid Organs”
D.R. Littman, M.D., Ph.D., NY Med. Ctr., New York, NY
“Role of the Orphan Nuclear Receptor ROR α in Lymphoid Organogenesis”
J.G. Cyster, D.Phil., UCSF, CA
“Chemokines and Cell Migration in Lymphoid Organs”
J.D. Sedgwick, Ph.D., DNAX Research Institute, Palo Alto, CA
“An Analogous Function for TNF in Lymphoid Organogenesis and Inflammation”

Major Symposium B: “In Vivo T Cell Dynamics”

8 AM-Noon

Chair: P.D. Greenberg, M.D., Univ. of Washington, Seattle, WA
Co-chair: A. McMichael, John Radcliff Institute for Molecular Medicine, Oxford, England, UK

Speakers

P.D. Greenberg, M.D., Univ. of Washington, Seattle, WA
A. McMichael, John Radcliff Institute for Molecular Medicine, Oxford, England, UK
“Monitoring the T Cell Response to Virus Infections in Humans”
J.M. McCune, M.D., Gladstone Institute of Virology & Immunology, UCSF
“T Cell Turnover in HIV-1 Disease”
M.K. Jenkins, Ph.D., University of Minnesota, Minneapolis, MN
“Tracking the Migration of CD4 T Cells in the Whole Body During a Primary Immune Response”
J.D. Altman, Ph.D., Emory University, Atlanta, GA
“Generation and Maintenance of T Cell Memory”

AAI Education Committee Symposium: “So You Want to Work with Undergraduates?”

10:15 AM-12:30 PM

Chair: J.A. Owen, Ph.D., Haverford College, Haverford, PA

Panel

R. Goldsby, Ph.D., Amherst College, Amherst, PA
L. Foote, Ph.D., Merrimack College, North Andover, MA
J. Manske, Ph.D., Col. of St. Thomas, St. Paul, MN

**Society For Leukocyte Biology (SLB) Symposium:
“Mechanisms of Extracellular Signal Integration in the
Regulation of Leukocyte”**

10:15 AM-12:15 PM

Chair: T.A. Hamilton, Ph.D., Cleveland Clinic Foundation,
Cleveland, OH

Speakers

- C. Biron, Ph.D., Brown Univ., Providence, RI
*“Interferons and Interferon Signaling in Shaping NK and
T Cell Responses to Viral Infections”*
- S.M. Wahl, Ph.D., NICDR, NIH, Bethesda, MD
“TGF- β in the Life and Death Decisions of T Lymphocytes”
- T.A. Hamilton, Ph.D., Cleveland Clinic Fdn., Cleveland, OH
*“Mechanisms of Anti-Inflammatory Cytokine Action in
Control of Macrophage Gene Expression”*
- S.N. Vogel, Ph.D., USUHS, Bethesda, MD
*“Signal Integration in Endotoxin Stimulated Mononuclear
Phagocytes”*

**AAI Committee on the Status of Women Symposium:
“Gender, Genes and Autoimmunity”**

12:15-2:15 PM

Supported through an unrestricted educational grant from the Juvenile Diabetes
Foundation, International

Chair: P. Kavathas, Ph.D., Yale University School of Medicine,
New Haven, CT

Speakers

- Introduction: C.C. Whitacre, Ph.D., Ohio State University,
Columbus, OH
*“Gender Differences in Autoimmune Diseases: What are
the Issues”*
- R. Voskuhl, Ph.D., UCLA, Los Angeles, CA
*“Sex Hormones in Experimental Autoimmune
Encephalomyelitis”*
- J.L. Nelson, M.D., Fred Hutchinson Cancer Research Center,
Seattle, WA
*“Fetal and Maternal Microchimerism: Implications for
Autoimmune Disease”*
- S. Wong, Ph.D., Yale Univ. Sch. of Medicine, New Haven, CT
*“Gender Issues and Autoantigens in Type 1 Diabetes
Mellitus”*

Special Symposium: “The Immunology of Aging”

12:30-2:30 PM

Chair: R.J. Hodes, M.D., National Institute on Aging, NIH,
Bethesda, MD

Speakers

- Introduction: R.J. Hodes, M.D., National Institute on Aging,
NIH, Bethesda, MD
- B.D. Jamieson, Ph.D., UCLA, Los Angeles, CA
“Thymopoiesis in the Human Adult”
- E. Rothenberg, Ph.D., CA Institute of Tech., Pasadena, CA
*“Gene Expression Programs for Generating T-lineage
Precursor Cells”*
- S.L. Swain, Ph.D., Trudeau Institute, Saranac Lake, NY
*“Defect in Aged CD4 T Cells Impacts Primary Response and
Memory”*

- R. Miller, M.D., Ph.D., Univ. of Michigan, Ann Arbor, MI
“Activation Defects in T Cells From Old Mice”
- L. Rudolph, Dana-Farber Cancer Institute, Boston, MA
“Cancer and Aging in the Telomerase Deficient Mouse”
- H. Chen, Ph.D., University of Alabama, Birmingham, AL
*“Defective Activation-Induced Cell Death in Pre-Senescent
T Cells”*

AAI-PharMingen Investigator Award Lecture

Awardee will be announced in early 2000

2:30-3:30PM

**CIS Symposium: “Controversial Topics in Immunology T-
Cell Reconstitution: Role of the Thymus”**

2:30-4:30 PM

Supported through an unrestricted educational grant from Agouron
Pharmaceuticals

Co-chairs: S. Bridges, Ph.D., NIAID/NIH, Bethesda, MD
A. Landay, Ph.D., Rush-Presbyterian-St. Luke's Medical
Center, Chicago, IL

Speakers

- C.L. Mackall, M.D., National Cancer Institute, Bethesda, MD
*“Immune Reconstitution in Thymic-Deficient Hosts:
Critical Factors”*
- B.F. Haynes, M.D., Duke Univ. Medical Center, Durham, NC
*“Human Thymic Function in Aging, AIDS and Myesthenia
Gravis: Effects on the Pheripheral T Cell Pool”*
- J.M. McCune, M.D., Gladstone Institute of Virology &
Immunology, San Francisco, CA
“Thymic Function in HIV-1 Disease”
- M.D. Cooper, M.D., HHMI, Birmingham, AL
S. Strober, M.D., Stanford Univ. Sch. Medicine, Stanford, CA
*“Rapid T Cell Reconstitution Using Committed T Cell
Progenitors from the Bone Marrow”*

CIS Symposium: “Mucosal Immunology”

2:30-4:30 PM

Co-sponsored by CIS and the Society for Mucosal Immunology
Chair: C.O. Elson, M.D., Univ. of Alabama-Birmingham

Speakers

- C.O. Elson, M.D., Univ. of Alabama-Birmingham
“Introduction to IBD in Man and Mouse”
- C.T. Weaver, M.D., Univ. of Alabama-Birmingham
“Effector and Regulatory T Cells in Experimental IBD”
- F. Cominelli, M.D., Ph.D., Univ. of VA Health & Science
Center, Charlottesville, VA
“TNF α Overexpression and Murine Ileitis”
- S.R. Targan, M.D., Cedars Sinai Medical Ctr., Los Angeles, CA
*“Anti-TNF α Therapy in Crohn's Disease: Mechanisms and
Effects”*
- C.O. Elson, M.D., Univ. of Alabama-Birmingham
“Closing Remarks”

