



AAI

The American Association of Immunologists

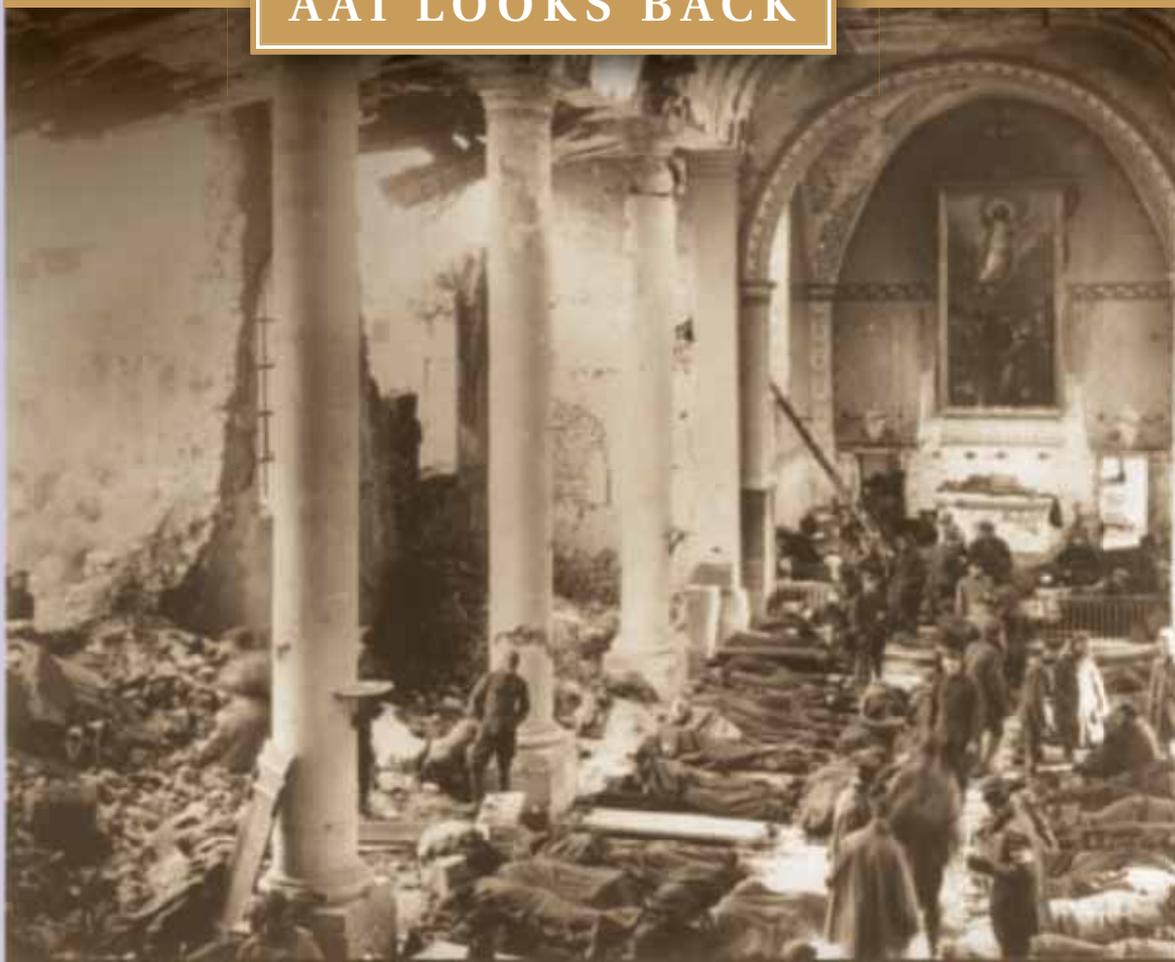
NEWSLETTER

DECEMBER 2012

AAI LOOKS BACK

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American Expeditionary Forces field hospital inside ruins of church France, ca. 1918 (Library of Congress, Prints and Photographs Division)

Immunologists during the First World War: One Soldier-Scientist's Experience

Stanhope Bayne-Jones (AAI 1917, 17th President 1930–31)

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IMMUNOLOGY 2013™



AAI Annual Meeting
May 3–7, 2013
Hawaii Convention Center
Honolulu, Hawaii

Celebrating
100 Years



Call for 2013 Award Applications

Deadline: January 9, 2013

Applications are invited for the following AAI Travel Awards and Grants, which annually foster the promise and professional development of early- and mid-career investigators, including underrepresented minority scientists and trainees.

NEW—AAI Trainee Poster Award

This award provides up to \$500 travel reimbursement to AAI trainee members (students and postdoctoral fellows) whose first-author abstracts submitted to the AAI annual meeting are selected for poster sessions only and found to be exceptional by the AAI Abstract Programming Chairs. Selection is based on the originality and significance of the research being presented.

Pfizer-Showell Travel Award

This award recognizes the professional promise of an early career investigator (assistant professor or equivalent) by assisting the award recipient with travel to the AAI annual meeting. Selection is based on career progress and submission of an outstanding abstract selected for oral presentation in a block symposium at the meeting. The award recipient will be recognized and presented with a certificate at an awards presentation program at the AAI annual meeting. Support of up to \$1,500 will be provided for meeting registration and travel. *This award is supported through an endowment from Henry J. Showell and Pfizer, Inc.*

AAI-Life Technologies Trainee Achievement Award

This award recognizes up to 6 promising trainees in the field of immunology. Selection is based on career promise and presentation of an outstanding first-author abstract selected for oral presentation in a block symposium. Awardees will receive a \$1,000 cash prize and reimbursement for meeting expenses. *This award is generously supported through a grant from Life Technologies Corporation.*

AAI Early Career Faculty Travel Grant

These grants assist young investigators (assistant professor or equivalent) in attending the AAI annual meeting. Recipients will be reimbursed up to \$1,500 for registration and travel expenses.

Chambers-eBioscience Memorial Award

Established to honor the memory of AAI member Dr. Cynthia Chambers, this award is intended to advance the career of an early career scientist who attends the AAI annual meeting and presents an outstanding abstract specifically in the area of cancer biology. The award recipient will receive a \$1,000 cash award, meeting registration at the early rate, and a certificate during an awards presentation program at the AAI annual meeting. *This award is generously supported through a grant from eBioscience, Inc.*

Lustgarten-eBioscience Memorial Award

Established to honor the memory of AAI member Dr. Joseph Lustgarten, this award is intended to advance the career of a mid-career scientist who attends the AAI annual meeting and presents an outstanding abstract specifically in the area of immune regulation. The award recipient will receive up to \$1,250 travel reimbursement, meeting registration at the early rate, and a certificate during an awards presentation program at the AAI annual meeting. *This award is generously supported through a grant from eBioscience, Inc.*

AAI Minority Scientist Travel Award

This award provides travel support to eligible AAI members to attend the AAI annual meeting. Two types of awards are available (trainee, junior faculty), providing support of up to \$2,200 for registration and meeting-related travel expenses. *This award is generously supported through the FASEB Minority Access to Research Careers (MARC) program and a grant from the National Institute of General Medical Sciences (NIGMS), NIH.*

AAI Trainee Abstract Award

This award provides up to \$750 travel reimbursement to AAI trainee members (students and postdoctoral fellows) whose first-author abstracts submitted to the AAI annual meeting are selected for presentation in block symposia.

AAI Undergraduate Faculty Travel Grant

These grants assist undergraduate faculty in attending the AAI annual meeting. Each grant will also support travel costs for an undergraduate student of the recipient's selection. A grant of up to \$1,500 is awarded to the undergraduate faculty member, and a grant of up to \$1,000 is awarded to the selected undergraduate student (registration for an undergraduate student is complimentary).

AAI Laboratory Travel Grant

These grants assist mid-career investigators in attending the AAI annual meeting. Applicants must hold an appointment of associate professor or equivalent, have limited support for travel (total funding not to exceed \$300,000 per year), and be a first or last author on one or more abstracts submitted to the annual meeting. Each grant will provide two travel awards of up to \$1,500 each: one to the PI or laboratory director and another to a member of his or her lab, chosen by the PI or laboratory director. Recipients will be reimbursed for registration and travel expenses.

For complete AAI Travel Award and Grant application details, visit www.AAI.org/Awards.

The 2013 AAI Awards will be presented in conjunction with
IMMUNOLOGY 2013™ • The Centennial Celebration of AAI (1913–2013)

May 3–7, 2013 • Honolulu, Hawaii

Questions? Contact AAI at 301-634-7178 or awards@aai.org



AAI Celebrates Its 100th Anniversary in 2013

As we begin our centennial year, we look back and appreciate the incredible advances in the field since 1913. To honor the memory and many notable accomplishments of AAI members then and now, we've begun publishing commemorative pieces in print and on the AAI website. And IMMUNOLOGY 2013™ will be the setting for a great celebration of our history.

Commemorative Literature. AAI staff historians and scientists are rigorously researching and archiving materials to preserve the proud heritage of the association, and the *AAI Newsletter* has featured a number of articles this past year recounting our history. In this issue, we include *Immunologists during the First World War: One Soldier-Scientist's Experience*, an exploration of how profoundly the First World War affected biomedical research and the careers of AAI members serving in the military. (See page 16.) Prior articles are posted on the AAI website at aai.org/About/History.

The aai.org/About/History section of the AAI website, developed and launched in 2011 in anticipation of the AAI Centennial, will continually evolve as a living archive, adding resources produced for, during, and after the Hawaii celebration. Current and future resources, including oral history interviews of AAI presidents, profiles of AAI Nobel and Lasker recipients, AAI history articles (published in the *AAI Newsletter*), and an eBook of "Pillars" articles from *The Journal of Immunology*, will continue to chronicle the history of AAI and the role immunology has played in advancing biology and medicine.



IMMUNOLOGY 2013™ Celebrating 100 Years!

In addition to featuring the newest developments in the field, speakers in the scientific sessions at IMMUNOLOGY 2013™ will provide brief perspectives on the history of immunology. Many other activities will engage attendees actively in the AAI Centennial celebration. Be sure you are there to:

- Travel the **Centennial Timeline** spanning the exhibit hall floor, depicting important developments for AAI and immunology, science and technology, and U.S. and world history.
- Take the **Walk of Notables** to learn about the many Nobel, Lasker, and other distinguished awardees in the rich AAI legacy.
- Visit the **StoryBooth** with friends, colleagues, or mentors to record your stories and become part of AAI history.
- Seize the **VIP Photo Op** to have your picture taken with preeminent immunologists in the VIP Lounge.
- And enjoy the special festivities and entertainment scheduled for the AAI Centennial at the **Opening Night Welcome Reception** and the **Centennial Gala Luau**.



Medical College, University of Minnesota (c. 1908)

Image: Library of Congress, Prints & Photographs Division, Detroit Publishing Company Collection

On June 19, 1913, a group of physician-scientists gathered on the University of Minnesota campus to form a society devoted to a nascent medical specialty: immunology. These founders and the society they established—The American Association of Immunologists (AAI)—led in defining and forging this new biomedical field.

For 100 years, AAI has been dedicated to advancing the field of immunology. Its preeminence in scientific history has been secured by generations of AAI members who believed in its future and the future of the discipline. Through its annual meeting, *The Journal of Immunology (The JI)*, awards, committee activities, and other programs, AAI continues to advance its founders' mission—"to promote by its concerted efforts scientific research." Today, more than 7,600 immunologists in 65 countries work together in AAI to address common interests as they continue to push forward the boundaries of knowledge.

Make your plans today to be a part of the once-in-a-lifetime AAI Centennial celebration!

Pamela J. Fink Appointed as Next Editor-in-Chief of *The Journal of Immunology*

The AAI Council recently announced the appointment of Pamela J. Fink, Ph.D., to be the next Editor-in-Chief (EIC) of *The Journal of Immunology* (*The JI*). Fink has been an AAI member since 1987 and is a professor in the Department of Immunology at the University of Washington School of Medicine, a position she has held since 2004.

Dr. Fink served as a Deputy Editor for *The JI* from 2003 to 2008. She has also served as an Associate Editor and ad hoc reviewer. She has served AAI in many capacities, including as a member of the Program Committee, the Committee on the Status of Women, the Publications Committee, as Chair of the Nominating Committee, and as an Abstract Programming Chair. As a member of the Publications Committee, she has been a featured speaker in sessions at the AAI annual meetings.

