



The American Association of Immunologists

JULY/AUGUST 2012



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Cover Image:
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See page 3 for details.

AAI Research Advocacy Program Brings Five Key Advocacy Partners to IMMUNOLOGY 2012

AAI hosted its third Research Advocacy Program (RAP) on May 7, 2012, at the IMMUNOLOGY 2012 meeting in Boston. The RAP supports the attendance of policy leaders from relevant patient advocacy organizations and foundations at a special program, which provides them opportunity to learn about basic immunology, meet and hear from leading researchers, discuss policy issues of mutual concern, and develop relationships with AAI and each other.

This year, AAI was pleased to host representatives from the American Academy of Pediatrics; the Asthma and Allergy Foundation of America; The Lymphatic Research Foundation; the Society for Women's Health Research; and Zero, the Project to End Prostate Cancer.

The fact that this year's RAP participants had diverse advocacy goals and strategies allowed for an interesting discussion. The program featured presentations on basic immunology by members of the AAI CPA. The speakers (Clifford Harding, M.D., Ph.D., Introduction to the Immune System; Susanna Greer, Ph.D., Overreactions of the Immune Response; Lori Covey, Ph.D., Harnessing the Immune System to Fight Cancer;

The Senate Appropriations Committee approved its fiscal year (FY) 2013 appropriations (funding) bill for the Departments of Labor, Health and Human Services, Education, and Related Agencies (Labor-HHS) on June 14, 2012, by a vote of 16-14, on a party line vote (Democrats for, Republicans against). The bill includes \$30.723 billion for NIH, a \$100 million increase over last year's level, and \$100 million over President Obama's budget request (which would have "at-funded the agency). The Committee's vote follows action by the Senate Labor-HHS Appropriations Subcommittee, which approved a similar bill with the same overall NIH funding level.

FOCUS ON PUBLIC AFFAIRS

The relevant committees in the House of Representatives have not yet considered a Labor-HHS bill for FY 2013. Any such bill will have to comply with spending levels previously adopted as a Budget Resolution by the House Budget Committee and agreed to by the full House on March 29, 2012. The House Budget Resolution caps FY 2013 discretionary spending at \$1.028 trillion, \$19 billion below the level agreed upon in last year's Budget Control Act (debt-ceiling agreement).

Although the House Budget Resolution does not specify how the cuts would be allocated, White House Office of Management and Budget Acting Director Jeffrey Zients has said that the House cuts (\$897 billion over 10 years), if distributed equally across the budget, would greatly harm science. According to Zients, investments in science, medical research, space, and technology would be cut by more than \$100 billion over the next decade. The number of new grants from NIH for promising research projects would shrink by more than 1,600 in 2014 and by over 16,000 over a decade, potentially curtailing or slowing research to fight Alzheimer's disease, cancer, and AIDS.

After the Senate and House each finalize their own bills, a compromise bill will have to be approved by both chambers before the bill can become law.

Rockey analyzed NIH data from 1998 to 2011 to determine if obtaining a certain degree increases one's chances of getting NIH funding and if those with certain degrees fare better at specific types of institutions. The NIH data show that M.D. scientists are funded at a slightly higher rate than Ph.D. scientists. For example, in 2011, the funding rate for M.D. scientists was 26.3 percent, and the funding rate for Ph.D. scientists was 23.9 percent. Researchers with both an M.D. and a Ph.D. fared even better, with a funding rate of 27.1 percent in 2011. According to Rockey, this trend has been largely consistent over the last 14 years.

When broken down by institution, the NIH data show a similar slight advantage for those with an M.D. or M.D. and Ph.D. at higher education institutions and independent hospitals, though Ph.D. scientists hold a notable funding-rate advantage at research institutes. Further, medical schools, which as a group receive the highest percentage of NIH funding, have nearly equal funding rates for M.D. and Ph.D. scientists.