**CIS Symposium: “Cytokine/Chemokine Regulation of
Immune Responses in the Central Nervous System”**

2:30-4:30 PM

Co-sponsored by CIS and the International Society for
Neuroimmunology

Chair: E. Benveniste, Ph.D., Univ. of Alabama-Birmingham

Speakers

- E. Benveniste, Ph.D., Univ. of Alabama-Birmingham
"Glial Cells As Immunoregulatory Cells in the Central Nervous System"
- J.P.-Y. Ting, Ph.D., UNC, Chapel Hill, NC
- J.P. Antel, M.D., Montreal Neurological Institute, Canada
"Role of Microglia in Regulating Immune Activity Within the CNS"
- W.J. Karpus, Ph.D., Northwestern Univ. Med. Sch., Chicago, IL
"Chemokine Regulation of T Cell Migration in Autoimmune Encephalomyelitis"

CIS Symposium: "Diagnostic Dilemmas in Primary Immunodeficiency"

2:30-4:30 PM

- Supported through an unrestricted educational grant from Bayer Corporation
Co-sponsored by CIS and the Pan American Group for Immunodeficiency (PAGID)
Co-chairs: M. Berger, M.D., Ph.D., Rainbow Babies & Children's Hospital, Cleveland, OH
A. Condino-Neto, M.D., Ph.D., State Univ. of Campinas Medical School, Campinas, Sao Paulo, Brazil
R.U. Sorensen, M.D., Louisiana State Univ. Medical Center, New Orleans, LA

International Society for NeuroImmunoModulation (ISNIM) Symposium: "Dr. Jekyll and Mr. Hyde: Immune System Involvement in Post-Traumatic CNS Protection and Repair"

2:45-4:45 PM

Chair: M. Schwartz, Ph.D., The Weizmann Institute of Science, Rehovot, Israel

Speakers

- M. Schwartz, Ph.D., The Weizmann Institute of Science, Rehovot, Israel
"Introduction: Immune Activity in the Traumatized CNS: A Blessing or a Curse?"
- M. Schwartz, Ph.D., The Weizmann Institute of Science, Rehovot, Israel
"Benign Autoimmune T Cells are Beneficial for Post-Traumatic Neuroprotection in the Central Nervous System"
- H. Wekerle, M.D., Max Planck Institute of Neurobiology, Munich, Germany
"Activated Human T Cells, B Cells, and Monocytes Produce Brain-derived Neurotrophic Factor In Vitro and In Inflammatory Brain Lesions: A Neuroprotective Role of Inflammation?"
- I. Cohen, M.D., The Weizmann Institute of Science, Rehovot, Israel
"Physiological Autoimmunity"
- W. Young, Ph.D., M.D., Neuroscience Center, Rutgers University, New Brunswick, NJ
"Immune Modulation Following Spinal Cord Injury: From the Bench to the Clinic"
- J. Bethea, Ph.D., University of Miami, Miami, FL
"IL-10 As A Double-Edged Sword in CNS Trauma"

International Society for Interferon and Cytokine Research (ISICR) Symposium: "Genomics, Proteomics, Microarrays, and Systems Biology: Welcome to the 21st Century in Seattle"

2:45-4:45 PM

Chair: M.G. Katze, Ph.D., Univ. Washington, Seattle, WA

Speakers

- Introduction: M.G. Katze, Ph.D., Univ. Washington, Seattle, WA
S. Fields, Ph.D., Univ. of Washington, Seattle, WA
"Genomic Approaches to Protein Function Using Protein Arrays"
- R. Aebersold, Ph.D., Univ. of Washington, Seattle, WA
"Quantitative Proteome Analysis: Technology and Applications"
- S.H. Friend, President, Rosetta Inpharmatics, Kirkland, WA
"Developing a Matrix Approach to Monitoring the Circuitry of Immunomodulation Using DNA Microarrays"
- L.E. Hood, M.D., Ph.D., Univ. of Washington, Seattle, WA
"Systems Approaches to Cancer and Immunity"

International Society for Developmental and Comparative Immunology (ISDCI) Symposium: "Immunity From An Evolutionary Perspective: Receptors, Signals, and Effectors"

2:45-4:45 PM

Chair: N. Cohen, Ph.D., Univ. Rochester, Rochester, NY

Speakers

- N. Cohen, Ph.D., Univ. Rochester, Rochester, NY
"Welcome and Introduction"
- E.S. Loker, Ph.D., Univ. of New Mexico, Albuquerque, NM
"The Invertebrates: Opportunities and Insights Awaiting Immunobiologists"
- Z. Pancer, Ph.D., CA Inst. of Tech., Pasadena, CA
"Individual Specific Repertoires of Immune Cells Receptors in the Purple Sea Urchin"
- R. Lehrer, M.D., UCLA, Los Angeles, CA
"Anti-microbial Peptides: Past, Present and Future"
- C.A. Janeway, Jr., M.D., Yale Univ. Sch. Med., New Haven, CT
"The Toll Pathway to Host Defense in Invertebrates, Vertebrates and Plants"

AAI-Huang Foundation Meritorious Career Award Lecture

Awardee will be announced in early 2000

3:30-4:30 PM

AAI Distinguished Lecture: "Against Dogma"

Supported through an unrestricted educational grant from the Huang Foundation
5-6 PM

R.M. Zinkernagel, M.D., Ph.D., Univ. Hos., Zurich, Switzerland

CIS Reception-Presidential Symposium-Business Meeting

Reception: 6-7:30 PM

Presidential Symposium: 7:30-8:30 PM

Chair: A. Saxon, M.D.

- R. Effros, Ph.D., Dorothy Dillon Eweson Lecture, UCLA School of Medicine, Los Angeles, CA
"Telomere/Telomerase Dynamics in Memory T Cells: Lessons from Aging and AIDS"

R. Parkman, M.D., Children's Hospital of LA, Los Angeles, CA
Post-Immune Reconstitution Following Hematopoietic Stem Cells Transplantation

Business Meeting: 8:30-9:00 PM

Sunday, May 14

Major Symposium C: "The TNF Receptor Family: Guardians of the Immune System"

8 AM-Noon

Supported through an unrestricted educational grant from the Immunex Corp.

Chair: R.J. Noelle, Ph.D., Dartmouth Medical College, Lebanon, NH

Co-chair: M.R. Kehry, Ph.D., Boehringer Ingelheim Pharmaceuticals, Ridgefield, CT

Speakers

R.J. Noelle, Ph.D., Dartmouth Medical College, Lebanon, NH
"CD40 Signaling in Biology in Control of Cell Mediated Immunity"

M.R. Kehry, Ph.D., Boehringer Ingelheim Pharmaceuticals, Ridgefield, CT
"Biochemical Mechanism of CD40 Signaling Through TRAF Proteins"

M. Croft, Ph.D., La Jolla Institute for Allergy and Immunology, San Diego, CA
"Ox-40 Regulation of Primary CD4 T Cell Responses and Memory Development"

D.M. Hilbert, Ph.D., Human Genome Sciences, Inc.
"The Biological Profile of a Novel B Lymphocyte Stimulator, BLYS"

Major Symposium D: "Nuclear Events Shaping Lymphocyte Development"

8 AM-Noon

Chair: L.H. Glimcher, M.D., Harvard School of Public Health, Boston, MA

Co-chair: K.M. Murphy, M.D., Ph.D., Washington University, St. Louis, MO

Speakers

G.R. Crabtree, Ph.D., Stanford Univ. Sch. of Med., Stanford, CA
"Signaling Through Ca²⁺, Calcineurin and NF-AT in Lymphocyte Development and Activation"