Dr. Fink holds a B.S. in biological sciences from Indiana University and received a Ph.D. in biology from the Massachusetts Institute of Technology. She carried out postdoctoral work at the Stanford University Medical Center in the laboratory of Irving Weissman before moving to the Scripps Clinic and Research Foundation as a research fellow. She moved to the University of Washington in 1990 as an assistant professor. In addition to her teaching and research duties, Fink has trained many doctoral and post-doctoral scientists in her lab. She is the recipient of numerous honors, including a Junior Faculty Research Award from the American Cancer Society (1989) and the NSF Career Advancement Award (1993).

Dr. Fink's research focuses on advancing our understanding of T cell tolerance and maturation. Particular attention is paid to the mechanism of T cell receptor revision and the phenotypic and functional changes that precede deletion of self-reactive cells. Her laboratory also studies costimulatory functions of Fas ligand that are mediated by reverse signaling and lead to the augmentation of antigen-specific proliferation of CD8+ T cells and maturation of thymocytes. In addition, her lab analyzes recent thymic emigrants to determine the signals provided by the peripheral environment that promote the post-thymic maturation of these cells.



Pamela J. Fink

Upon acceptance of the position, Dr. Fink stated:

I am honored to accept the position of Editor-in-Chief of The Journal of Immunology, and I am especially thrilled to be named the first woman to hold this position. I will work hard to maintain and further the reputation The Journal of Immunology has so deservedly earned as a fair and exacting platform for publishing the best work covering the full breadth of immunological research. I am looking forward to learning from Dr. Jeremy Boss, our vibrant and imaginative current editor, and working

with the wonderful staff whose commitment has made this journal what it is today.

The new EIC serves a five-year term, from July 1, 2013, through June 30, 2018. Fink will begin an informal overlap period with current EIC Jeremy M. Boss in January 2013 and work closely with him until June 2013 to ensure an effective and orderly transition.

Founded in 1916, *The JI* is the most highly cited publication in the field of immunology. Its past and present Editors-in-Chief include:

- Arthur F. Coca & John C. Torrey (1920–35)
- Arthur F. Coca (1935–48)
- Geoffrey Edsall (1948–54)
- John Y. Sugg (1954–68)
- Harry M. Rose (1968–71)
- Joseph D. Feldman (1971–87)
- Ethan M. Shevach (1987–92)
- Peter E. Lipsky (1992–97)
- Frank W. Fitch (1997–03)
- Robert R. Rich (2003–08)
- Jeremy M. Boss (2008–13)

Members of the AAI Council, Publications Committee, and staff join the membership in congratulating Dr. Fink on her appointment and look forward to working with her.

AAI AWARDS

*Recognizing Scientists of Distinction
in Every Career Stage*



THE AMERICAN ASSOCIATION OF IMMUNOLOGISTS

In 2013 AAI anticipates honoring more than **800** member scientists for their research achievements and professional promise by providing awards and grants totaling over **\$800,000**.

AAI members enjoy the opportunity to nominate a worthy colleague for recognition or apply for a travel grant in support of their own careers.

AAI provides travel support for talented scientists-in-training to participate in its annual meeting. For IMMUNOLOGY 2013™, AAI will offer a new AAI Trainee Poster Award program in addition to the AAI Trainee Abstract Awards granted each year. Both awards provide travel reimbursements to trainee member first-authors of exceptional abstracts.

In its commitment to cultivate career opportunities for promising young scientists, AAI also provides travel support for trainees to attend the AAI summer immunology courses and sponsors over 100 awards at other immunology conferences.



Let AAI Help You Advance Your Career!

To join AAI, visit www.aai.org/Membership.

To view AAI individual awards, visit www.aai.org/Awards.

**Join Us for IMMUNOLOGY 2013™, the AAI Centennial Celebration
May 3–7, in Honolulu, Hawaii**

FOCUS ON PUBLIC AFFAIRS

AAI Honors Representatives Chris Van Hollen and Brian Bilbray

Following their designation last year as 2011 AAI Public Service Award honorees, Representative Chris Van Hollen (D-8th, MD) and Representative Brian Bilbray (R-50th, CA) were formally presented their awards in separate ceremonies this year. Both men were honored “for outstanding leadership in advancing biomedical research through support for the National Institutes of Health.”

AAI honored Rep. Van Hollen on November 8, 2012, with a presentation and reception at the Beaumont House on the AAI/FASEB campus. The event was held in conjunction with the fall AAI Council meeting, enabling AAI leaders to both honor the Congressman and talk with him about the many challenges currently facing the biomedical research community. Also attending the reception were AAI and FASEB staff, as well as representatives from other FASEB societies.

AAI President Gail Bishop presented the award to Rep. Van Hollen, citing his leadership in Congress and his strong support for biomedical research generally and NIH in particular. Bishop’s complete remarks can be found at page 7. Bishop was introduced by Elizabeth Kovacs, Chair of the AAI Committee on Public Affairs, who explained that AAI has presented this award since 1994 “to those individuals whom AAI believes have contributed the most—in the public arena—to advancing biomedical research and addressing the needs of research scientists.” Previous winners include the late Senators Ted Kennedy and Arlen Specter; Senators Tom Harkin and Orrin Hatch;



Rep. David Obey; journalists Sam Donaldson and Mort Kondracke; and NIH leaders Anthony Fauci (AAI '73) and Richard Hodes (AAI '75).

After receiving the award, Rep. Van Hollen spoke of the importance of NIH to his district (which also includes AAI and the FASEB campus), his state, and the country. Recognizing the benefits of NIH research to human health and local economies, he also stressed the importance of maintaining U.S. global leadership in science and technology. Although the Congressman expressed deep concern about the looming threat of sequestration (see article on page 8), he was cautiously optimistic that some short term agreement might be reached to avert it, though a “grand bargain” to solve the country’s fiscal problems was unlikely to be reached in 2012.

As Rep. Bilbray was unable to attend this reception, he received his award during a formal presentation in his Solana Beach, California district office on October 30, 2012. Former AAI President Jeffrey A. Frelinger, accompanied by AAI Secretary-Treasurer Mitchell Kronenberg and AAI Councillor Linda Sherman, presented the award to Rep. Bilbray, who has led

Congressional efforts to increase support for NIH and served as co-chair of the Congressional Biomedical Research Caucus. AAI will miss his leadership on NIH issues, as he was recently defeated in his bid for re-election.



AAI honoree Rep. Chris Van Hollen (L) with 2012-2013 AAI president Gail Bishop



AAI honoree Rep. Brian Bilbray (third from left) with (L-R) AAI Councillor Mitch Kronenberg, 2010-2011 AAI president Jeff Frelinger, AAI Councillor Linda Sherman

AAI Public Service Award Presentation Remarks: AAI President Gail Bishop

November 8, 2012

Let me begin, Congressman, by extending our congratulations on your re-election to Congress earlier this week.

It is my great honor to present the AAI Public Service Award to Rep. Chris Van Hollen.

Since his election to the U.S. House of Representatives in 2002, Rep. Van Hollen has been an ardent supporter of—and vocal leader for—biomedical research and the NIH. This would seem only logical, since his district, Maryland's 8th, is home to the NIH, to AAI, to FASEB and many of its member societies, and to many government scientists. So AAI would be grateful for Rep. Van Hollen's support if he were merely reflecting the needs and wishes of his district. But he has done much more than that. He has demonstrated an understanding that biomedical research—as important as it is to his district—is much more than a local issue. Rep. Van Hollen understands that investing in biomedical research—with its promise of improving human health and reducing suffering—is a moral imperative, a national priority, and an economic driver for local communities, for the nation, and for U.S. international competitiveness. And so he has used his rapidly growing influence to make this case to leaders beyond his district, to the leadership of the House, and to the Administration.

As ranking member of the House Budget Committee, Rep. Van Hollen has worked hard to make investment in scientific research a federal budget priority. And he has consistently and strongly supported increasing appropriations for NIH, most recently co-signing a letter to appropriators urging a \$32 billion budget for NIH for FY 2013, an increase of \$1.3 billion (4.5 percent) and the level requested by AAI and FASEB. His efforts over the years have also brought more federal dollars to both the NIH campus and Maryland's 8th district: in FY 2011, NIH received \$3.4 billion to support a robust intramural program, while his district received more than \$331 million to support extramural research.

During his decade-long tenure in the House, Rep. Van Hollen has taken on many tough assignments.



Rep. Chris Van Hollen flanked by (L-R) AAI Committee on Public Affairs Chair Liz Kovacs; AAI Councillors Arlene Sharpe, Linda Sherman, Gail Bishop, Marc Jenkins, Mitch Kronenberg, Michele Hogan, Jerry Boss, Leslie Berg, and Wayne Yokoyama; and AAI Public Affairs Director Lauren Gross

In 2006, he was named chair of the Democratic Congressional Campaign Committee, the fifth-ranking position among House Democrats, making him one of the youngest members in House leadership. In 2010, he was elected ranking member of the powerful House Budget Committee, placing him at the center of critical budget negotiations in Congress (and making him the lucky sparring partner for Vice President Joe Biden during his preparation for the vice presidential debate). But no assignment has been as hard as the one ahead, and we are indeed fortunate that Rep. Van Hollen, who served as one of 12 members of the Joint Select Committee on Deficit Reduction, will be “at the table” when Congress resumes deliberations next week in an effort to avoid sequestration. And we find great comfort in knowing that he will fight against these automatic, across-the-board cuts that, if implemented, will decimate many important domestic programs, including NIH and the research enterprise that this nation has supported and invested in—on a bipartisan basis—for more than 125 years.

And so, Rep. Van Hollen, I would like to thank you

- *for all you have done—and for all you will do—to support NIH and the broader biomedical research enterprise,*
- *for understanding and appreciating the importance of science,*
- *for standing up against the politicization of science, and*
- *for supporting the participation of government scientists in the broader scientific community.*

And I am honored to present you with the AAI Public Service Award “for outstanding leadership in advancing biomedical research through support for the National Institutes of Health.”

White House Report Estimates the Potential Impact of Sequestration

The White House Office of Management and Budget (OMB) released a report outlining the estimated impact of sequestration on federal government departments, agencies, and programs. In the September-released report, the OMB indicates that the NIH budget would be cut by about \$2.52 billion (8.2 percent) under sequestration.

The Budget Control Act of 2011 (BCA) called for the creation of a Joint Committee on Deficit Reduction (JCDR), tasked with finding at least \$1.2 trillion in deficit reduction over the next decade. The failure of the JCDR to reach an agreement triggered a provision of the BCA—"sequestration," or automatic across-the-board spending cuts, which are scheduled to take effect on January 2, 2013. It remains possible that Congress will pass legislation to eliminate, modify, or delay these cuts prior to January.

The nonpartisan Congressional Budget Office had previously estimated that most nondefense discretionary spending programs, including NIH, would be cut by about 7.8 percent under sequestration, which, according to NIH Director Francis Collins, would result in about 2,300 fewer grants than NIH had planned to fund in fiscal year 2013.

NIH Proceeds Cautiously, Pending a Final FY 2013 Budget

Congress passed a six-month continuing resolution (CR) in September to fund most federal government programs in fiscal year (FY) 2013 at 0.6 percent above their FY 2012 budget levels. This short-term spending bill provides a small boost of about \$200 million to NIH.

Although the CR does provide a small funding increase for most agencies, including NIH, the threat of sequestration (see article on sequestration above) creates a great deal of uncertainty for agencies attempting to budget for the entire fiscal year. As a result, NIH is limiting the number and size of grant awards until its budget outlook becomes clearer. Until a final FY 2013 appropriations bill is enacted, NIH "will issue non-competing research grant awards at a level below that indicated on the most recent Notice of Award (generally up to 90 percent of the previously committed level)." See <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-13-002.html>.

Although the CR technically runs through March 27, 2013, Congressional leaders may attempt to complete action on FY 2013 appropriations in 2012.

NCATS Advisory Council and CAN Board Hold Inaugural Meetings; NCATS Director Named

The National Center for Advancing Translational Sciences (NCATS) Advisory Council and the Cures Acceleration Network (CAN) Board have conducted their first meetings. The bodies held a joint meeting, as they are comprised primarily of the same members. The meeting was held September 14 on the NIH campus in Bethesda, Maryland.