New Federal Government Policy on Dual Use Research

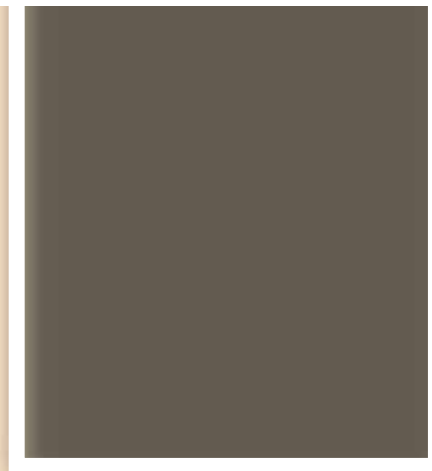
On March 29, the NIH Office of Biotechnology Activities released a new government-wide policy on "dual use research of concern" (DURC), defined by the National Science Advisory Board for Biosecurity as "research that, based on current understanding, can be reasonably anticipated to provide knowledge, products, or technologies that could be directly misapplied by others to pose a threat to public health or safety, agricultural crops and other plants, animals,

Shimon Sakaguchi, M.D., Ph.D., AAI •90

Sakaguchi received his M.D. from Kyoto University, Japan, and trained as a pathology resident at Kyoto University Medical School (KUMS), visiting investigator at the Laboratory of Experimental Pathology, Aichi Cancer Center Research Institute (Nagoya), and senior research fellow at KUMS• Institute for Immunology. He subsequently obtained his Ph.D. from Kyoto University, focusing on experimental autoimmune disease research. He completed postdoctoral fellowships in immunology/ infectious diseases and in biophysics at Johns Hopkins University and served as a visiting scientist in immunology and rheumatology at Stanford University. He was appointed assistant professor in the Immunology Department at the Scripps Research Institute in 1989.

In 1992, Sakaguchi returned to Japan as a Japan Science and Technology Agency investigator at RIKEN Institute (Tsukuba) and later headed the Immunopathology Department at Tokyo Metropolitan Institute of Gerontology. From 1999 to 2011, he served as professor and chair of the Experimental Pathology Department at Kyoto University•s Institute for Frontier Medical Sciences; from 2007 to 2011, he served as the institute•s director. In 2011, Sakaguchi assumed his current appointment as a professor in the Department of Experimental Immunology, Immunology Frontier Research Center, Osaka University.

The National Academy of Sciences is a private organization of scientists and engineers dedicated to the furtherance of science and its use for the general welfare. It was established in 1863 by a congressional act of incorporation signed by Abraham Lincoln, to serve as an official adviser to the federal government on matters of science or technology. NAS members are selected in recognition of their distinguished and continuing achievements in original research in science and engineering. Additional information about the Academy and its members is available online at www.NASonline.org.



AAI Entry is Among First FASEB Bio-Art Competition Winners

An AAI-submitted image took honors in the “rst annual FASEB Bio-Art competition. The image, one used on the March 1, 2010, cover of *The Journal of Immunology* (The JI), was selected as one of the 10 winning entries in the FASEB contest. Viewed in conjunction with the supporting nontechnical statement, the submission was deemed by judges to be •both visually arresting and [to] clearly communicate a cutting edge biomedical science concept” to general audiences.

The image is of tissue from a colon biopsy stained for Sigirr and other cellular components. Accompanying the image is text explaining that therapeutic targeting of Sigirr could be useful in the treatment of in”ammatory bowel disease or other in”ammatory disorders of the gastrointestinal tract.

The JI covers are selected from among articles published in each issue. The article yielding the winning image from *The JI* was by AAI members Xiaoxia Li (AAI •09) and Bruce A. Vallance (AAI •10) and their co-authors Mohammed Khan, Theodore S. Steiner, Ho Pan Sham, Kirk S. Bergstrom, Jingtian T. Huang, Kiran Assi, Bill Salh, and Isabella T. Tai.

To view the winning images, visit www.faseb.org/Scientific-Image-Competition/Winners.aspx.

Contest-winning images were displayed before members of Congress at FASEB•s centennial celebration on May 16 and will be featured on the NIH website and main campus.