C. Simon, Ph.D., University of Pennsylvania, Philadelphia, PA
"Signaling Pathways Regulating Lymphoid and Myeloid Development"

K.M. Murphy, M.D., Ph.D., Washington Univ., St. Louis, MO
"Instruction Versus Selection in T Helper Cell Commitment"

L.H. Glimcher, M.D., Harvard Sch. of Public Hlth., Boston, MA
"Transcription Factors in T Helper 1 Cells"

C. Murre, Ph.D., University of California at San Diego, CA
"Helix-Loop-Helix Proteins in Lymphocyte Development"

J. Leiden, M.D., Ph.D. Harvard Sch. Public Hlth., Boston, MA
"Transcriptional Regulation of T Cell Quiescence by LKLF"

PsychoNeuroImmunology Research Society (PNIRS)

Symposium: "Shared Activities of Hormones and Cytokines"

10:15 AM-12:15 PM

Chair: K.W. Kelley, Ph.D. University of Illinois, Urbana, IL

Speakers

K.W. Kelley, Ph.D. University of Illinois, Urbana, IL

"TNF Silences Survival Signals of Neurons"

E. Ruscetti, M.D., National Cancer Institute, NIH, Bethesda, MD

"IGF-I Mediated Protection Against the Direct Cytopathic Effects of HIV-1 Infection of Human Lymphocytes in Vitro"

W.A. Banks, M.D., St. Louis Univ. Sch. Med., St. Louis, MO

"Transport of Cytokines Across the Blood-Brain Barrier"

E. Sternberg, M.D., NIMH, NIH, Bethesda, MD

"Genetic Analyses of Animal Models of Differential Inflammatory Resistance and Neuroendocrine Responsiveness"

C.C. Whitacre, Ph.D., Ohio State University, Columbus, OH

"Neuroendocrine Modulation of CNS Autoimmune Disease"

V.M. Sanders, Ph.D., Loyola Univ. Medical Ctr., Maywood, IL

"Neuromodulation of T Cell-Dependent Antibody Production"

AAI Business Meeting and Awards Presentation

12:15-2:15 PM

Awards to be presented:

- Excellence in Mentoring
- Pfizer-Showell Travel Award
- Huang Foundation Trainee Achievement Awards

NIH Grantwriting Workshop

12:30-2:30 PM

CIS Symposium: "Immunobiology of Hematopoietic Cell Transplantation"

2:30-4:30 PM

Chair: J.A. Hansen, M.D., Fred Hutchinson Cancer Center, Seattle, WA

CIS Symposium: "Immunity to Latent/Chronic Viral Infections"

2:30-4:30 PM

Chair: K.A. Smith, M.D., Cornell Univ. Med. Coll., NY, NY

Speakers

F. Chisari, M.D., Scripps Research Institute, La Jolla, CA

"Innate and Acquired Immunity to HBV"

J.M. Blattman, Emory University, Atlanta, GA

G. Franchini, M.D., National Cancer Institute, Bethesda, MD

"Therapeutic Use of a Recombinant Attenuated Pox Virus Vaccine in SIV-Infected Macaques"

K.A. Smith, M.D., Cornell Univ. Med. Coll., NY, NY

"The Generation of Immunity to HIV"

CIS Symposium: "Novel Approaches in the Treatment of Autoimmune Diseases"

2:30-4:30 PM

Chair: G.C. Tsokos, M.D., Walter Reed Army Institute of Research, Washington, D.C.

Speakers

Introduction: G.C. Tsokos, M.D., Walter Reed Army Institute of Research, Washington, D.C.

- D. Wofsy, M.D., UCSF
“*Disruption of Costimulation in the Treatment of Autoimmune Diseases*”
- L. Morreland, Univ. of Alabama, Birmingham, AL
“*Cytokines in the Treatment of Autoimmune Diseases*”
- R.J. Quigg, M.D., Univ. of Chicago, Chicago, IL
“*Use of Complement Activation Inhibitors in the Treatment of Autoimmune Diseases*”
- G. Firestein, M.D., UC - San Diego, La Jolla, CA
“*Gene Therapy in the Treatment of Autoimmune Diseases*”

Society for Natural Immunity (SNI) Symposium: “Role of NK and NK/T Cells in Infectious Diseases”

2:45-4:45 PM

Chairs: R.M. Welsh, Ph.D. UMass. Med. Sch., Worcester, MA
M. Kronenberg, Ph.D., La Jolla Inst. Allergy and Immunology,
La Jolla, CA

Speakers

- R.M. Welsh, Ph.D., Univ. of Mass. Med. Sch., Worcester, MA
“*NK and NK/T Cell Responses to Viral Infections*”
- H. Farrell, Animal Health Trust, New Market, UK
“*Role of the Murine Cytomegalovirus-encoded MHC Class I Homologue in Evasion of Host NK Cell Responses*”
- G. Cohen, Ph.D., Massachusetts Gen. Hosp., Charlestown, MA
“*Class I Down Modulation and Immune Evasion by HIV-1*”
- M. Kronenberg, Ph.D., La Jolla Inst. Allergy and Immunology,
La Jolla, CA
“*CD1 and NK/T Cell-mediated Immune Responses to Microbial and Self Antigens*”
- B. Sim, Ph.D., Scripps Research Institute, La Jolla, CA
“*Regulation of the Immune Response to Cytomegalovirus by Lymphotoxin and NK/T Cells*”
- M. Exley, Beth Israel Hospital, Boston, MA
“*CD1-reactive T Cells in Encephalomyocarditis Virus Infection*”

AAI Distinguished Lecture: “Movements of Genes and Cells in the Immune System”

5-6 PM

T. Honjo, M.D., Ph.D. Kyoto Univ. Faculty of Med., Kyoto,
Japan

Immunology 2000 Gala

7-10 PM

Benaroya Symphony Hall, Seattle

Sponsored by **BD Biosciences**, San Diego, CA

Monday, May 15

Major Symposium E: “Taking a Toll on the Road to Adaptive Immunity”

8 AM-Noon

Chair: C.A. Janeway, Jr., M.D., HHMI-Yale Univ., New Haven,
CT

Co-chair: K.V. Anderson, Ph.D., Sloan-Kettering Institute for
Cancer Research, NY, NY

Speakers

- R. Medzhitov, Ph.D., Yale Univ. Sch. of Med., New Haven, CT
“*Toll Receptors in Mammalian Immunity*”

- K. Anderson, Ph.D., Sloan-Kettering Inst. for Can. Res., NY, NY
“*Toll Signaling Pathways in the Drosophila*”
- M. Carroll, Ph.D., Harvard Medical School, Boston, MA
“*Regulation of B Lymphocyte Responses to Foreign and Self-Antigens by Innate Immunity*”
- R.M. Locksley, M.D., UCSF, CA
“*Setting the Cytokine Repertoire: How Do Naive T Cells Know What to Become?*”
- A. Ezekowitz, M.D., D.Phil., Mass. Gen. Hospital, Boston, MA
“*Pattern Recognition Molecules in Innate Immunity*”
- S. Akira, M.D., Research Institute for Microbial Diseases,
Osaka University, Japan
“*Role of Toll-like Receptors in Microbial Recognition: Analysis of Knockout Mice Lacking TLR2, TLR4, and MyD88*”

Major Symposium F: “Recombination Mechanisms for VDJ Joining and Ig Class Switch”

8 AM-Noon

Chair: A.L. Kenter, Ph.D., University of Illinois, Chicago, IL
Co-chair: D.G. Schatz, Ph.D., HHMI-Yale Univ., New Haven,
CT

Speakers

- A.L. Kenter, Ph.D., University of Illinois, Chicago, IL
“*Evidence for Isotype Specific Factors in Switch Recombination*”
- D.G. Schatz, Ph.D., HHMI - Yale University, New Haven, CT
“*Peering into the Active Site of the RAG Proteins*”
- J.E. Haber, Ph.D., Brandeis University, Waltham, MA
“*Mechanisms of End-joining and Other Types of Illegitimate Recombination*”
- P. Cortes, Ph.D., Mt. Sinai School of Medicine, New York, NY
“*Towards a Molecular Understanding of V(D)J Recombination: RAGs and Coding Ends Processing*”
- M.R. Lieber, M.D., Ph.D., UCLA, CA
“*Mechanistic Differences Between V(D)J and Class Switch Recombination*”

Special Symposium: “Mechanisms of Immune Privilege in Pregnancy”

Supported through an unrestricted educational grant from Serono Laboratories,
Inc.