In his inaugural welcome message, NIH Director Francis Collins announced that Christopher P. Austin will serve as director of NCATS, replacing NCATS Acting Director Thomas R. Insel. Austin began his work at NIH in 2002 as senior advisor to the director for translational research at the National Human Genome Research Institute. Most recently, he has served as the director of Pre-Clinical Innovation at NCATS.

Mary L. (Nora) Disis, AAI '96, professor, Department of Medicine, University of Washington School of Medicine, sits on both the NCATS Advisory Council and the CAN Board. AAI congratulates Disis on this important appointment. (See story on p. 11.)

The NCATS Advisory Council and the CAN Board will convene for their next face-to-face meeting on January 23, 2013.

Bill to Ban Research on Great Apes Remains Pending

The U.S. Senate Committee on Environment and Public Works approved an amended version of the Great Ape Protection and Cost Savings Act (GAPCSA) by voice vote on July 25, 2012, but the House has yet to take up legislation on the issue. The bill, which was first introduced in Congress in 2008, would prohibit all invasive research on great apes and would retire the roughly 500 federally owned chimpanzees currently in government laboratories.

The version of GAPCSA approved by the committee includes an amendment authored by Senators Ben Cardin (D-MD) and Barbara

Boxer (D-CA), which “allows for the use of chimpanzee research in response to a future health threat.” The use of chimpanzees would have to be authorized by an “independent scientific task-force using parameters established by IOM (the Institute of Medicine).” This legislation largely ignores the recommendations of a report released by IOM in December 2011 on the use of chimpanzees in research, which found that some biomedical research involving chimpanzees remains necessary, including research on “prophylactic HCV vaccine development, short-term continued use for monoclonal antibody research, comparative genomics research, and behavioral research.”

The House version of the legislation was introduced by then Rep. Roscoe Bartlett (R-6th, MD) but has not yet been considered by a House committee.

NIAID Director Anthony Fauci Visits the AAI Council

Anthony Fauci, AAI '73, director of the National Institute of Allergy and Infectious Diseases (NIAID), continued his longstanding annual tradition of visiting with the AAI Council on November 9. He was accompanied by Hugh Auchincloss, AAI '83, NIAID Deputy Director, and Daniel Rotrosen, AAI '03, director of the NIAID Division of Allergy, Immunology, and Transplantation.

Fauci briefed the Council on the budgets of NIH and NIAID, shed light on some key administrative issues at NIH, and answered questions from members of the AAI Council.

The Council shared concerns about the low NIAID interim R01 payline (6th percentile for established investigators and 10th percentile for new and early stage investigators), the balance between “big science” and investigator-initiated research, and new federal policies limiting government employee travel and federal conference spending, among other issues. Fauci described NIAID plans for responding to both limited funding and new travel restrictions. He also reiterated that the interim R01 payline is conservative

and will likely rise when a FY 2013 budget becomes law, noting that NIAID will be funding some applications beyond the payline through bridge awards and select pay. Fauci cautioned that sequestration (see article on page 8), should it occur, would certainly alter the final payline for FY 2013.



Pictured with Anthony Fauci (6th from left) at the recent AAI Council meeting are (L-R) AAI Councillors Wayne Yokoyama and Marc Jenkins, NIAID's Dan Rotrosen, AAI Councillors Mitch Kronenberg (rear) and Gail Bishop (front), NIAID's Hugh Auchincloss, AAI Councillors Arlene Sharpe, Jerry Boss, and Leslie Berg; AAI Public Affairs Director Lauren Gross; AAI Councillors Michele Hogan and Paul Love, AAI Committee on Public Affairs Chair Liz Kovacs, and AAI Councillor Linda Sherman



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www.aai.org/

About/Departments-Staff

Members in the News

Dan Barouch Appointed Director of New Virology and Vaccine Center

Dan H. Barouch, M.D., Ph.D., AAI '06, has been named director of the newly created Center for Virology and Vaccine Research (CVVR) in the Department of Medicine at Beth Israel Deaconess Medical Center (BIDMC).

Barouch is a professor of medicine at Harvard Medical School and, since 2009, has headed the BIDMC Division of Vaccine Research, now merged with the Division of Viral Pathogenesis to form the new CVVR. He also served as interim chief of the viral pathogenesis division following the death earlier this year of HIV vaccine pioneer Norman Letvin (AAI '82). As director of the new center, Barouch will help extend the pioneering work of BIDMC in developing preventive strategies and treatments for HIV.

Barouch's research explores the immunology and virology of HIV-1 infection pertinent to the development of novel HIV vaccine strategies. His work has identified HIV glycosylation as a target for antibody-mediated neutralization and has characterized the broadly neutralizing antibody 2G12, including generating antigens with which it can interact. His lab has shown that adjuvanted DNA vaccines and viral vector-based vaccines expressing HIV and SIV antigens can elicit potent cellular immune responses that partially control pathogenic virus challenges in rhesus monkeys. The lab has developed a series of rare serotype and chimeric adenovirus vaccine vectors that are designed to overcome the problem of pre-existing immunity to the commonly used vaccine vector Ad5 and has advanced these vectors into preclinical and Phase 1 clinical trials.

Barouch has served as an associate editor for *The Journal of Immunology* and as an instructor for the AAI Advanced Course in Immunology. He holds editorial board appointments with the *Journal of Virology*, *Journal of Infectious Diseases*, and *Clinical Immunology* and serves on various scientific review and advisory panels, including HIV vaccine study section, NIAID, NIH; HIV Vaccine Trials Network; and Cancer Vaccine Project, Broad Institute of MIT and Harvard. His additional review and advisory appointments, past and present, include: Early Stage



Dan H. Barouch

Investigator Awards, NIAID, NIH; HIV/AIDS grants, Bill & Melinda Gates Foundation; Clinical Scientist Development Awards, Doris Duke Charitable Foundation; Global HIV/AIDS Vaccine Enterprise; Los Alamos National Laboratory HIV Immunology/Vaccine Database; and Marie Curie ADVance Training Network. For multiple years, he has served on the scientific organizing committee of the annual international AIDS Vaccine Conference, including as conference chair in 2012.

Among Barouch's career honors are the Oswald Avery Award, Infectious Diseases Society of America; Sir William Osler Young Investigator Award, Interurban Clinical Club; Maxwell Finland Young Investigator Award, Massachusetts Infectious Diseases Society; Partners in Excellence Award, Massachusetts General Hospital and Brigham and Women's Hospital; Leon Reznick Memorial Prize and Soma Weiss Research Award, Harvard Medical School; Certificate of Distinction in Teaching, Harvard College; Thomas T. Hoopes Prize, Harvard College; British Marshall Scholarship; Lawrence J. Henderson Prize, Department of Biochemistry, Harvard College; and Barry M. Goldwater Scholarship. He is a fellow of the Infectious Diseases Society of America and the American College of Physicians and an elected member of the American Society for Clinical Investigation.

Born in Gottingen, Germany, and a biochemistry graduate (highest honors) of Harvard University, Barouch earned his Ph.D. in immunology at Oxford University (advisor: Andrew McMichael) and M.D. (highest honors) at Harvard Medical School. His postdoctoral training included a virology fellowship (Norman Letvin lab) at BIDMC, medical internship and residency at Massachusetts General Hospital, and clinical fellowship in infectious diseases at Massachusetts General Hospital and Brigham and Women's Hospital. He joined the Harvard Medical School faculty as an instructor in 2002, was appointed assistant professor in 2004 and associate professor in 2006, and has served as a full professor since 2010.

Mary Disis Named to Cures Acceleration Network Review Board

Mary L. Disis, M.D., AAI '96, has been appointed to the 24-member Cures Acceleration Network Review Board. The board advises the director of the National Center for Advancing Translational Sciences (NCATS) at NIH on countering significant barriers to successful translation of basic science into clinical application. Disis also serves on the 18-member NCATS Advisory Council.

As associate dean for translational science at the University of Washington (UW) School of Medicine, Disis serves as a professor in the Department of Medicine, Division of Oncology. Her additional UW appointments include adjunct professor of pathology and of obstetrics and gynecology, member of the Fred Hutchinson Cancer Research Center (FHCRC), director of the Institute of Translational Health Sciences, and director of the Center of Translational Medicine in Women's Health.

Research in the Disis lab explores breast and ovarian cancer immunology and seeks to develop tumor vaccines to prevent tumor development and cellular therapeutics to prevent cancer recurrences. She is one of the investigators who discovered that HER-2/neu is a tumor antigen, and her work has led to several clinical trials that evaluate boosting immunity to HER-2/neu with cancer vaccines. Her lab works to discover new antigens for breast and ovarian cancer that can then be targeted by vaccines and therapeutics. Their translational research program also assesses humoral and T cell responses to cancer and their relevance to the therapeutic control of disease.

Disis holds journal review appointments with the *Journal of Clinical Oncology*, *Science Translational Medicine*, *International Journal of Oncology*, *Journal of Immunotherapy*, *Journal of Translational Medicine*, and *Update on Cancer Therapeutics* and past such appointments with *Cancer Immunology and Immunotherapy* and *Molecular Cancer Therapeutics*. She holds committee and task-force appointments for the American Society of Clinical Oncology and the American Association for Cancer Research (ASCO-AACR) and serves as an ad hoc reviewer for the P01 program and CII study section at NCI, NIH. In addition to multiple award review panel and study section appointments at NCI, Disis has served as a reviewer for the NIH New Innovator Award; Ovarian Cancer Action, Helene Harris Memorial Trust; Department of Defense Ovarian Cancer Research Program (including study section chair); Canadian Breast Cancer Research Initiative, Canadian Institute of Cancer Research;



Mary L. Disis

Susan G. Komen Breast Cancer Foundation (advisory council and postdoctoral fellowship awards review); State of California Breast Cancer Research Program (study section chair); and American Federation for Aging Research.

Career honors accorded to Disis include: Komen Scholar; Merrill Egorin Award for Mentoring, ASCO-AACR Clinical Trials Workshop; elected member, Association of American Physicians; Team Science Award, International Society of Biologic Therapy; Kroc Endowed Lectureship,

University of South Carolina; elected fellow, American College of Physicians; Cancer Treatment Research Foundation Award for Scientific Excellence; elected board member, International Society of Biologic Therapy; Science Forum Lecturer, UW; elected member, American Society of Clinical Investigation; Celebrating Hope Award for Scientific Achievement, Olympic Medical Center Foundation; Award for Outstanding Mentorship, UW School of Medicine/Center of Women's Health; Science in Medicine Lectureship, UW College of Medicine; Mid-Career Investigator Award in Patient Oriented Research, NCI; Science in Medicine New Investigator Lectureship, UW College of Medicine; FIRST Award, NCI; Clinical Investigator Award, NCI; American Cancer Society (ACS) Physician Research Training Award; Berlex Oncology Foundation Clinical Research Fellow; Upjohn Outstanding Oncology Fellow Award, UW; Clinical Oncology Fellowship, ACS; Alpha Omega Alpha, University of Illinois College of Medicine; Intern of the Year, University of Illinois; IOTA Benefit Association Research Award; Michaelson Scholarship for Research in Cystic Fibrosis; and Spirit of Creighton Award.

A native of Chicago and a chemistry and English graduate of Creighton University, Disis received her M.D. and M.S. (immunology) from the University of Nebraska Medical School. She completed an internship, residency, and chief residency in internal medicine at the University of Illinois, Chicago, and senior oncology fellowship at UW/FHCRC. She was appointed an assistant professor at UW in 1994 and director of the UW Tumor Vaccine Group in 1998; she was promoted to associate professor in 1999 and full professor in 2006. She has been affiliated with the Hutchinson cancer center since 2001. Appointed by the secretary of the Department of Health and Human Services, Disis and her colleagues on the 24-member Cures Acceleration Network Review Board serve four-year terms.

Kristine Garza Named SACNAS Director

Kristine M. (Tina) Garza, Ph.D., AAI '02, was appointed earlier this year as executive director of the Society for Advancement of Hispanics/Chicanos and Native Americans in Science (SACNAS) in Santa Cruz, Calif.

Garza retains appointments as associate professor in the Department of Biological Sciences at the University of Texas El Paso (UTEP) and deputy director of UTEP's Border Biomedical Research Center. At UTEP, Garza's research has used several different systems to explore the interactions of T cells with dendritic cells and macrophages in the initiation and progression of T cell responses. Her lab studies these interactions in such diverse contexts as *Mycobacterium avium* infection, autoimmunity, and obesity, investigating the effects of intracellular bacteria, TNF- α , leptin, and chemotherapeutic agents on adaptive immunity. In addition, the lab explores how environmental nanocarbon particulates affect lung macrophages and ultimately T cell immunity, with the aim of developing the ability to manipulate these interactions to effectively modulate immune responses in infection, type II diabetes, autoimmunity, and asthma.