Despite the uncertainty surrounding the cause of influenza, the lethality of the 1918 outbreak lent particular urgency to the question of prevention, and a number of investigators worked to develop a vaccine against the disease. During the height of an influenza epidemic occurring in New Orleans in the fall of 1918, Charles W. Duval and William H. Harris of Tulane University vaccinated approximately five thousand individuals with a chloroform-killed *B. influenzae* preparation.⁶ They reported that only 3.3 percent of those vaccinated developed influenza, compared with 41 percent of the unvaccinated control group. Duval and Harris concluded that, although the number of vaccinated persons was few, the results were interesting and significant from the standpoint of prophylaxis. In New York City, Park, in collaboration with other

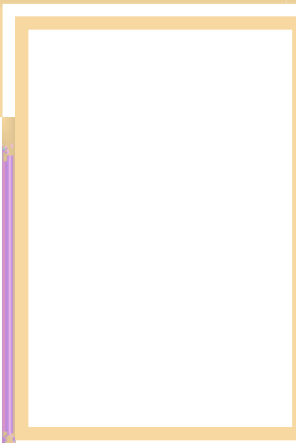
AAI Education Committee & AAI Committee on the Status of Women,,
Careers in Science Lecture & Roundtable

Olja Finn delivering keynote
address, •Make an effort! A path to a
rewarding life in scienceŽ (at right)
and joining the Research Careers in
Academia

AAI Career Development Sessions

(Continued)

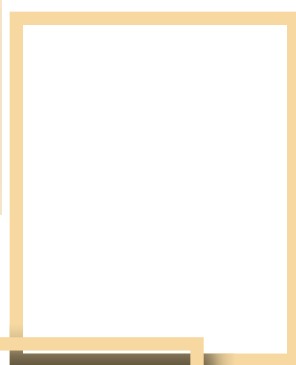
AAI Minority Affairs Committee
Careers and Networking Roundtable



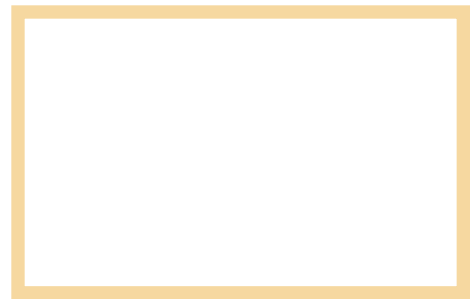
Above left: MAC Roundtable attendees discussing career issues; above right: MAC table leader Charles Egwuagu, who also delivered the AAI Minority Affairs Committee Guest Lecture (Regulation of autoreactive lymphocytes that mediate CNS autoimmune diseases)



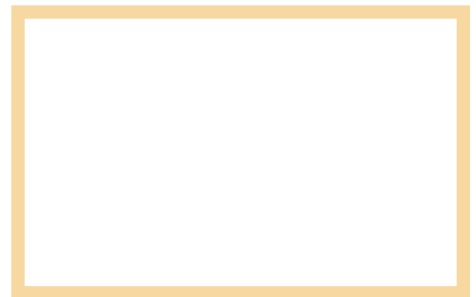
Attendees at the sold out Careers in Biotech
Panel Discussion and Networking Reception



Careers in Biotech session panelists Andy Kokaji, Art Tzianabos,
Olivia Schneider, Chris Schwab