10 AM-Noon

Chair: J.S. Hunt, Ph.D., Univ. of Kansas Medical Center,
Kansas City, KS

Co-chair: J.W. Pollard, Ph.D., Albert Einstein College of
Medicine, NY, NY

Speakers

- J.W. Pollard, Ph.D., Albert Einstein College of Med., NY, NY
“*Trophoblast Acts as a Member of the Innate Immune System During Pregnancy*”
- M.P. Piccinni, Ph.D., University of Florence, Italy
“*Th1 and Th2 Cells in Pregnancy*”
- D. Munn, M.D., Medical College of Georgia, Augusta, GA
“*Placental Tryptophan Metabolism: Molecular Mechanism of T Cell Immunoregulation via Tryptophan Depletion*”

J.S. Hunt, Ph.D., University of Kansas Medical Center, Kansas City, KS

“Placental Immune Privilege and the TNF Superfamily”

American Society for Histocompatibility and Immunogenetics (ASHI) Symposium: “HLA-Structure, Function and Clinical Implications in Transplantation Biology”

10:15 AM-12:15 PM

Chair: E.W. Petersdorf, M.D., Fred Hutchinson Cancer Research Center, Seattle, WA

Speakers

P. Parham, Ph.D., Stanford Univ. Sch. Med., Stanford, CA

“Immunogenetics of Natural Killer Cell Receptors”

P. Terasaki, Ph.D., UCLA, Los Angeles, CA

“The Humoral Response to Organ Transplants”

E.W. Petersdorf, M.D., Fred Hutchinson Cancer Research Center, Seattle, WA

“Immunogenetics of Stem Cell Transplantation”

AAI Presidential Symposium and Lifetime Service Award Presentation

2-4:30 PM

Chair: R.M. Perlmutter, M.D., Ph.D., Merck Research Laboratories, Rahway, NJ

Speakers

M.M. Davis, Ph.D., HHMI, Stanford University, Stanford, CA

F. Alt, Ph.D., Children’s Hospital, Boston, MA

B. Seed, Ph.D., Massachusetts General Hospital, Boston, MA

CIS Symposium: “Immunology of Atherosclerotic Heart Disease”

2:30-4:30 PM

Supported through an unrestricted educational grant from Pharmacyclics, Inc.

Chair: D.C. Adelman, M.D., Pharmacyclics, Inc. Sunnyvale, CA

Speakers

P. Libby, M.D., Harvard Medical School, Boston, MA

“Inflammation, Immunity, and Atherosclerosis”

J.R. Bender, M.D., Yale Univ. Sch. Med., New Haven, CT

“The Role of Lymphocytes and Cytokines on the Genesis of Atherosclerosis”

D. Simon, M.D., Brigham & Women’s Hospital, Boston, MA

“The Role of Inflammation in Vascular Injury and Repair”

R.C. Robbins, M.D., Stanford University, Stanford, CA

“Reduction of Accelerated Atherosclerosis with Motexafin Lutetium in Rodent Graft Models”

CIS Symposium: “Monitoring Bone Marrow Transplantation”

2:30-4:30 PM

Supported through an unrestricted educational grant from Pharmacia &

Upjohn, Diagnostics Division

Co-sponsored by CIS and the Association of Medical Laboratory Immunologists

Co-chairs: C.L. Burek, Ph.D., (CIS), Johns Hopkins Univ. Sch. of Med., Sch. of Hygiene/Public Hlth., Baltimore, MD

M. O’Gorman, Ph.D. (AMLI), Northwestern Univ. Medical School, Chicago, IL

Speakers

S.D. Rowley, M.D., Fred Hutchinson Can. Res. Ctr., Seattle, WA
“Hematopoietic Stem Cell Components: Processing and Regulation”

D.R. Sutherland, The Toronto Hospital, Oncology Research, Dept. of Medicine, Toronto, Ontario

“Counting CD34+ Cells Accurately in the Stem Cell Transplant Setting: Does Subset Analysis Better Predict Engraftment Than Total Viable CD34+ Cells”

M. Loken, Ph.D., HematioLogics, Inc. Bellevue, WA

A.D. Donnenberg, Ph.D., Bone Marrow Transplant Program, Univ. of Pittsburgh Cancer Institute, Pittsburgh, PA

“Assessment of Immune Reconstitution After Stem Cell Transplantation”

CIS Symposium: “New Concepts of Immunopathogenesis and Treatment of Type I Diabetes”

2:30-4:30 PM

Supported through an unrestricted educational grant from the Juvenile Diabetes Foundation International

Chair: G.S. Eisenbarth, M.D., B. Davis Center for Child

Diabetes, Univ. of Colorado Hlth. Science Ctr., Denver, CO

Speakers

G.S. Eisenbarth, M.D., B. Davis Center for Child

Diabetes, Univ. of Colorado Hlth. Science Ctr., Denver, CO

“Immunogenetics, Immunoprediction and Antigen Based Preventive Therapy”

J.A. Bluestone, Ph.D., Univ. of Chicago, Chicago, IL

“Immunotherapy for Disease Prevention”

D.M. Harlan, M.D., NIDDK, Bethesda, MD

“Islet Cell Transplantation: Past, Present and Future?”

L. Teyton, M.D., Ph.D., Scripps Research Institute, La Jolla, CA

“Structural Link Between MHC Molecules and Immune Diabetes”

Society for Mucosal Immunology (SMI) Symposium

2:45-4:45 PM

AAI Distinguished Lecture: “Role of T Cell Receptors in Development, Survival and Lineage Commitment”

5-6 PM

H. von Boehmer, M.D., Ph.D., Harvard Med. Sch., Boston, MA

Tuesday, May 16

Major Symposium G: “Adaptors and Kinases: Linking Immune Signaling to Disease”

8 AM-Noon

Chair: A. C-Y Chan, M.D., Ph.D., HHMI, Washington Univ., St. Louis, MO

Co-chair: A. Rao, Ph.D., Harvard Medical School, Boston, MA

Speakers

Introduction

“Tribute to Matt Thomas”

L. Samelson, M.D., DBS-NCI-NIH, Bethesda, MD

“Signaling Through Immunoreceptors”

- A. Rao, Ph.D., Harvard Medical School, Boston, MA
"Regulation of NFAT by Phosphorylation and Dephosphorylation"
- C. Terhorst, Ph.D., Harvard Medical School, Boston, MA
"The X-Linked Lymphoproliferative Disease Gene Product SAP Regulates T Cell Signal Transduction Through A Novel Mechanism"
- L.L. Lanier, Ph.D., UCSF, CA
"Activating NK Cell Receptor Complexes"
- A. C-Y Chan, M.D., Ph.D., Washington Univ. School of Medicine, St. Louis, MO
"Signaling Mechanisms of Lymphocyte Function"