In addition to securing research funding from multiple NIH institutes, the Environmental Protection Agency, and the Texas Higher Education Coordinating Board, Garza attained minority student research training and mentoring funding from the National Science Foundation (NSF) and Howard Hughes Medical Institute Undergraduate Science Program.

Garza is a past member of the AAI Minority Affairs Committee and a past recipient of the AAI Minority Scientist Travel Award. Her additional career honors include the Regents Outstanding Teaching Award, Texas Board of Regents; Distinguished Achievement Award in Teaching, UTEP College of Science; Minority Mentor Travel Award, FASEB Minority Access to Research Careers Program; Distinguished Achievement Award for Service, UTEP College of Science; SACNAS Summer Leadership Institute Fellow; National Academies Education Mentor in the Life Sciences; Jack Bristol Distinguished Achievement Award in Teaching; Secretary, SACNAS Board of Directors Executive Committee; Fellow, UTEP's Center for Hispanic



Kristine M. (Tina) Garza

Entrepreneurship; National Academies Education Fellow in the Life Sciences; member, SACNAS Board of Directors; Fellow, National Academies Summer Institute on Undergraduate Education in Biology; and American Society for Cell Biology Minority Scientist Travel Award.

Garza's career service appointments include service on review panels for the NIGMS Minority Program Research Committee, National Research Council Research Associateship Program, NSF Graduate Research Fellowship Program, National Human Genome Research Institute Diversity Action Plan Program, City University of New York Collaborative Incentive Research Grants Program, Science Process and Reasoning Skills Test Program, and NSF American Institutes for Research Broadening Participation Advisory Council.

A native of El Paso and a biology graduate (with highest honors) of St. Mary's University in San Antonio, Garza earned her Ph.D. in microbiology/immunology from the University of Virginia (mentor: Kenneth Tung). She trained as a postdoctoral fellow in the Department of Immunology at the Ontario (Canada) Cancer Institute (mentor: Pamela Ohashi) before joining UTEP as an assistant professor in 2000. She was promoted to associate professor in 2006 and has held her Border Biomedical Research Center appointment since 2009.

Since 1973, SACNAS has worked to increase diversity in the scientific workforce and academia by fostering the success of Hispanic/Chicano and Native American scientists, from college students to professionals, in attaining advanced degrees, careers, and positions of leadership. SACNAS serves over 25,000 members, partners, and affiliates from diverse disciplines, institutions, ethnic backgrounds, and levels, including via chapters at nearly 70 colleges and university campuses throughout the United States and Puerto Rico. The organization brings over 3,600 students, postdoctoral fellows, and professional scientists, administrators, and program directors to its national conference every year. The 2013 SACNAS National Conference will be held October 3–6, 2013, in San Antonio, Texas. For further information on SACNAS, visit www.sacnas.org.

Mario Santiago Receives ICAAC Young Investigator Award

Mario L. Santiago, Ph.D., AAI '11, is one of five Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC) Young Investigator Award recipients for 2012.

The honor recognizes Santiago's varied work in virology, from conducting field-based HIV epidemiology studies to manipulating innate immunity in his efforts to explore innovative ways to approach the challenge of the HIV vaccine. Specifically, his nomination cited his recent work on the function of human apolipoprotein B mRNA-editing, enzyme-catalytic, polypeptide-like 3 (APOBEC3), which has helped delineate potential genetic mechanisms behind the production of neutralizing antibodies to HIV.

Santiago is an assistant professor in the Department of Medicine, Division of Infectious Diseases, at the University of Colorado Denver (UC Denver), where he holds adjunct appointments in the immunology and microbiology programs. He has made several major contributions to the understanding of retroviruses and is quickly becoming a leader in the study of retroviral-resistance genes. During his Ph.D. training, his work led to the discovery of the origins of HIV-1 and HIV-2 in wild monkeys and sooty mangabeys, respectively. His postdoctoral work determined the identity of the retroviral-resistance gene APOBEC3, and his lab has proceeded to characterize the APOBEC3 role in driving the production of neutralizing antibodies. The lab analyzes innate antiretroviral restriction and its relation to adaptive immunity in the context of mouse models of Friend virus infection, monkey models of simian immunodeficiency virus (SIV) infection, and samples from humans who are either resistant or susceptible to HIV infection. His work has continuously provided insights that are seen as key to the development of treatments and vaccines to combat HIV.



Mario L. Santiago

Santiago is a past recipient of the AAI Junior Faculty (now Early-Career Faculty) Award, the UC Denver Outstanding Early-Career Scholar award, and the California HIV/AIDS Research Program Postdoctoral Fellowship and is a member of the American Society for Microbiology. His scientific contributions have been published in prominent journals, including *Science*, *Nature*, *Cell*, *PNAS*, *PLoS Pathogens*, and the *Journal of Virology*.

A molecular biology and biotechnology graduate (magna cum laude) of the University of the Philippines, Santiago worked on schistosome and malaria vaccines as part of the NIH-sponsored Tropical Medicine Research Center in the Philippines and on HIV-1 molecular epidemiology as a Fogarty AIDS International Research fellow at Brown University. Santiago went on to receive his Ph.D. (microbiology) under Beatrice Hahn at the University of Alabama-Birmingham, where his work on noninvasive methods to detect SIV in wild nonhuman primates helped lead to the discovery of the HIV-1 and HIV-2 origins cited above.

Santiago was a Howard Hughes Medical Institute postdoctoral fellow in the Department of Medicine at the University of Alabama-Birmingham (principal investigator: George Shaw) and the Gladstone Institute for Virology and Immunology at the University of California, San Francisco (principal investigator: Warner Greene). He joined the UC Denver faculty in 2007.

Since 1983, the ICAAC Young Investigator Award has recognized and rewarded early-career scientists for research excellence and potential in microbiology and infectious disease. Santiago's award, which carries a cash prize of \$3,000 to support travel to the ICAAC, represents the annual ICAAC award earmarked for a researcher working in the area of HIV who resides and works in North America.

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 mwucuddy@aai.org. Thank you!

Stanley G. Nathenson, M.D., AAI '68

August 1, 1933–October 14, 2012

The following tribute was authored by Betty Diamond (AAI '80) and Matthew Scharff (AAI '64) and appears with their kind permission. AAI gratefully acknowledges the submission.

Stanley G. Nathenson was born in Denver, Colorado, in 1933. He attended Reed College in Oregon and received his M.D. from Washington University in St. Louis in 1959. At Washington University, he began his research career, working in the laboratory of Jack Strominger. He then spent two years at the NIH with Giulio Cantoni, after which, he received a Helen Hay Whitney Fellowship to study with D. A. L. Davies in Sussex, England. On completion of his fellowship, he joined the faculty of Albert Einstein College of Medicine, where he remained throughout his career.

Nathenson began studying major histocompatibility complex (MHC) antigens in 1964, and for the remainder of his career, he made critical contributions to our knowledge of the structure and function of mouse and human MHCs and their interacting molecules. Many of his findings have been landmark discoveries that were seminal to moving the field forward both in our basic understanding of cellular immunology and in its application to transplantation.

In 1964, Nathenson initiated the biochemical study and molecular identification of MHC molecules when he solubilized mouse H-2 antigens and showed that they were glycoproteins. He went on to show that the Class I and Class II are separate molecules in mouse and man and established that they bore different antigen specificities. This observation provided a cornerstone for the subsequent identification of CD4 and CD8 T cells and their roles in immunity. He then examined the basis of the genetic diversity that was evident from transplantation studies that revealed histo-incompatibility. He did this first at a protein level through the use of peptide maps and then, through a collaboration with Thomas Kindt and John Coligan, went on to determine the first complete amino acid sequence of a MHC molecule. This may not seem like much now, but because of the small amounts of proteins then available, it was a *tour de force*, requiring an innovative technology to sequence this large molecule using biosynthetic radioactive labeling. The complete sequence took years of work but paid off,



Stanley Nathenson

because it opened our eyes to different structural and functional domains of these molecules. Nathenson then used the sequences of the DNA of naturally occurring Class I mutants to show that gene conversion was responsible for genetic heterogeneity of the MHC.

In subsequent work, Nathenson used virus-infected cells to generate a large amount of an endogenously processed homogeneous peptide, and this allowed him to show that short peptides were degraded and presented by MHC molecules to the T cell receptor (TCR). In the course of these studies, he devised a widely used methodology

for isolating peptides from Class I molecules. This was again a technological *tour de force* that enabled the examination of the antigenic specificity of protective and pathogenic T cells. Through the clever use of mutants that he generated by site-directed mutagenesis of the MHC molecule, he was able to map the sites of interaction of the peptide and of the TCR onto the primary structure of the MHC. The Wiley-Strominger structure "crystallized" our understanding of this presentation process and was probably the first instance in which Stan Nathenson was not at the absolute forefront of discovery in this area. The interpretation of their findings, however, as described in their original paper, drew heavily on Nathenson's earlier mapping of the peptide-binding site and his functional studies, which they used to validate the correctness of the crystal structure. Nathenson and his collaborators quickly followed with many additional co-crystal structures of peptide-MHC complexes that added significantly to our understanding of the structural basis of the peptide presentation and MHC function. Along the way, there were many other important studies that greatly advanced our understanding of how MHC molecules interacted with β 2m and the TCR.

In his last several years, Nathenson shifted his attention to the structural basis of the functions of the costimulatory molecules in the immunological synapse, and, with the collaboration of Steve Almo and others, he provided us with a new model for the activating and suppressive interactions involving CTLA-4, PD-1, and SLAM family members and their ligands. These new and very important discoveries are already contributing greatly to our ability to control the immune response.

For almost 50 years, Stan Nathenson consistently focused on critical questions and developed new methodologies that have illuminated the structure and function of histocompatibility molecules and their partners within the immunological synapse. These studies have, at each step, greatly advanced our understanding of cellular immunology and graft rejection and, collectively, represent a stunning contribution to the field of immunology. His contributions were recognized with many awards and honors, including election to the National Academy of Sciences. Notably, he had a grant from the NIH that was funded without interruption for 45 years! Nathenson was a past major symposium speaker at the AAI annual meeting and served as an associate editor for *The Journal of Immunology*. He also participated as a member of advisory committees for the NIH and other agencies and foundations.

Nathenson came from an artistic background; his brother, sister, and wife are all artists. His very particular abilities and his love of structure no doubt related to his appreciation of art. The structures he deciphered were like sculptures. He was among the first of his generation of scientists to embrace digital imaging, as it allowed him to rotate molecules in space and visualize the same molecule in multiple representations.

Stan Nathenson was a true gentleman. He had an open door to colleagues and students. Indeed, his legacy is not only his extraordinary scientific accomplishments but is evidenced in the over 80 trainees who passed through his laboratory, learning not only the thrill of discovery but also experiencing his loyal friendship and support.

Bernardetta Nardelli, Ph.D., AAI '93

May 24, 1954–September 21, 2012

Bernardetta Nardelli, Ph.D., recently a member of the AAI staff and an accomplished immunologist with an extensive record of published research relevant to the development of biotherapeutics for autoimmunity, cancer, and AIDS, died on September 21 following an extended illness.

A resident of North Potomac, Maryland, Nardelli served from April of 2011 until September 2012 as a science associate on the editorial staff of *The Journal of Immunology*. Before coming to AAI, she was a biotechnology consultant and served as an in-house managerial and scientific consultant in the clinical development department of Cambridge Antibody Technology, Inc., in Palo Alto, California.

AAI colleagues join in paying tribute to Nardelli's contributions and collegiality. "The AAI is grieved by the loss of Dr. Nardelli," notes Executive Director Michele Hogan. "It is very hard to lose part of a work family. Bernardetta was an intelligent, thoughtful, and dedicated scientist. Moreover, she was a dignified and lovely person with a wonderful sense of humor." Added Kaylene Kenyon, AAI publication director for *The Journal of Immunology*, "Bernardetta was an accomplished scientist and a great asset to AAI. It was a pleasure to work with her and she is greatly missed."