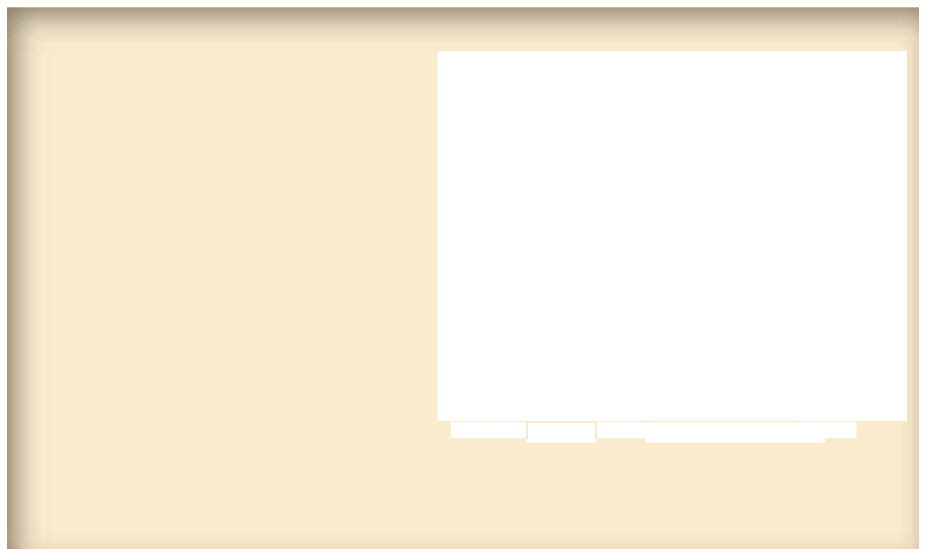


Instructor Derek Haseltine providing
individual counseling following the How to
Convert Your CV into a Resumé careers session



Attendees at the Secrets to a Successful
Postdoc workshop





GRANT AND AWARD DEADLINES

July 31,,American Association for the Advancement of Science (AAAS) Mentor Awards

Description

The two categories of the AAAS Mentor Awards (Lifetime Mentor Award and Mentor Award) both honor individuals who, during their careers, demonstrate extraordinary leadership to increase the participation of underrepresented groups in science and engineering “elds and careers. These groups include: women of all racial or ethnic groups; African American, Native American, and Hispanic men; and people with disabilities.

Prize/Award

A prize of \$5,000 is awarded to the Lifetime Mentor Award recipient, who will have served in the role of mentor for 25 or more years. A prize of \$5,000 is awarded to the Mentor Award recipient, who will have served in the role of mentor for less than 25 years.

Eligibility

The award is open to all, regardless of nationality or citizenship. Nominees must be living at the time of their nomination.

Nomination

Nominations are accepted by e-mail submission and must be received by July 31.

Details: www.aaas.org/aboutaaas/awards/mentor

Contact: gboulin@aaas.org or ygeorge@aaas.org

July 31,,The Wiley Prize in Biomedical Sciences

Description

The Wiley Prize in Biomedical Sciences is intended to recognize breakthrough studies in pure or applied life science research that are distinguished by excellence and originality and impact on our understanding of biological systems and processes. The award may recognize a speci“c contribution or series of contributions that demonstrate the nominee’s significant leadership in the development of research concepts or their clinical application. Particular emphasis will be placed on research that champions novel approaches and challenges accepted thinking in the biomedical sciences.

Prize/Award

Presented annually, this international award consists of a \$35,000 prize and a luncheon in honor of the recipient. The recipient delivers an honorary lecture as part of The Rockefeller University Lecture Series.

Eligibility

The Wiley Foundation invites and encourages the nomination of exceptional scientists or research teams whose research has set the standard for excellence. International nominations are encouraged.

Nomination

Nominations, which should be submitted by someone other than the nominee, are accepted by mail or e-mail submission and must be received by July 31.

Details: www.wiley.com/WileyCDA/Section/id-390111.html

Contact: prizesubmissions@wiley.com

August 1,,AAAS Kavli Science Journalism Awards

Description

The AAAS Kavli Science Journalism Awards represent the pinnacle of achievement for professional journalists in the science writing “eld. Since 1945, the awards have recognized outstanding reporting for a general audience and honored individuals (rather than institutions, publishers, or employers) for their coverage of the sciences, engineering, and mathematics.

Prize/Award

The award for each category is \$3,000 and includes reimbursement for AAAS annual meeting travel and hotel expenses to attend the prize presentation.

Eligibility

Winning journalists are those who have helped foster the public’s understanding and appreciation of science. Journalists and their entries are selected based on scienti“c accuracy, initiative, originality, clarity of interpretation, and value in fostering public understanding of science.

Nomination

Nominations are accepted by mail and must be received by August 1.