Major Symposium H: "Dendritic Cells"

8 AM-Noon

Chair: J. Banchereau, Ph.D., Baylor University, Dallas, TX

Co-chair: Y-J Liu, M.D., Ph.D., DNAX Res. Inst, Palo Alto, CA

Speakers

- J. Banchereau, Ph.D., Baylor University, Dallas, TX
"Dendritic Cells: Biology and Therapeutic Potential"
- Y-J Liu, M.D., Ph.D., DNAX Research Institute, Palo Alto, CA
"Directing T Cell Responses by Human Dendritic Cell Subsets"
- C. Maliszewski, Ph.D., Immunex Corp., Seattle, WA
"Molecular Manipulation of Dendritic Cell Expansion and Function: From Discovery to the Clinic"
- M. Pope, Ph.D., Rockefeller University, New York, NY
"Presentation of Simian Immunodeficiency Virus by Dendritic Cells: Immune Activation Versus Virus Replication"
- I. Mellman, Ph.D., Yale Univ. Sch. of Med., New Haven, CT
"Mechanisms of Antigen Processing and Presentation by Dendritic Cells"

CIS Symposium: "Controversial Topics in HIV"

8:00-10:00 AM

Co-chairs: C.H. June, M.D., Naval Medical Research Institute, Bethesda, MD

M.M. Lederman, M.D., University Hospitals of Cleveland, Cleveland, OH

Speakers

- L. Picker, M.D., UT Southwestern Medical Center, Dallas, TX
- S.L. Swain, Ph.D., Trudeau Institute, Saranac Lake, NY
- T. Finkel, M.D., Ph.D., Children's Hospital of Philadelphia, PA
- E.S. Rosenberg, M.D., Mass. Gen. Hospital, Boston, MA

DAILY BLOCK SYMPOSIA

Approximately 15 abstract-derived block symposia will be presented daily, in three time slots (8:00 AM, 10:15 AM, 2:30 PM), in the following 19 AAI and CIS topic categories:

- | | |
|--------------------------------------|------------------------------|
| B Lymphocytes | T Lymphocytes |
| Mucosal and Regional Immunology | MHC and Antigen Presentation |
| Cytokines | Tumor Immunology |
| Natural Killer Cells and Macrophages | Immediate Hypersensitivity |
| | Microbial Immunology |

- | | |
|--|-----------------------|
| Leukocyte Adhesion, Migration and Inflammation | Immunology Education |
| Complement and Immunoglobulins | HIV |
| Autoimmunity | Transplantation |
| Allergy and Asthma | Immunodeficiency |
| Immunotherapy | Diagnostic Immunology |

DAILY GUEST SOCIETY SYMPOSIA

The following are the participating guest societies:

- International Society of NeuroImmunoModulation (ISNIM)
- American Society for Histocompatibility and Immunogenetics (ASHI)
- International Society for Interferon and Cytokine Research (ISICR)
- International Society for Developmental and Comparative Immunology (ISDCI)
- Society for Leukocyte Biology (SLB)
- Society for Natural Immunity (SNI)
- American Association of Veterinary Immunologists (AAVI)
- PsychoNeuroImmunology Research Society (PNIRS)
- Association of Medical Laboratory Immunologists (AMLI)
- International Society of Neuroimmunology (ISNI)
- Society for Mucosal Immunology (SMI)

SUMMER RESEARCH OPPORTUNITIES WANTED!

AAI is looking for summer research opportunities in order to help undergraduate students. If you are willing to host a summer intern, please send the following information to comley@aai.faseb.org:

- name
- e-mail address
- fax and/or phone number
- URL of personal Web page if available
- how you would like to be contacted about this opportunity

Please include pertinent information regarding the program, i.e., should an applicant apply first to your institutional internship program or directly to you; whether this is a paid or volunteer internship position; etc. Please also include a one-sentence description of your research topic.

This information will be included in a future electronic registry on the AAI Education Committee Web page of potential summer opportunities.

Members in the News

Edwin L. Cooper, Ph.D., Awarded Alexander von Humboldt Prize

Edwin L. Cooper, Ph.D., professor at the UCLA School of Medicine, has been awarded the Alexander von Humboldt Prize by the Federal Republic of Germany. The prize is awarded to senior scientists in recognition of past research and teaching accomplishments.

Dr. Cooper's current focus is on utilizing the earthworm's immune system to: search for molecules responsible for lysis of foreign cells; and search for the receptor involved in changes induced in the earthworm's immune system by exposure to xenobiotics.

Dr. Cooper is the founding editor in chief (1977) of the international journal *Developmental and Comparative Immunology*, and served as the second president of the International Society of Developmental and Comparative Immunology. He has been an active pioneer in analyzing the immune systems of invertebrates, fish, amphibians, and reptiles, in effect linking interests of zoologists and immunology, and creating the discipline of comparative immunology. He is a member of the British Society of Immunology, the Societe Francaise d'Immunologie, and the Society of Invertebrate Pathology. Dr. Cooper has been an AAI member since 1972.

William A. Kuziel, Ph.D. Receives the 1999 Lyndon Baines Johnson Research Award

William A. Kuziel, Ph.D., researcher and assistant professor at the University of Texas, Austin, was presented with the 1999 Lyndon Baines Johnson Research Award from the American Heart Association Texas Affiliate. Dr. Kuziel is the principal investigator for the project "Role of the Chemokine Receptor CCR5 in Atherosclerosis". This project explores the complex disease process by which the build up of cells and fat in blood vessel walls result in the formation of atherosclerotic plaques and leads to heart attack and stroke.

The Lyndon Baines Johnson Award, named for former President Johnson, was established in 1976 to recognize "the outstanding research projects in Texas towards the eradication of cardiovascular disease." Dr. Kuziel has been an AAI member since 1998.

AAI is interested in the achievements of its membership. Please let us know if you have recently received an honor or award, been elected as a member to a prominent society, or have conducted media interviews. Send the information, with a short biography and photo (and a copy of the article/tape for media interviews) to:

Members in the News
 American Association of Immunologists
 9650 Rockville Pike ♦ Bethesda, MD 20814
 Email: comley@aai.faseb.org

THE AMERICAN ASSOCIATION OF IMMUNOLOGISTS

9650 ROCKVILLE PIKE ♦ BETHESDA, MD 20814-3994

TEL: (301) 530-7178 ♦ FAX: (301) 571-1816

FEDERAL TAX ID NO: 04-2281787

Email Address: members@aai.faseb.org ♦ Website Address: http://www.aai.org

**QUALIFICATIONS AND APPLICATION FOR REGULAR MEMBERSHIP
2000 MEMBERSHIP YEAR**

The American Association of Immunologists (AAI) is a professional organization whose members have a strong interest in, and have made substantial contributions to, the science of immunology. AAI is a member of the Federation of American Societies for Experimental Biology (FASEB) and is responsible for the publication of *The Journal of Immunology*. To be eligible for election to membership in the AAI, a candidate must meet **one** of the following criteria:

1. Possess a Ph.D., (or equivalent graduate degree, *e.g.*, D.Sc.) in immunology or related disciplines, or an M.D. (or equivalent medical degree, *e.g.*, D.D.S.) and be the **first** author of **one** significant original publication on an immunological topic in a reputable, refereed journal. Manuscripts "in press" are acceptable when accompanied by a letter from the publisher or Editor-In-Chief of the journal affirming its acceptance and imminent publication. Abstracts and unpublished papers **will not** be considered in evaluating whether a candidate meets the publications requirement for membership. The requirement for the Ph.D./M.D. can be waived in certain circumstances if the candidate shows evidence of other appropriate training and research experience.
2. Be an established scientist with substantial achievement in a related discipline and have at least one collaborative paper on an immunological topic in a reputable, refereed journal.