From 1995–2004, Nardelli served as a scientist and later senior scientist in the Department of Preclinical Development/Cell Biology at Human Genome Sciences



Bernardetta Nardelli

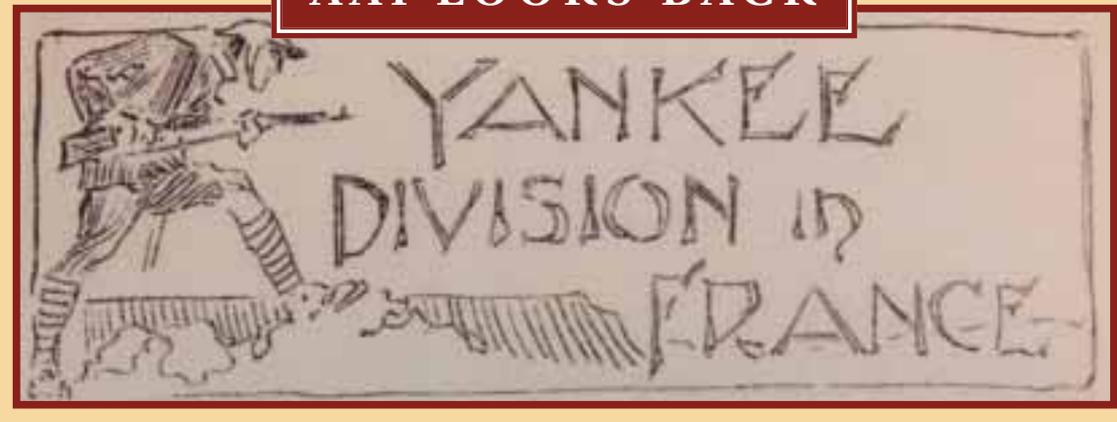
in Rockville, Maryland. There, she played a role in HGS scientists' 1999 discovery of BLYS (B Lymphocyte Stimulator), a novel human protein that stimulates B cells to mature into antibody-producing plasma B cells. Plasma B cells and the antibodies they produce constitute a critical part of the body's defense against infections and cancer.*

Born on May 24, 1954, Nardelli received her Ph.D. from the University of Perugia, where her advisor was M. C. Fioretti. She held several early-career appointments at the NIH, including as visiting fellow, visiting associate, and special volunteer. She later joined the chemistry department at the Rockefeller University as a postdoctoral associate and went on to serve as an instructor in experimental medicine at the New York University Medical Center.

In addition to her AAI membership, Nardelli was a member of the American Medical Writers Association, where she served as conference coordinator for the mid-Atlantic region, and was active with BioPharmaPM and the Project Management Institute. She served as an ad hoc reviewer for *Expert Opinion on Therapeutic Targets* and was co-holder of multiple patents related to biomedical research agents and methods.

Nardelli is survived by her husband Ralph Alderson. Donations in Bernardetta's memory may be made to Pancreatic Cancer Action Network.

* Source: www.prnewswire.com/news-releases/human-genome-sciences-to-initiate-human-clinical-trials-of-blys-73677402.html



Immunologists during the First World War: One Soldier-Scientist's Experience

Stanhope Bayne-Jones (AAI 1917, President 1930–31)

Beyond its untold cost in human suffering, the First World War profoundly affected scientific and biomedical research both in Europe and the United States. Researchers on both sides of the Atlantic necessarily refocused their intellectual energies to work in support of their nations' war efforts. As armies clashed, communications among scientists in warring nations ceased, as did opportunities for U.S. medical students to study in Europe. However huge its impact on individual M.D.s' lives and on worldwide biomedical research, the war also served to hasten dramatic changes already underway in American medical education and scientific research.

Transatlantic ties

Advancements in American science and medicine in the late nineteenth century owed a great deal to Europe. Until at least the turn of the century, U.S. medical schools and research institutes were considered inferior to their European counterparts, especially those in Germany. Men and women of science were, therefore, expected to complete their education by studying at European universities or laboratories before returning to the United States. German universities alone attracted approximately 18,000 American students from 1870 to 1900.¹

This transatlantic migration began to decline in the first 15 years of the twentieth century as a full-scale university system began to develop in the United States. For university administrators, the new system was able to tap the cadre of scientists and physicians who had studied in

Germany. And university medical schools were compelled to standardize basic educational and clinical requirements after the *Flexner Report* of 1910 criticized the schools for their failure to produce graduates of consistent quality and abilities.² As higher education in the United States evolved, the transatlantic migration slowed significantly. At the outset of the war, it ceased almost entirely.

Along with educational improvements came advancements in scientific and medical research. New scholarly societies formed, including AAI, founded in 1913, around newly defined disciplines and began publishing peer-reviewed journals, such as *The Journal of Immunology*, first published in 1916. Funding of science and medicine also changed dramatically. The federal government strengthened its commitment to scientific innovation, increasing the budget for research agencies, such as the National Bureau of Standards and the Public Health and Marine Hospital Service, and opening the Walter Reed Hospital (1909), where patient care, teaching, and research were integrated. University science and medical departments also increased their financial support for research. And, perhaps most significant, American businesses and leading philanthropists invested in science and medicine. The years 1900–1915 saw the establishment of the General Electric Research Laboratory (1900), the Rockefeller Institute of Medical Research (1901), the Carnegie Institution of Washington (1902), and the Rockefeller Foundation (1913).³

¹ Hugh Hawkins, "Transatlantic Discipleship: Two American Biologists and Their German Mentor," *Isis* 71, no. 2 (1980): 197–98.

² Abraham Flexner, *Medical Education in the United State and Canada: A Report to the Carnegie Foundation for the Advancement of Teaching, Bulletin Number Four* (New York: Carnegie Foundation, 1910); John M. Barry, *The Great Influenza: The Epic Story of the Deadliest Plague in History* (New York: Penguin, 2005), 82–87. The Flexner Report brought national attention and scrutiny to the fact that few standards for admission and graduation existed for American medical schools. Shortly after the release of the report, medical schools were forced to raise their standards. Graduates of those schools that failed to conform to the new American Medical Association rating system motivated by the Flexner Report were denied medical licenses.

³ Daniel J. Kevles, "George Ellery Hale, the First World War, and the Advancement of Science in America," *Isis* 59, no. 4 (1968): 427–28.



Walter Reed General Hospital, ca. 1915
Library of Congress, Prints & Photographs Division,
Harris & Ewing Collection

One soldier-scientist's story

At the war's outset in Europe in August 1914, more than two and a half years before the U.S. Congress declared war on Germany on April 6, 1917, just 776 of the approximately 140,000 practicing physicians and M.D.s entering the new research facilities in the United States were serving in the military.⁴ By the end of February 1918, more than 15,000 doctors were serving, and, by the time of the armistice, nine months later, that number had grown to 38,000.⁵ During this period of rapid mobilization, the professional trajectories of thousands of American physicians were altered. Entering medicine at a time that the emergence of research laboratories in the United States widened the range of career choices, this generation of American M.D.s faced a new set of choices for service in wartime: they could serve as combat physicians, work in U.S. Army laboratories, or remain in their laboratories carrying out research necessary for the war effort.

One young M.D., who put his prestigious position in immunology research on hold and volunteered in May 1917 for early deployment as a combat physician, was Stanhope Bayne-Jones, a future AAI president.

Continued next page

⁴ Barry, *The Great Influenza*, 139.

⁵ Dorothy A. Pettit and Janice Bailie, *A Cruel Wind: Pandemic Flu in America, 1918–1920* (Murfreesboro, TN: Timberlane, 2008), 43; Barry, *The Great Influenza*, 139–40.

Stanhope Bayne-Jones

The 17th President of AAI

A Biographical Sketch

Born in New Orleans on November 6, 1888, Stanhope Bayne-Jones was orphaned when his father committed suicide in 1894, one year after his mother had passed away due to complications arising from the birth of his younger brother. Bayne-Jones lived with his grandfather, Joseph Jones, a practicing physician and a professor of medicine and chemistry at Tulane University, for two years, until Joseph's death in 1896.

After a childhood filled with boarding schools and moves from one relative's home to another's, Bayne-Jones entered Yale, where he received his A.B. in 1910. Determined to follow in his grandfather's footsteps, he began his medical studies at Tulane University before transferring to the Johns Hopkins University in 1911. He received his M.D. in 1914 and remained at the Johns Hopkins Hospital as house officer (1914–15) and assistant resident pathologist (1915–16). After he was appointed head of the new Laboratory of Bacteriology and Immunology at Johns Hopkins in early 1916, Bayne-Jones studied bacteriology and immunology under Hans Zinsser (AAI 1917, president 1919–20) at the Columbia University College of Physicians and Surgeons in New York for six months before the laboratory opened.

Bayne-Jones joined the U.S. Army Medical Reserve Corps (MRC) in 1915. He was commissioned at the rank of first lieutenant and promoted to captain the following year. In May 1917, he volunteered to be integrated into the British Expeditionary Force. He was reassigned to the American Expeditionary Forces upon their arrival in March 1918. After the armistice, he was promoted to major and remained in Germany until he was relieved of active duty in May 1919.

Bayne-Jones returned to Johns Hopkins in the summer of 1919 and became assistant professor of bacteriology the following year. In 1923, he accepted a position as a professor of bacteriology at the recently opened University of Rochester School of Medicine and Dentistry. He left Rochester in 1932 and became a professor of bacteriology at Yale University School of Medicine, where he was appointed dean three years later. From 1932 to 1938, he was also Master of Trumbull College at Yale.

When the Second World War began in 1939, Bayne-Jones was promoted to lieutenant colonel in the MRC and, two years later, headed the Commission on Epidemiological Survey of the Board for the Investigation and Control of Influenza and other Epidemic Diseases in the Army. From 1942 to 1946, Bayne-Jones was once again an active-duty officer, serving multiple positions within the Office of the Surgeon General. He quickly rose through the ranks, becoming colonel in 1942 and brigadier general in 1944. He was relieved from active duty in 1946 and, the following year, accepted an appointment as president of the Joint Administrative Board of the New York Hospital-Cornell Medical Center, a position he held until 1953. After serving as the technical director of research and development for the Office of the Surgeon General (1953–56), Bayne-Jones was appointed by the secretary of the U.S. Department of Health, Education, and Welfare in 1957 to chair an advisory committee charged with establishing guidelines for National Institutes of Health research following that year's dramatic increase in the NIH budget.

His many military and civilian honors include a British Military Cross (1917), a French *Cruix de Guerre* (1918), election to the American Philosophical Society (1944), the U.S. Typhus Commission Medal (1945), the Chapin Medal of the Rhode Island State Medical Society (1947), the Bruce Medal of the American College of Physicians (1949), the Passano Foundation Award (1959), and a Decoration for Outstanding Civilian Service from the U.S. Army (1965).

In addition to serving AAI as president (1930–31), Bayne-Jones was an associate editor of *The Journal of Immunology* (1936–49).

Bayne-Jones died at his home in Washington, DC, on February 20, 1970, at the age of 81.

This biographical sketch is compiled from Stanhope Bayne-Jones, "Curriculum Vitae," American Association of Immunologists Records, Box 8, Folder 11, University of Maryland, Baltimore County, and Albert E. Cowdrey, *War and Healing: Stanhope Bayne-Jones and the Maturing of American Medicine* (Baton Rouge: Louisiana State University Press, 1992).



Stanhope Bayne-Jones, ca. 1917
National Library of Medicine, Stanhope
Bayne-Jones Papers

His experiences illustrate some of the many challenges and issues faced by physicians, including future immunologists, in military service. All would face such dilemmas as when and where to volunteer their services, how to cope with the trauma of war, and how to readjust to the laboratory after the war.

Stanhope Bayne-Jones earned his M.D. at the Johns Hopkins University in 1914 under William Welch, dean of the Johns Hopkins School of Medicine.⁶ Founded in 1893 and based on the German system, the Johns Hopkins University School of Medicine was praised in the Flexner Report as “the first medical school in America of genuine university type.”⁷ After graduating with high honors, Bayne-Jones remained at Johns Hopkins, where he rose from House Officer in Medicine to Assistant Resident Pathologist within one year. In early 1916, he was offered and accepted the opportunity to head the new Laboratory of Bacteriology and Immunology in the Department of Pathology at the Johns Hopkins Hospital.

Despite research opportunities emerging in the rapidly changing American medical and scientific landscape, the U.S. declaration of war in April meant that recent graduates, by May 1917, were considering how they could best contribute to the war effort.