Details: www.aaas.org/aboutaaas/awards/sja/

Contact: (202) 326-6440

Continued on next page

GRANT AND AWARD DEADLINES

August 1,,American College of Rheumatology Research and Education Foundation (REF) Awards and Grants Program

Description

This program exists to train and develop rheumatologists and rheumatology health professionals and nurture novel research ideas for the future. The awards are designed to identify the best scientists in each niche of rheumatology, foster their ideas, and prepare them for larger awards and grants from other institutions to sustain their long-term careers as rheumatologists and rheumatology health professionals.

Prize/Award

The program offers research and education opportunities for clinicians, students, health professionals, researchers, and academic institutions. Grants of one-, two-, and three-year funding range in amounts by program from \$50,000 to \$375,000 annually.

Eligibility

Eligibility extends variously by award program to fellows and early- to mid-career physicians and health professionals.

Application

All applications must be submitted online and are due by 5:00 PM Eastern Daylight Time on August 1. The online Call for Applications brochure* provides information on each award and grant opportunity, with applications available online via the individual award pages.

*www.rheumatology.org/ref/awards/REF_CFA_Brochure.pdf#toolbar=1

Details: www.rheumatology.org/REF/awards/index.asp

Contact: (404) 633-3777; ref@rheumatology.org

August 14,,The Vilcek Prize for Creative Promise in Biomedical Science

Description

The Vilcek Foundation awards the Creative Promise Prize in Biomedical Science to recognize foreign-born scientists who, early in their careers, have demonstrated exceptional achievement in biomedical science.

Prize/Award

Recipients each receive \$35,000 and a commemorative plaque.

GRANT AND AWARD DEADLINES

September 1, AAAS Award for Scientific Freedom and Responsibility

Description

This award is presented annually to honor scientists and engineers whose exemplary actions have served to foster scientific freedom and responsibility. Specifically, it recognizes those who have acted to protect the public's health, safety, or welfare; focused public attention on important potential impacts of science and technology on society by their responsible participation in public policy debates; or established important precedents in carrying out the social responsibilities or in defending the professional freedom of scientists and engineers.

Prize/Award

The awardee receives a prize of \$5,000, a commemorative plaque, and AAAS annual meeting registration, housing, and travel to attend the prize presentation.

Eligibility

The award is open to all, regardless of nationality or citizenship, and seeks to inspire the next generation of scientists and engineers as they begin their careers.

Nomination

Nominations may be submitted by mail, fax, or e-mail and must be received by September 1.

Details: www.aaas.org/aboutaaas/awards/freedom/

Contact: (202) 326-6794; drunkle@aaas.org

September 4, Burroughs Wellcome Fund Career Awards at the Scientific Interface

Description

These awards provide funding to bridge advanced postdoctoral training and the first three years of faculty service. They are intended to foster the early career development of researchers who have transitioned or are transitioning from undergraduate and/or graduate work in the physical/mathematical/computational sciences or engineering into postdoctoral work in the biological sciences and who are dedicated to pursuing a career in academic research.

Prize/Award

The awards provide \$500,000 over five years to support up to two years of advanced postdoctoral training and the first three years of a faculty appointment.

Eligibility

These awards are open to U.S. and Canadian citizens or permanent residents as well as to U.S. temporary residents. Eligible candidates may self-nominate by submitting a preproposal application. An online eligibility quiz screens prospective applicants and serves as a portal to the online application for those eligible to proceed.

Application

Only electronic applications are accepted. The preproposal application deadline is 4:00 PM Eastern Daylight Time on September 4. (The subsequent, invited application deadline is 4:00 PM Eastern Standard Time on January 10, 2013.)

Details: www.bwfund.org/pages/558/Career-Awards-at-the-Scientific-Interface/

Contact: (919) 991-5116; dvought@bwfund.org

AAI Newsletter Members in the News, Submissions Invited

AAI welcomes the opportunity to highlight the career achievements and professional honors attained by AAI member scientists. Such publicity not only serves to inspire colleagues but also informs the broader public of immunology's vital and widening role in scientific discovery and transformative medicine.

Help AAI share news of your or another member's noteworthy scientific and/or service recognition or career appointment by contacting mwcuddy@aai.org. Thank you!