THIS APPLICATION MUST INCLUDE:

1. Four copies of your bibliography and curriculum vitae.
2. The name and signature of an active AAI member as your reference.

NAME: _____

DEGREE (YEAR) & INSTITUTION: _____

PUBLICATION: _____

CURRENT TITLE/ POSITION: _____

ADDRESS: _____

STREET: _____

CITY: _____ STATE: _____ ZIP CODE: _____

E-MAIL ADDRESS: _____

PHONE#: () _____ FAX#: () _____

RESEARCH SPECIALTY: _____

REFERENCE:

NAME OF AAI MEMBER (*please print clearly*): _____

SIGNATURE OF AAI MEMBER: _____

Applications should be mailed to the AAI office and marked to the attention of the Chair of the AAI Membership Committee. Please **DO NOT** send payment with your application. You will be invoiced upon approval.

Application Review Deadlines

Applications are to be received in the AAI office by:

March 31	June 30
September 30	December 31

2000 Dues Rates: 1 January - 31 December: **U.S. - \$225.00 Canadian - \$323.00 International - \$315.00**

THE AMERICAN ASSOCIATION OF IMMUNOLOGISTS

9650 ROCKVILLE PIKE • BETHESDA, MD 20814-3994

TEL: (301) 530-7178 • FAX: (301) 571-1816

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Email Address: members@aai.faseb.org • Website Address: http://www.aai.org

2000 TRAINEE MEMBERSHIP APPLICATION FORM

Name: _____ Email Address: _____

Address: _____

City: _____ State: _____ Zip Code: _____

Phone Number: () _____ Fax Number: () _____

Students and Post-Doctoral Trainees may become Trainee members of the AAI. Trainee members will receive a subscription to *The Journal of Immunology* and the *AAI Newsletter*. **Subscriptions will start upon receipt of your application and end on December 31 of the current year.** Trainee members will also have the privilege of attending and participating (without vote) in the AAI Annual Business Meeting. In addition, they will receive all AAI announcements and correspondence.

Qualified applicants must complete the information below and return this form with the required payment. Checks are to be made payable to *The American Association of Immunologists*. All checks must be drawn on a U.S. bank and International money orders are accepted.

Individuals may remain Trainee members for a maximum of eight (8) years. Certification **must** be renewed annually.

PRE-DOCTORAL TRAINEE

I hereby certify that _____

(Please print clearly)

is a regularly matriculated *student* in the Department of _____

at _____
(University or Institution)

and as such is eligible to become a Pre-Doctoral Trainee member of the AAI.

(Signature- must be an AAI member)

Name _____
(Please print clearly)

Title _____
(Dean, Department Chair or Professor in Charge)

Date _____

POST-DOCTORAL TRAINEE

I hereby certify that _____

(Please print clearly)

is a post-Doctoral Trainee in the Department of _____

at _____
(University or Institution)

and as such is eligible to become a Post-Doctoral Trainee member of the AAI.

(Signature- must be an AAI member)

Name _____
(Please print clearly)

Title _____
(Dean, Department Chair or Professor in Charge)

Date _____

PLEDGE

I _____, pledge that the copies of the *THE JOURNAL OF IMMUNOLOGY* received by me as an AAI Trainee member are for my personal use. They will not be placed in a library for general use, sold, or replace a subscription currently purchased by an institution.

1 JANUARY - 31 DECEMBER 2000

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Canadian Member

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International Member

\$154.00

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VISA

MASTERCARD

CARD NUMBER: _____ EXPIRATION DATE: _____

SIGNATURE: _____

TO HELP REDUCE OUR CREDIT CARD PROCESSING FEES, WE WOULD APPRECIATE YOUR PAYMENT BY CHECK.

MEETING ANNOUNCEMENTS

MARCH

5-9 *4th Decennial International Conference on Nosocomial and Healthcare-Associated Infections* will be held in Atlanta, GA. The conference is sponsored by the CDC, and cosponsored by the Assoc. for Professionals in Infection Control and Epidemiology, the Nat. Fnd. for Infectious Dis., and the Soc. for Healthcare Epidemiology of America. **Contact:** 4th Decennial Conference, 6220 Montrose Road, Rockville, MD 20852.

Phone: 301-984-9450 ♦ Fax: 301-984-9441

Email: info@decennial.org

Web: www.decennial.org

15-19 *John Humphrey Course on Self-Tolerance and Self-Recognition* will be held in Sinaia, Romania. The course is organized by the European Federation of Immunological Societies, and the Romanian Society for Immunology. **Contact:** Prof. Dr. Eugen Carasevici, Dept. of Immunology, Gr. T. Popa Univ. of Medicine and Pharmacy, Laboratory of Tumour Immunology, Bd. Independentei Nr. 1, 660 Iasi, Romania.

Phone/Fax: 40 32 213212

Email: cara@asklepios.urnfiasi.ro

18-19 *Advances in the Diagnosis and Treatment of Primary Immunodeficiency Diseases: Risk of Cancer* will be held at the Omni Shoreham Hotel, Washington, D.C. **Contact:**

John F. Finerty, Ph.D. Tel. (301) 496-1037

Allan Lock, Ph.D. Tel: (301) 496-5541

Marshall Plaut, M.D. Tel: (301) 496-8973

29-Apr. 1 *ASBMT Annual Meeting* will be held in Anaheim, CA.

Contact: IBMTR/ABMTR Statistical Center, Medical College of Wisconsin, 8701 Watertown Plank Road, Milwaukee, WI 53226.

Fax: 414-456-6530

Web: www.asbmt.org

APRIL

30-May 2 *Third Annual Conference on Vaccine Research: Basic Science-Product Development-Clinical and Field Studies* will be held at the Renaissance Hotel Washington, in Washington, D.C.

Sponsored by the Nat. Foundation for Infectious Diseases, in collaboration with: the Centers for Disease Control and Prevention, NIAID, International Society for Vaccines, Albert B. Sabin Vaccine Institute at Georgetown Univ., Center for Biologics Evaluation and Research of the U.S. Food and Drug Admin., U.S. Dept. Of Agriculture, World Health Organization.

Contact: Kip Kantelo, National Foundation for Infectious Diseases, 4733 Bethesda Ave., Suite 750, Bethesda, MD 20814.

Phone: 301-656-0003, x19 ♦ Fax: 301-907-0878

Email: kkantelo@nfid.org

Web: www.nfid.org/conferences/vaccine00

MAY

3-5 *6th National Symposium: Basic Aspects of Vaccines*, sponsored by the Walter Reed Army Institute, will be held at the

USUHS, Bethesda, MD. **Abstract Deadline: March 31.**

Contact: Conference Secretariat, Department of Membrane Biochemistry, Walter Reed Army Inst. of Res., Washington, D.C., 20307-5100.