Enlisting qualified army physicians in the Medical Reserve Corps (MRC)

The number of army physicians rose dramatically with the rapid growth of the standing U.S. Army following the 1917 draft. The ranks of the army had expanded from fewer than 200 thousand troops in March 1917 to over one million within a matter of months. Many of the most prominent men in medicine volunteered their services, including Welch, Victor Vaughan⁸ (AAI 1915), and Simon Flexner⁹ (AAI 1920).

Already, at the outset of hostilities in Europe, U.S. Surgeon General William C. Gorgas was concerned with enlisting enough qualified physicians in the Army MRC to ensure military preparedness. One of the first physicians he solicited was his grandnephew Stanhope Bayne-Jones. When “Uncle Willie”¹⁰ wrote his nephew in the summer of 1915, Bayne-Jones was just beginning his career at Johns Hopkins.¹¹



The Johns Hopkins Hospital, ca. 1910

Library of Congress, Prints & Photographs Division, Detroit Publishing Company Collection

Gorgas described the role that the MRC would play if the United States were to enter the war and the duties of corps volunteers as follows:

*Under the law you could never be called into service, except with your own consent; nor is it compulsory to have any military training. In case of war, if you should desire field service, military training that you had received before would be a very great advantage to you, but the large bulk of the Reserve Corps would not go into the field in case of war. Unless you desire field service you would be placed on duty, in case of war, at some general hospital where your duties would be purely professional. In the time of war we would have general hospitals located in most of our large cities. The great object of the Reserve Corps is to get a registered list of medical men who could be called upon for such duties, always with their own consent.*¹²

Bayne-Jones needed little encouragement. He enlisted almost immediately and was commissioned as a first lieutenant in the U.S. Army MRC on August 18, 1915.¹³

⁶ William Welch (1850–1934), physician, scientist, and administrator, served as dean of Johns Hopkins School of Medicine and was the first director of the School of Hygiene and Public Health as well as the Institute of the History of Medicine. Although never an AAI member, Welch served on the Advisory Board of *The Journal of Immunology* (1916–34). In 1896, Welch founded *The Journal of Experimental Medicine*. For more information on the relationship between Bayne-Jones and Welch, see Albert E. Cowdrey, *War and Healing: Stanhope Bayne-Jones and the Maturing of American Medicine* (Baton Rouge: Louisiana State University Press, 1992), especially chapters 2 and 3.

⁷ Flexner, *Medical Education*, 12.

⁸ Victor Vaughan (1851–1929), biochemist, hygienist, public health authority, medical educator, and dean of the University of Michigan Medical School (1891–1920), served on the Advisory Board of *The Journal of Immunology* (1916–1929).

⁹ Simon Flexner (1863–1943), scientist and first director of the Rockefeller Institute for Medical Research (1901–1935), was an Active (1920–1936) and Honorary (1936–1943) member of AAI and served on the Advisory Board of *The Journal of Immunology* (1916–1935).

¹⁰ Gorgas’s mother was the great aunt of Bayne-Jones.

¹¹ William Gorgas to Stanhope Bayne-Jones (SBJ), June 17, 1915, Stanhope Bayne-Jones Papers, Box 7, Folder 16, “Medical Reserve Corps, 1915–1916,” National Library of Medicine, Bethesda, MD [hereafter “SBJP-NLM”].

¹² William Gorgas to SBJ, June 29, 1915, SBJP-NLM, Box 7, Folder 16, “Medical Reserve Corps, 1915–1916.”

¹³ Memo from the Adjutant General of the Army to SBJ, August 18, 1915, SBJP-NLM, Box 7, Folder 16, “Medical Reserve Corps, 1915–1916.”

On April 6, 1917, the same day that the U.S. Congress issued its formal declaration of war, the AAI Council interrupted its proceedings to pass a resolution offering “the services of trained bacteriologists and immunologists and the facilities of their respective laboratories” to federal and state governments.¹⁴

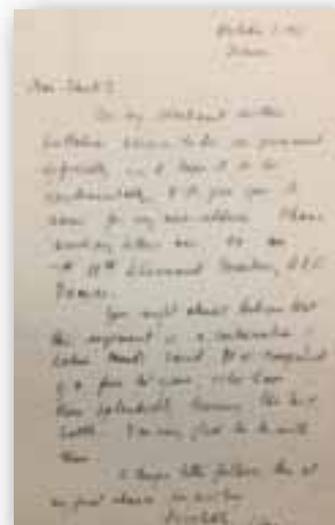
Many members remained in their laboratories during the war, pursuing research for the war effort. The majority of this research, typified by the work of Anna Wessel Williams (AAI 1918) and William H. Park (AAI 1919, president, 1918–19), was focused on the influenza pandemic (see *AAI Newsletter*, March/April 2012). Convinced that scientists at the Rockefeller Institute could better support the war effort if they remained together than if they were dispersed, Simon Flexner arranged with Gorgas to keep the Rockefeller laboratories intact as one army unit.¹⁵ Other AAI members serving in the MRC were sent to U.S. Army training camps or military hospitals and laboratories in Europe. Among the volunteers were Richard Weil (AAI 1914, president 1916–17), who served as chief of medical service at Camp Wheeler, Georgia, until November 1917, when he died of complications from pneumonia; Martin J. Synnott (AAI 1913, secretary 1913–18), who studied the pandemic influenza at Camp Dix, New Jersey;¹⁶ Rufus Cole (AAI 1917, president 1920–21), who chaired the Pneumonia Commission in charge of researching outbreaks of the disease at Army training

camps;¹⁷ and Hans Zinsser (AAI 1917, president 1919–20), a good friend of Bayne-Jones, who was stationed in France as an Army sanitary inspector and assistant director of the Division of Laboratories and Infectious Diseases.¹⁸

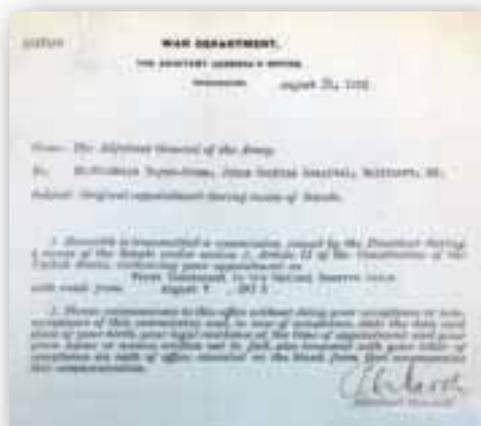
Preparing for the front

The vast majority of American troops spent 1917 training in the United States and did not arrive in Europe until spring 1918. Bayne-Jones, however, was one of a relatively small number of American soldiers who volunteered to be integrated into the British Expeditionary Force (BEF) nearly one year before the American Expeditionary Forces arrived *en masse*. Assured that his position at Johns Hopkins would be waiting for him upon his return, Bayne-Jones set sail for London on the S.S. *Orduna* in May 1917 and joined the 69th Field Ambulance of the BEF by the end of the month.¹⁹ Shortly after arriving in France with the 69th Field Ambulance, he explained his decision to volunteer in a letter home to his sister Marian: “With these big things going on I could not stay still in Baltimore with the prospects of remaining repressed as a Teacher of Bacteriology or of being assigned to the prosaic medical duties of a Training Camp. No doubt both of these activities would be as useful and safer than what I can do over here; but this has the interest: It is like living in the Sunday pictorial of the New York Times.”²⁰

Stationed at a hospital behind the lines in May and early June, Bayne-Jones heard “wonder-tales” from the wounded British troops about an “earthquake battle,” which made him long to get to the front lines. By the end of the month, he had received orders sending him to the Belgian front. After receiving mandatory training on the proper use of his gas mask, he boarded a train on June



Letter home, ca. 1917
National Library of Medicine, Stanhope Bayne-Jones Papers



Bayne-Jones MRC commission, ca. 1915
National Library of Medicine, Stanhope Bayne-Jones Papers

Continued next page

¹⁴ “Minutes of the Fourth Annual Meeting—1917,” April 6–7, 1917, AAI Archives.

¹⁵ Barry, *The Great Influenza*, 140.

¹⁶ Martin J. Synnott and Elbert Clark, “The Influenza Epidemic at Camp Dix, N.J.,” *The Journal of the American Medical Association* 71, no 22 (1918): 1816–21.

¹⁷ Other members of the Pneumonia Commission included many future AAI members and presidents: Francis Blake (1921, president 1934–35), Thomas Rivers (1921, president 1933–34), and Eugene Opie (1923, president 1928–29). Pettit and Bailie, *A Cruel Wind*, 81–82; Barry, *The Great Influenza*, 164–65.

¹⁸ Simeon Burt Wolbach, “Hans Zinsser, 1878–1940,” *Biographical Memoirs* (Washington, DC: National Academy of Sciences, 1947), 327–28.

¹⁹ W. MacCallum to SBJ, May 1, 1917, SBJP-NLM, Box 7, Folder 12, “Johns Hopkins University, 1915–1918”; Stanhope Bayne-Jones, “Curriculum Vitae (to 1968),” American Association of Immunologists Records, Box 8, Folder 11, “Bayne-Jones, Stanhope,” Center for Biological Sciences Archives, University of Maryland, Baltimore County [hereafter AAI-UMBC]. Bayne-Jones was initially assigned to the 23rd Division, 69th Field Ambulance, BEF.

²⁰ SBJ to Marian Jones, June 11, 1917, SBJP-NLM, Box 7, “Correspondence.”

20, 1917, to join his unit near Ypres. As the nearly 24-hour train ride to the front came to an end, he recorded his initial impressions of the war: "We not only hear the guns, but sometimes see the effects of their shells, which are still far enough away to be 'interesting.'"²¹

The work that Bayne-Jones did in the 69th was a far cry from the research he left in Baltimore. He served in many capacities as a part of the field ambulance, the most basic unit of medical care in the BEF. Every division had three field ambulance units, each with two companies of stretcher bearers and orderlies. When soldiers were injured, they were taken from the front by stretcher to an assembly point on the line in the rear, where they were triaged. If their wounds were serious enough, they were sent further behind the lines to a central station, then to a divisional collection point, and, finally, to an advanced dressing station. At each point, the wounded soldier was assessed, and if he was deemed to be in too poor a condition, he was treated on the spot rather than sent to the next station.²²



American soldiers in the trenches, ca. 1918
National Library of Medicine, Stanhope Bayne-Jones Papers

In the trenches

Bayne-Jones slowly worked his way to the front lines. Under mortar fire for the first time in early July, he reported that he was not as "scared as I thought I would be."²³ By month's end, however, the reality of the war began to set in after a night of shelling and gas attacks by the Germans.

*Nearly every night [the German army] sends thousands of shells of poison gas which complicate life very much. We have to sit up long hours with our heads in the gas helmets, sweating, half suffocated, dribbling, hardly able to see through the eye pieces that get so steaming it makes it hard to take care of the wounded, and the poor fools who lose their heads and get gassed because they forget to put on their helmets. . . . I believe I'd rather get bumped by a shell than spend nights down in one of those narrow saps, which have been inhabited by men and populated by vermin the last three years.*²⁴

Despite his first taste of the horrors of war, Bayne-Jones was steadfast in his desire to remain in the field hospital. He found that the "work to be done here was as useful as any that I could accomplish by sticking at the Base. . . . [I]t certainly is more rewarding to take care of the men when they are in the most trouble. Even without that, the sights and thrilling parts we sometimes share make the seats on the stage worth the price of the risk."²⁵

Reflecting on his initial encounter with trench warfare, Bayne-Jones wrote that it was "my first dash of real life." He confessed, however, that the "medical experience is nil." "I've seen a lot of ghastly wounds and blood of course," he explained, "but we handle cases only to get them back to the hospital, and hence cannot follow them for study. Besides I seem to have lost interest in medicine and bugs—temporarily." He still intended to "settle down as a 'professor' somewhere" after the war.²⁶ But, as he admitted three months later in a letter home, he was forgetting "everything I ever knew of Bacteriology and medicine." Yet he had no regrets: "I'll be pretty ignorant of what I was trained to follow when this war is over, but I have seen some things! And shared the mud and cold with men 'out there'—and that will give me much consolation until I learn the other once more."²⁷



Bayne-Jones (front row, center) on the front, ca. 1918
National Library of Medicine, Stanhope Bayne-Jones Papers

²¹ SBJ to Edith Bayne Denegre ("Tante E."), June 23, 1917, SBJP-NLM, Box 7, "Correspondence."