Meetings and Events Calendar

2012

July 19...23, 2012



2013

January 13...18, 2013

Immunology of Fungal Infections
Gordon Research Conference
Galveston, Texas
www.grc.org/programs.aspx?year=2013&program=fungal

January 20...25, 2013

The 2nd NIF (Network of Immunology Frontiers) Winter School on Advanced Immunology
Singapore Country Club, Singapore
<http://ifrec-sign-winterschool.org>

January 26...29, 2013

52nd Midwinter Conference of Immunologists
Pacific Grove, California
www.midwconimmunol.org

February 13...17, 2013

52013 BMT Tandem Meeting
Salt Lake City, Utah
www.cibmtr.org/Meetings/Tandem/index.html

April 5...8, 2013

Canadian Society for Immunology
26th Annual Spring Meeting
TELUS Whistler Conference Centre
Whistler, British Columbia, Canada
www.csi-sci.ca

April 20...24, 2013

Experimental Biology (EB) (APS, ASBMB, ASPET, ASIP, ASN, AAA)
Boston, Massachusetts
Contact: eb@faseb.org

May 3...7, 2013

IMMUNOLOGY 2013[®], AAI Annual Meeting and AAI Centennial Celebration
Honolulu, Hawaii
www.immunology2013.org

May 18...21, 2013

2013 American Transplant Congress (AST)
Seattle, Washington
www.atcmeeting.org

May 19...23, 2013

CYTO 2013 (International Society for Advancement of Cytometry)
San Diego, California
Contact: rjaseb@faseb.org

July 7...10, 2013

14th International TNF Conference
Loews Le Concorde
Quebec City, Quebec, Canada
www.tnf2013.com

July 20...24, 2013

The American Society for Virology
32nd Annual Scientific Meeting
Pennsylvania State University
State College, Pennsylvania
www.asv.org

August 22...27, 2013

15th International Congress of Immunology
Milan, Italy
www.ici2013.org

October 4...8, 2013

ASBMR 35th Annual Meeting
Baltimore, Maryland
www.asbmr.org

October 10...13, 2013

13th IWo
on Langerhans Cells
Royal Tropical Institute
Amsterdam, The Netherlands
www.lc2013.nl

2014

February 19...23, 2014

2014 BMT Tandem Meeting
Orlando, Florida
www.cibmtr.org/Meetings/Tandem/index.html

April 26...30, 2014

Experimental Biology (EB) (APS, ASPET, ASIP, ASN, AAA, ASBMB)

May 2...6, 2014

IMMUNOLOGY 2014[®], AAI Annual Meeting
Pittsburgh, Pennsylvania
http://aai.org/Meetings/Future_Meeting.html

May 17...21, 2014

CYTO 2014 (International Society for Advancement of Cytometry)
Ft. Lauderdale, Florida
Contact: rjaseb@faseb.org

June 21...25, 2014

The American Society for Virology
33rd Annual Scientific Meeting
Colorado State University
Fort Collins, Colorado
www.asv.org

September 12...16, 2014

ASBMR 36th Annual Meeting
Houston, Texas
www.asbmr.org

2015

February 11...15, 2015

2015 BMT Tandem Meeting
San Diego, CA
www.cibmtr.org/Meetings/Tandem/index.html

March 28 ... April 1, 2015

Experimental Biology (EB) (APS, ASPET, ASIP, ASN, AAA, ASBMB)
Boston, Massachusetts
Contact: eb@faseb.org

May 8...12, 2015

IMMUNOLOGY 2015[®], AAI Annual Meeting
New Orleans, Louisiana
http://aai.org/Meetings/Future_Meeting.html

July 11...15, 2015

The American Society for Virology
34rd Annual Scientific Meeting
The University of Western Ontario
London, Ontario, Canada
www.asv.org

October 9...13, 2015

ASBMR 37th Annual Meeting
Seattle, Washington
www.asbmr.org

GRIP

Grant Review for Immunologists Program

Get aGRIPAn AAI program designed to help new



IMMUNOLOGY 2013

THE ANNUAL MEETING OF THE SOCIETY FOR CELLULAR PHYSIOLOGY AND PHARMACOLOGY