Phone: 301-319-9462 ♦ Fax: 301-319-9035

Email: symposium@na.amedd.army.mil

Web: wrair-www.army.mil/symposia/dmbsym.htm

11-12 *Soluble MHC, Immunoregulation, and Tolerance* will be held at the Monona Terrace® Convention Center, Madison, WI.

Contact: Cathy Means, Office of Continuing Medical Education, University of Wisconsin, 2715 Marshall Court, Madison, WI 53705.

Email: cjmeans@facstaff.wisc.edu

Web: www.surgery.wisc.edu/sMHCIT

12-16 *AAI Annual Meeting* will be held in Seattle, WA. **Contact:** AAI, 9650 Rockville Pike, Bethesda, MD 20814.

Phone: 301-530-7010 ♦ Fax: 301-530-7014

Email: gswindle@osmc.faseb.org

Web: www.faseb.org/meetings/aa2000

17 *Class II Antigen Presentation from Bench to Bedside: The Legacy of Donald Pious* will be held at the University of Washington, Seattle, WA. Chairs: Gerald Nepom, Alexander Rudensky, and Christopher Wilson. **Contact:**

Christopher B. Wilson, M.D.

Email: cbwilson@u.washington.edu

Barbara Lovseth

Email: barblov@u.washington.edu

Phone: 206-543-1010 ♦ Fax: 206-616-4561

14-18 *8th International Congress on Tumor Necrosis Factor and Related Cytokines* will be held in Trondheim, Norway. **Contact:** 8th International TNF Congress, Terje Espevik, Ph.D., Institute of Cancer Research and Molecular Biology, Medisinsk Teknisk Senter, N-7489 Trondheim, Norway.

Phone: 47 73598668 ♦ Fax: 47 73598801

Email: terje.espevik@medisin.ntnu.no

Web: gensgi1.unigen.ntnu.no/tnf2000/

17-20 *The Psychoneuroimmunology Research Society Meeting* will be held in Cape Fear, Wilmington, NC.

Web: www.pnirs.org

20-25 *ISAC XX International Congress* will be held in Le Corum, Montpellier, France. **Contact:** Julie Theander, ISAC

Headquarters, 60 Revere Drive, Suite 500, Northbrook, IL 60062.

Phone: 847-205-4722 ♦ Fax: 847-280-9282

Email: jtheander@isac-net.org

Web: www.isac-net.org

24-25 Mucosal Injury in Cancer Patients will be held in Bethesda, MD. **Contact:** M. Knasas, Division of Oral Medicine, Brigham and Women's Hospital, 75 Francis St., Boston, MA 02115.

Phone: 617-732-6813 ♦ Fax: 617-232-8970
Email: mknasas@rics.bwh.harvard.edu

26-June 1 The 6th International Symposium on Dendritic Cells will be held in Port Douglas, Queensland, Australia.

Contact: Jill Van Es, The Walter and Eliza Hall Institute of Medical Research, PO Royal Melbourne Hospital, Victoria 3050, Australia.

Phone: 61 3 9345 2530 ♦ Fax: 61 3 9347 0852
Email: dc2000@wehi.edu.au
Web: www.wehi.edu.au/dc2000

27-29 9th International Conference on Behçet's Disease, sponsored by the International Study Group on Behçet's Disease will be held in Seoul, Korea. **Contact:** Dongsik Bang, MD, PhD, Dept. Of Dermatology, Yonsei University College of Medicine, C.P.O. Box 8044, Seoul, Korea.

Phone: 82 2 313 4485 ♦ Fax: 82 2 393 9157
Email: yderm@yumc.yonsei.ac.kr

JUNE

4-8 11th International Conference on Advances in Prostaglandin and Leukotriene Research: Basic Science and New Clinical Applications will be held in Florence, Italy. The conference is being organized by the Giovanni Lorenzini Foundation.

Contact: PGs 2000, Giovanni Lorenzini Medical Foundation, 6565 Fannin, M.S. A-601, Houston, TX 77030-2704.

Phone: 713-797-0401 ♦ Fax: 713-796-8853
Email: ajackson@bcm.tmc.edu

18-21 11th International Symposium on Infections in the Immunocompromised Host, sponsored by the International Immunocompromised Host Society, will be held at the World Trade & Convention Center, Halifax, Nova Scotia. **Contact:** ICHS Secretariat, 3224 Brooksong Way, Dacula, Georgia 30019.

Phone: (770) 271-8817 ♦ Fax: (770) 271-3317
Email: wsnow@bellsouth.net or rmsnow@bellsouth.net

18-23 FASEB Summer Research Conference on Neural Immune Interactions in Injury and Disease: Pathways to Therapy will be held at Copper Mountain, CO. Chairs: Etty (Tika) Benveniste and Michal Schwartz. 30 Category I CME credit hours can be earned. **Contact:** FASEB Summer Research Conferences, 9650 Rockville Pike, Bethesda, MD 20814-3998.

Fax: (301) 571-0650
Email: ahewitt@faseb.org
Web: www.faseb.org/meetings

20-24 7th Workshop and Conference on Human Leucocyte Differentiation Antigens will be held at the Harrogate International Centre, Harrogate, U.K. **Contact:** Secretariat, Triangle 3 Ltd. (HLDA7), Triangle House, Broomhill Road, London, SW18 4HX. U.K.

Phone: 44 208 875 2400 ♦ Fax: 44 208 875 2421

Email: triangle3@immunology.org
Web: www.hlada.org

24-29 FASEB Summer Research Conference on Lymphocytes and Antibodies will be held in Saxtons River, Vermont. Chairs: J. Bluestone and L.J. Berg. **Contact:** FASEB Summer Research Conferences, 9650 Rockville Pike, Bethesda, MD 20814-3998.

Fax: (301) 571-0650
Email: ahewitt@faseb.org

JULY

1-6 FASEB Summer Research Conference on The Tetraspanin Superfamily will be held in Snowmass Village, Colorado.

Chairs: S. Levy, W. Havran, M. Wright, and P. Munk. **Contact:** FASEB Summer Research Conferences, 9650 Rockville Pike, Bethesda, MD 20814-3998.

Fax: (301) 571-0650
Email: ahewitt@faseb.org

2-7 FASEB Summer Research Conference on Receptors and Signal Transduction will be held at Copper Mountain, Colorado.

Chairs: J. Dixon and A. Weiss. **Contact:** FASEB Summer Research Conferences, 9650 Rockville Pike, Bethesda, MD 20814-3998.

Fax: (301) 571-0650
Email: ahewitt@faseb.org

3-5 HLA-G 2000 will be held in Paris, France. The conference is divided in two parts: one consecrated on the Preparative G and E Workshop and the second on presentations and discussions of latest findings. **Contact:** Caroline DUPUY, Medical Director, Fondation Marcel Mérieux, 17, rue Bourgelat, 69227 Lyon cedex 02, France.

Phone: 33 (0) 4 72 40 79 55 ♦ Fax: 33 (0) 4 72 40 79 50
Email: HLA-G@asi.fr

Web: www.fond-merieux.org

8-12 The American Society for Virology 19th Annual Scientific Meeting sponsored by the Colorado State University will be held in Fort Collins, CO. **Contact:** Dr. Sidney E. Grossberg, Secretary-Treasurer, American Society for Virology, Dept. Of Microbiology and Molecular Genetics, Medical College of Wisconsin, 8701 Watertown Plank Road, Milwaukee, WI 53266-0509.