²² Cowdrey, *War and Healing*, 55.

²³ SBJ to Tante E., July 4, 1917, SBJP-NLM, Box 7, "Correspondence."

²⁴ SBJ to Marian Jones, July 21, 1917, SBJP-NLM, Box 7, "Correspondence."

²⁵ SBJ to Tante E., August 5, 1917, SBJP-NLM, Box 7, "Correspondence."

²⁶ SBJ to Marian Jones, August 12, 1917, SBJP-NLM, Box 7, "Correspondence."

²⁷ SBJ to Tante E., October 27, 1917, SBJP-NLM, Box 7, "Correspondence."

Life on the front, with its “quick mud and chilly rain, and the immeasurable suffering,” as well as constant shelling, became almost a regular routine for Bayne-Jones in late 1917 and early 1918.²⁸ Early in the new year, a holiday care package from home finally arrived. The welcomed contents included “shaving soap, fine glycerin soap, some poison soap for the ‘totos’ as the poilus²⁹ call lice, cold cream, Vaseline, and a big lot of Hershey’s Chocolate.”³⁰ Lice and threadbare uniforms had been recurring themes of his stories home.

The Americans arrive

When the American Expeditionary Forces arrived in Europe in spring 1918, Bayne-Jones knew that he would soon be reassigned to an American unit, and he acknowledged that there were times he wished he “were back with the interests of the Laboratory.”³¹ In March, he was relieved from duty with the English battalion and ordered to report to a U.S. Army research laboratory in Paris, far removed from the “show” at the front.³² Although he “couldn’t have asked for better opportunities than were offered” at the laboratory, Bayne-Jones “felt that I *couldn’t* stick at a desk back there, while there was a war going on up front.”³³ A position as a battalion doctor was “by far and away the best for me as a human being, even if I am forgetting all the technical training I ever had, and which I believe is the best my efforts can do for the men over here.”³⁴ His request for a transfer from the laboratory was granted, and he soon returned to the front in eastern France as the battalion surgeon to the 26th Division, 3rd Battalion, 101st Infantry.³⁵

As many of the newly won trenches on the French front were similar to his first experience with the British—knee deep in mud and infested with rats and lice—Bayne-Jones taught elementary sanitation to the new troops.

His role as battalion surgeon extended beyond the men under his watch to a “‘civilian’ practice in some poor villages” that his battalion had liberated from the Germans. It was a role that gave Bayne-Jones some comfort and relief, as “most of my patients were kids five or seven years old, with various troubles. All of them look like the lovely pictures in those old French song books we used to have and are appealing bright little people. It is very pleasant to be able to do anything for them.”³⁶

The 101st saw constant action throughout the majority of the spring of 1918, and a certain mix of weariness and wonderment had replaced Bayne-Jones’s initial excitement in his letters home.

*My luck has been with me this time—I have just gotten out of places before shelling began, or come into a sector just after the shelling has ended. Last night, however, a German aeroplane stopped over us in the twilight and gave us quite a scare with his machine gun. When you realize that the bullets are going beyond you, the exhibition seems lovely. The bullets sound like picking the three top strings of a harp, and the tracer-bullets on fire look like fireflies in the evening.*³⁷

A newfound concern for his own mortality also began to appear in his letters. “You never know when the noise and iron are going to drive your spirits out to the quiet fields above the balloons and aeroplanes,” he wrote in May.³⁸ Bayne-Jones admitted that the shells were getting on “my nerve now as they never did before”—the war was simply “going on too long.”³⁹

His letters also revealed a mounting homesickness. He described a “quiet moment” after going “over the top” on a successful raid, during which he “howled for the unattainable like a dog howling for the moon.”⁴⁰

Continued next page



German trench, ca. 1918

National Library of Medicine, Stanhope Bayne-Jones Papers

²⁸ SBJ to Alma Denegre, October 18, 1917, SBJP-NLM, Box 7, “Correspondence.”

²⁹ Poilus was a warm, informal term for a French infantryman during the First World War, meaning, literally, hairy one.

³⁰ SBJ to Tante E., January 7, 1918, SBJP-NLM, Box 7, “Correspondence.”

³¹ SBJ to Tante E., December 12, 1917, SBJP-NLM, Box 7, “Correspondence.”

³² SBJ to George Denegre, December 23, 1917, SBJP-NLM, Box 7, “Correspondence.”

³³ SBJ to Tante E., April 5, 1918, SBJP-NLM, Box 7, “Correspondence” [emphasis in original].

³⁴ SBJ to George Denegre, June 20, 1918, SBJP-NLM, Box 7, “Correspondence.”

³⁵ For additional information on the U.S. Army ambulance service in the First World War, see Cowdrey, *War and Healing*, 62–63; Richard V. N. Ginn, *The History of the U.S. Army Medical Service Corps* (Washington, DC: Office of the Surgeon General and Center of Military History, United States Army, 1997), 37–51; Stanhope Bayne-Jones “The Duties of a Battalion and Regimental Surgeon,” November 25, 1918, SBJP-NLM, Box 9, Folder 11, “26th Yankee Division AEF—Armistice and After.”

³⁶ SBJ to Tante E., July 2, 1918, SBJP-NLM, Box 7, “Correspondence.”

³⁷ SBJ to Tante E., May 15, 1918, SBJP-NLM, Box 7, “Correspondence.”

³⁸ SBJ to Tante E., May 30, 1918, SBJP-NLM, Box 7, “Correspondence.”

³⁹ SBJ to George Denegre, June 20, 1918, SBJP-NLM, Box 7, “Correspondence.”

⁴⁰ SBJ to Marian Jones, June 2, 1918, SBJP-NLM, Box 7, “Correspondence.”

Pandemic influenza

In July, Bayne-Jones was promoted to regimental surgeon of the 103rd Infantry and given his first leave from the front after many months of tough fighting. He spent the majority of his time in Paris, where he contracted the pandemic influenza that was infecting and killing millions around the world. He described his bout with the “grippe” as taking “away interest in life” and explained that “the days have been so monotonous that I hardly noticed how many passed.”⁴¹ Aware that “influenza and pneumonia [have] hit some places” in America “pretty hard,” he worried about family at home “catching the ‘flu.’”⁴² His illness and convalescence kept Bayne-Jones from the front lines until September 1918.

Armistice and after

His return to the front coincided with the 47-day Meuse-Argonne Offensive,⁴³ part of the final offensive of the Allied forces. The conditions where the 103rd was located were “wet and cold,” and the men “slept in an oozing hole in the hillside.”⁴⁴ Beyond the physical effects of the war, Bayne-Jones was noticing mental changes in himself and his men.



Flu ward, ca. 1918

Library of Congress, Prints & Photographs Division

⁴¹ SBJ to George Denegre, September 2, 1918, SBJP-NLM, Box 7, “Correspondence.”

⁴² SBJ to Tante E., November 26, 1918, SBJP-NLM, Box 7, “Correspondence.”

⁴³ Also called the Battle of the Argonne Forest.

⁴⁴ SBJ to Susan Jones, September 27, 1918, SBJP-NLM, Box 7, “Correspondence.”

⁴⁵ SBJ to Susan Jones, September 27, 1918, SBJP-NLM, Box 7, “Correspondence.”

⁴⁶ SBJ to Marian Jones, November 11, 1918, SBJP-NLM, Box 7, “Correspondence.”

⁴⁷ SBJ to Marian Jones, January 16, 1919, SBJP-NLM, Box 7, “Correspondence.”

⁴⁸ Cowdrey, *War and Healing*, 69–71; Bayne-Jones, “Curriculum Vitae,” AAI-UMBC, Box 8, Folder 11, “Bayne-Jones, Stanhope.”

While the shells shriek overhead and burst with a deafening roar, throwing up clods of earth and chunks of the flotsam and jetsam of the battlefields, while the sizzling shrapnel rattles on the tin hats of the stalwart Yanks, crowding the muddy shell holes, while the machine gun bullets chirp overhead and spurt against the elephant iron, while all these horrors are taking place I am neither deafened nor afraid because I am in a hole 30 feet underground in a [German] dug-out. Isn't it a joke what the newspapers write up about battles!

Capt. Stanhope Bayne-Jones
November 5, 1918
France

“Like most unpleasant things, the war is in danger of being forgotten by us here at any moment—‘submerged into the unconscious processes,’ as the psychologists say.”⁴⁵

During the offensive, Kaiser Wilhelm II began making overtures that Germany would accept a peace treaty. And, at the stroke of 11:00 in the morning on November 11, 1918, “suddenly all the guns behind us stopped barking and rolling, the last ‘Freight car’ rattled over our heads, and all the machine guns suddenly stopped, though they had been rioting away up to the very last minute.” The quiet was “mysterious, queer, unbelievable,” but no one “shouted or threw his hat in the air.” Although the war was over, the soldiers of neither side found the armistice “exciting” at first. As the day turned into night, however, the front began to look to Bayne-Jones like “a Fourth of July celebration,” as unused flares and signal rockets from both armies illuminated the sky with their many colors well into the night.⁴⁶

On November 14, Bayne-Jones was promoted to the rank of major and became the sanitation inspector in Koblenz, Germany, as part of the army of occupation. Longing for home, he quickly turned to the same connections that got him to the front in the summer of 1917.⁴⁷ William Gorgas and William Welch were successful in their lobbying efforts, and Bayne-Jones was back on American soil on May 28, 1919. Two days later, he was honorably discharged from the U.S. Army.⁴⁸

Returning to the laboratory

Bayne-Jones soon returned to his academic position at Johns Hopkins to resume his research, but he found the transition back to life in the laboratory difficult. “Everybody here is either played out from having had to

work shorthanded in the school during the war or restless because they were in Europe during the war. Even the men who were in the Hopkins unit in France and have been back here since February are not yet settled into their work—or their feelings.”⁴⁹



Hans Zinsser
National Library of Medicine, History of Medicine Division

Hans Zinsser, who had served as a medical officer in France during the war, echoed his good friend’s sentiments about returning to the laboratory. In an early July 1919 letter to Bayne-Jones, he wrote, “It was difficult for me to readjust and the enthusiasm for the old problems is only now returning.”⁵⁰

Although the transition to civilian life may have been initially difficult for many immunologists, a number of them began making significant advancements

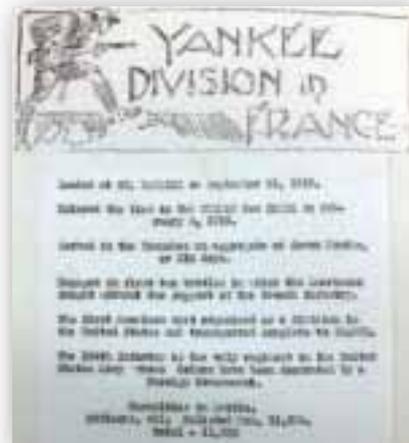
in clinical and basic research. The leadership skills that this generation of investigators had acquired during war-time service appear to have served them well in their rise through the ranks of academia and scientific and medical organizations, including AAI. Not only did Bayne-Jones and Zinsser become AAI presidents, so too did other veterans: Francis Blake (1921, president 1934–35), Thomas Rivers (1921, president 1933–34), and Eugene Opie (1923, president 1928–29).

For researchers in Europe, the war’s impact on their home institutions was more immediate and often longer lasting. Nobel laureate Jules Bordet (AAI 1960) was unable to continue his experimental research in occupied Belgium, although he did use the war years to write a classic book on immunity and infectious disease, *Traité de l’Immunité dans les Maladies Infectieuses*.⁵¹ Karl Landsteiner (AAI 1922, president 1927–28), then the chief pathologist at the Wilhelmina Hospital in Vienna, felt the war’s effects long after its conclusion. The shortage of resources in post-war Vienna forced him to leave his homeland for the Netherlands before permanently relocating to New York and joining the Rockefeller Institute in 1923.⁵²

Nevertheless, some of the war’s dislocations helped advance scientific research. Almroth Wright and Alexander Fleming of St. Mary’s Hospital, London, spent the war years serving in the Royal Army Medical Corps in a makeshift laboratory in France. It was Fleming’s first-hand

observations of the harmful effects of antiseptics on wounded soldiers that started him on the search for a non-toxic antibacterial substance that ended with his discovery of penicillin.⁵³

Although many immunologists, like Stanhope Bayne-Jones, survived the war and thrived in the decades that followed, there is no telling how many current and future immunologists were among the 9–10 million soldiers who died during the Great War or were included in the approximately 675,000 Americans, or the conservatively estimated 20 million worldwide, who fell victim to the pandemic influenza that the movement of troops helped create.⁵⁴



Yankee Division in France, ca. 1919
National Library of Medicine, Stanhope Bayne-Jones Papers



The Johns Hopkins Pathology Department Staff, ca. 1921.
(Bayne-Jones, front row, second from left)

National Library of Medicine, Stanhope Bayne-Jones Papers

⁴⁹ SBJ to Marian Jones, August 2, 1919, SBJP-NLM, Box 11, Folder 6, “Johns Hopkins University Correspondence I, 1919–1923.”