Phone: 414-456-8104 ♦ Fax: 414-456-6566
Email: segrossb@mcw.edu
Web: www.mcw.edu/asv/meetings.html

8-13 FASEB Summer Research Conference on Signal Transduction in the Immune System will be held in Saxtons River, Vermont. Chairs: C. Rudd and L.E. Samelson. **Contact:** FASEB Summer Research Conferences, 9650 Rockville Pike, Bethesda, MD 20814-3998.

Fax: (301) 571-0650
Email: ahewitt@faseb.org

23-27 The International Complement Workshop XVIII will be held at the Snowbird Ski and Summer Resort in Salt Lake City, UT. **Contact:** Conferences & Institutes, Rm 2174, 1901 East South Campus Dr., Salt Lake City, UT 84112-9359.

Phone: 801-581-5809 ♦ Fax: 801-581-3165
Email: confer@admin.dce.utah.edu
Web: conferences.utah.edu/complement/index.html

AUGUST

5-10 FASEB Summer Research Conference on Cytokines and Lipid Mediators: Biosynthesis and Actions in Health and Diseases will be held in Saxtons River, Vermont. Chairs: P. Borgeat and T.J. Williams. **Contact:** FASEB Summer Research Conferences, 9650 Rockville Pike, Bethesda, MD 20814-3998.
Fax: (301) 571-0650
Email: ahewitt@faseb.org

23-27 The 31st Scandinavian Meeting for Immunology and 16th Summer School will be held in Majvik, Finland. **Contact:** Meeting Secretariat, SSI2000 Meeting, c/o Congrex/Blue & White Conferences Oy, P.O. Box 81, FIN-00371, Helsinki, Finland.
Phone: 358 9 5607 500 ♦ Fax: 358 9 5607 5020
Email: ssi2000@bluewhiteconferences.fi

SEPTEMBER

17-20 Eurotox 2000 will be held at the Imperial College of Science, Technology and Medicine, London, UK. **Contact:** EUROTOX 2000 Secretariat, Congress House, 65 West Drive, Cheam, Sutton, Surrey, SM2 7NB, UK.
Phone: 44 181 661 0877 ♦ Fax: 44 181 661 9036
Email: info@conforg.com

19-20 The CREST International Symposium on Immunoglobulin-Like Receptors will be held in Sendai, Japan. **Contact:** Prof. T. Takai, Dept. Exp. Immunol., IDAC, Tohoku Univ., Sendai 980-8575, Japan.
Fax: 81 22 717 8505
Email: tostakai@idac.tohoku.ac.jp
Web: www.idac.tohoku.ac.jp/expimu/index.html

24-28 11th Meeting of the International Society of Differentiations, Inc. Will be held in Australia on Queensland's Gold Coast. This meeting is being jointly held with the 7th International Congress on Cell Biology and the 19th meeting of the Australia and New Zealand Society for Cell and Developmental Biology.
Email: celldiff@icmsaust.com.au
Web: www.celldiff.unsw.edu.au/Home.html

FUTURE MEETINGS

Mar. 8-11, 2001 Europa Atherosclerosis Society Workshop on the Immune System in Atherosclerosis will be held in Geneva, Switzerland. **Contact:** Secretariat, European Atherosclerosis, P.O. Box 50006, Tel Aviv 61500, Israel.
Phone: 972 3 51400 18/9 ♦ Fax: 972 3 5175674
Email: immune@kenes.com

Mar. 31-Apr. 4, 2001 EB '2001 will be held in Orlando, FL. **Contact:** EB '2001, 9650 Rockville Pike, Bethesda, MD 20814.
Phone: 301-530-7010 ♦ Fax: 301-530-7014
Email: eb@faseb.org
Web: www.faseb.org/meetings

Jul. 21-25, 2001 The American Society for Virology 20th Annual Scientific Meeting sponsored by the University of Wisconsin-Madison will be held in Madison, WI. **Contact:** Sidney E. Grossberg, Secretary-Treasurer, American Society for Virology, Dept. of Microbiology and Molecular Genetics, Medical College of Wisconsin, 8701 Watertown Plank Rd., Milwaukee, WI 53226-0509.
Phone: 414-456-8104 ♦ Fax: 414-456-6566
Email: segrossb@mcw.edu
Web: www.mcw.edu/asv/meetings.html

Jul. 22-28, 2001 11th International Congress of Immunology, organized by the Scandinavian Society for Immunology, will be held in Stockholm, Sweden. **Contact:** Stockholm Convention Bureau, ICI 2001, P.O. Box 6911, SE-102 39 Stockholm, Sweden.
Phone: 46 8 736 15 00 ♦ Fax: 46 8 34 84 41
Email: ici2001@stocon.se
Web: www.ici2001.utu.fi

Feb. 20-24, 2002 3rd International Congress on Autoimmunity will be held in Geneva, Switzerland. **Contact:** Prof. Yehuda Shoenfeld, 3rd International Congress on Autoimmunity, P.O. Box 50006, Tel Aviv 61500, Israel.
Phone: 972 3 5140018/9 ♦ Fax: 972 3 5172484
Email: autoim02@kenes.com

Apr. 20-24, 2002 EB '2002 will be held in New Orleans, LA. **Contact:** EB '2002, 9650 Rockville Pike, Bethesda, MD 20814.
Phone: 301-530-7010 ♦ Fax: 301-530-7014
Email: eb@faseb.org
Web: www.faseb.org/meetings

Jul. 7-12, 2002 XIVth World Congress of Pharmacology sponsored by the International Union of Pharmacology, the National Academy of Sciences, U.S.A., and the American Society for Pharmacology and Experimental Therapeutics, will be held in the Moscone Convention Center, San Francisco, CA. **Abstract deadline is January 31, 2002.** **Contact:** Congress Secretariat, XIVth World Congress of Pharmacology, 9650 Rockville Pike, Bethesda, MD 20814-3995.
Phone: 301-530-7061
Email: juphar@aspet.faseb.org
Web: www.iuphar.org

NIH Publishes Draft Guidelines

The National Institutes of Health (NIH) announced the publication of the "Draft National Institutes of Health Guidelines for Research Involving Human Pluripotent Stem Cells". These guidelines were published in the December 2, 1999 issue of the Federal Register. The guidelines recommend procedures to help ensure that NIH-funded research in this area is conducted in an ethical and legal manner.

The guidelines may be accessed at:
www.nih.gov/news/stemcell/draftguidelines.htm

AAI Mentors for High School Teachers Needed

AAI is looking for members willing to serve as mentors in the John H. Wallace High School Teachers Program. The program is offered each summer through AAI, in conjunction with the National Institutes of Health. The primary objective of the program is to help support teaching excellence at the secondary school level. This program provides support for middle and high school teachers to work in the laboratories of AAI members for a four-week period, coupled with 1-2 two weeks of curriculum development. It also provides travel funds to attend a teacher's workshop at the AAI annual meeting.

The goal of the program is to give science teachers the opportunity to participate in a hands-on research experience in immunology. This experience is intended to acquaint the teacher with modern research tools and techniques, and to allow them to bring the excitement of research to their classrooms. In addition, the fellowship program helps to establish long-term associations between science teachers and the research community. Women and minority teachers, and teachers in school systems with a high minority enrollment, are especially encouraged to apply for this fellowship.

These grants provide a unique opportunity for AAI members to have a direct impact on science education in their local school districts.

For application materials or questions, please contact:

AAI Teacher Fellowship
c/o Dr. John Schreiber
Division of Infectious Diseases
Rainbow Babies and Children's Hospital
Case Western Reserve University
11100 Euclid Avenue
Cleveland, OH 44106
Email: jrs3@po.cwru.edu

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