⁵⁰ Hans Zinsser to SBJ, July 8, 1919, SBJP-NLM, Box 11, Folder 5, “Johns Hopkins University Correspondence I, 1919–1923.”

⁵¹ Jules Bordet, *Traité de l’Immunité dans les Maladies Infectieuses* [Treatise on Immunity in Infectious Diseases] (Paris: Masson et cie, 1920).

⁵² Michael Heidelberger, “Karl Landsteiner, 1868–1943,” *Biographical Memoirs* (Washington, DC, National Academy of Sciences, 1969), 180.

⁵³ Leonard Colebrook, “Alexander Fleming, 1881–1955,” *Biographical Memoirs of Fellows of the Royal Society* 2 (November 1956): 117–27.

⁵⁴ Barry, *The Great Influenza*, 396–97.

AAI Supports Early Career Investigators at the 13th Colorado Immunology Conference

AAI continues to support early career scientists' opportunities to present their science and to acknowledge the contributions of AAI members who serve as volunteer chairs and coordinators of immunology meetings offering these vital opportunities.



Laurel Lenz

AAI supported the 13th Colorado Immunology Conference (CIC), chaired by Laurel Lenz, AAI '05, of National Jewish Health in Denver. The meeting, held September 12–14 in Vail, Colorado, drew nearly 200 participants, primarily graduate students and postdoctoral fellows. Attendees also included a number of lab technicians.

A highlight of the meeting each year is a keynote address, named in honor of the late Priscilla Ann (Pixie) Campbell, AAI '73. The invited lecturer for the address, sponsored this year by AAI, was Megan Sykes, AAI '89 (see sidebar on page 25). Sykes was introduced by John Cambier, AAI '78, chair, Integrated Department of Immunology at the University of Colorado School of Medicine and National Jewish Health.

In addition to the Pixie Campbell Memorial Lecture, AAI sponsored the eight AAI Young Investigator Awards presented at CIC. Winners were graduate students Courtney Fleenor, University of Colorado Denver; Ashley Nicole Desch, National Jewish Health; Lenka Teodorovic, National Jewish Health; and Francesca Alvarez-Calderon, University of Colorado Denver



John Cambier presenting AAI Young Investigator Award to Natalie Bowerman

School of Medicine; and post-docs Romain Bedel, National Jewish Health; Tullia Bruno, National Jewish Health; Natalie Bowerman, University of Colorado Denver; and Kira Rubtsova, National Jewish Health. Cambier presented the AAI Young Investigator Awards on behalf of AAI.



CIC attendees at "The Fifties"-themed dinner event



Eric Clambey, AAI '11 (at right) discussing his work with Nicholas Bishop



Darlynn Korns-Johnson presenting her abstract

Recipients were chosen from two judged-poster sessions that focused on autoimmune disease, cancer immunology, and innate immunity. The last oral session of the meeting featured short talks by four of the AAI Young Investigator Award winners as well as two presentations on technologies and the use of biorepositories.

During breaks, participants took full advantage of the fall setting amidst Colorado's golden aspens and fragrant pines to continue their discussions of science on strolls or hikes on the trailheads.

For "The Fifties"-themed dinner event, attendees donned period attire, participated in paddle-ball and hoola-hoop contests, and danced to the music of the time.

AAI gratefully acknowledges Laurel Lenz for his assistance in preparing this article.

Megan Sykes, AAI '89, Delivers the Pixie Campbell Memorial Lecture at 2012 Colorado Immunology Conference



Colorado Immunology Conference keynote speaker Megan Sykes, AAI '89, the 2012 Pixie Campbell Lecturer

Megan Sykes, AAI '89, director of Columbia Center for Translational Immunology, Columbia University College of Physicians and Surgeons, and director of research, Transplant Initiative, NewYork-Presbyterian Hospital, delivered the keynote address at the 2012 Colorado Immunology Conference (CIC), held September 12–14 in Vail. Her lecture was titled "Translational Studies of Tolerance Induction."

The CIC keynote address carries the name of the late Priscilla Ann (Pixie) Campbell, AAI '73. Campbell was a much-admired head of the Basic Immunology Division in the Department of Medicine at National Jewish Medical and Research Center and professor of immunology at the University of Colorado Health Sciences Center when, in 1998, she succumbed to cancer at age 57 after a long struggle. She was one of the first women to earn tenure at the Colorado University School of Medicine and was author or co-author of 101 scientific articles, a number of which appeared in *The Journal of Immunology*. She was praised as a generous mentor of trainees and a role model for women in science. In her honor, the CIC named its opening address for her and reserves that lecture for women.

Other distinguished AAI women members to deliver the Pixie Campbell Memorial Lecture in the past 10 years include:

- 2011 Ann Feeney, AAI '85, Harvard Medical School
- 2009 Elizabeth Jaffee, AAI '97, Johns Hopkins University School of Medicine
- 2008 Pamela Schwartzberg, AAI '01, NIH, NHGRI
- 2007 Olivera Finn, AAI '83, University of Pittsburgh School of Medicine
- 2006 Christine Biron, AAI '84, Brown University
- 2005 Ellen Vitetta, AAI '74, Southwestern Medical Center
- 2004 Ellen Robey, AAI '95, University of California, Berkeley
- 2003 Diane Mathis, AAI '99, Harvard Medical School
- 2002 Kim Bottomly, AAI '79, Wellesley College



New members listed below appear in alphabetical order by state (U.S.) and country (International).

AAI Welcomes New Members (2012) Attains New Record High Membership

Having grown from 54 members in 1913 to 7,635 for 2012, AAI membership has risen to an **all-time high!** AAI has a stronger voice than ever, one that advocates on your behalf, especially for vital NIH funding and reduced regulatory burdens.

Members are proud of their association with AAI and benefit from career development programs, networking opportunities, scientifically strong meetings and courses, and a top-ranking scientific journal, *The Journal of Immunology*.

Please personally welcome those you know among the new members listed below and make a point of introducing yourself to those near you whom you haven't met.

REGULAR

U.S.

Andrea Ferrante, M.D.
Fairbanks, Alaska

Andre Ballesteros-Tato, Ph.D.
Birmingham, Alabama

Beatriz León Ruiz, Ph.D.
Birmingham, Alabama

Mohamed Ameen Mohamed Ismahil, Ph.D.
Birmingham, Alabama

Roy Curtiss, III, Ph.D.
Tempe, Arizona

Melissa M. Herbst-Kralovetz, Ph.D.
Phoenix, Arizona

Pawel R. Kiela, D.V.M., Ph.D.
Tucson, Arizona

Nicolas Larmonier, Ph.D.
Tucson, Arizona

Bas Baaten, Ph.D.
La Jolla, California

Robert Balderas, M.B.A.
San Diego, California

Jonathan A. Deane, Ph.D.
San Diego, California

R. William DePaolo, Ph.D.
Los Angeles, California

Anna Di Nardo, M.D., Ph.D.
La Jolla, California

Yvonne Drechsler, Ph.D.
Pomona, California

Sonia Feau, D.O., Ph.D.
La Jolla, California

Amir Horowitz, Ph.D.
Stanford, California

Katrina K. Hoyer, Ph.D.
Merced, California

Christine L. Hsieh, Ph.D.
San Francisco, California

Nilgun Isik, Ph.D.
San Francisco, California

Young J. Kang, D.O., Ph.D.
La Jolla, California

Charlie Kim, Ph.D.
San Francisco, California

Kay K. Lee-Fruman, Ph.D.
Long Beach, California

Dennis B. Leveson-Gower, Ph.D.
Palo Alto, California

Xiping Liu, Ph.D.
San Francisco, California

Kimberly A. Livingston, Ph.D.
San Luis Obispo, California

Diane M. Longo, Ph.D.
Foster City, California

Li-Fan Lu, Ph.D.
La Jolla, California

Jian Ma, M.D.
Duarte, California

Kathrin S. Michelsen, Ph.D.
Los Angeles, California

Brian Moldt, Ph.D.
La Jolla, California

Sung K. Moon, M.D., Ph.D.
San Francisco, California

Edith Porter, M.D.
Los Angeles, California

Jennifer M. Puck, M.D.
San Francisco, California

Stephanie J. Ramos, Ph.D.
La Jolla, California

Kristina Rothausler, Ph.D.
Davis, California

Daniel R. Salomon, M.D.
La Jolla, California

Christopher S. Schaumburg, Ph.D.
Irvine, California

Neil C. Sheppard, Ph.D.
San Diego, California

Alejandra Solache, Ph.D.
Temecula, California

Michael E. Stern, Ph.D.
Irvine, California

Selvakumar Sukumar, Ph.D.
Fremont, California

John Sundsmo, Ph.D.
Port Hueneme, California

Yoshikazu Takada, M.D., Ph.D.
Sacramento, California

Ricardo Valle-Rios, Ph.D.
Irvine, California

Leanne W. Vollger, Ph.D.
Eureka, California

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AAI Courses in Immunology

2013 Introductory Course in Immunology

July 13–18, 2013

The University of Pennsylvania, Philadelphia, Pennsylvania

Director: Michael P. Cancro, Ph.D.

University of Pennsylvania School of Medicine

Co-Director: Christopher A. Hunter, Ph.D.

University of Pennsylvania School of Veterinary Medicine

This intensive two-part course, taught by world-renowned immunologists, provides a comprehensive overview of the basics of immunology. This course is for students new to the discipline or those seeking more information to complement general biology or science training. Part I (July 13–15) is a detailed introduction to the basic principles of immunology and is suitable for students with a general biology background. Part II (July 16–18) is a clinically oriented lecture series. Parts I and II may be taken independently at the discretion of the student.

2013 Advanced Course in Immunology

July 28–August 2, 2013

Seaport World Trade Center, Boston, Massachusetts

Director: Leslie J. Berg, Ph.D.

University of Massachusetts Medical School

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

For More Information visit

www.aai.org/Education/Courses

Please direct inquiries to meetings@aai.org or 301-634-7178.

Financial support for underrepresented minority scientists is available through the FASEB MARC Program.

Visit: <http://marc.faseb.org>.

GRANT AND AWARD DEADLINES

December 20—L'Oréal USA Fellowships for Women in Science

The L'Oréal USA Fellowships for Women in Science program invites applications for postdoctoral fellowship awards for 2013. The program annually recognizes and rewards five U.S.-based women researchers at the beginning of their scientific careers with awards to be put towards recipients' postdoctoral research.

Launched in 2003 as the U.S. component of the UNESCO-L'Oréal for Women in Science International Fellowship program, the U.S. fellowships aim to raise awareness of the contribution of women to the sciences and identify exceptional female researchers in the U.S. to serve as role models for younger generations. The program seeks candidates with exceptional academic records and intellectual merit, clearly articulated research proposals with the potential for scientific advancement, and outstanding letters of recommendation from advisers.

Prize/Award

Five fellowships valued at up to \$60,000 each, to be applied toward the recipient's research, will be awarded.

Eligibility

To qualify, an applicant must be involved in life or physical/material sciences, engineering, technology, computer science, or mathematics and must conduct postdoctoral studies and research in the U.S. In addition, an applicant must be:

- a female scientist who will have completed her Ph.D. by December 20, 2012, and started in a postdoctoral research position by September 1, 2013
- American born, naturalized citizen or permanent resident
- affiliated with a U.S.-based academic or research institution

Application

Applications are being accepted through December 20, 2012, via the program's new online application portal. Visit www.lorealusa.com/_en/_us/ and click U.S. Fellowship Awards > Fellowship Application.

Details

www.lorealusa.com/forwomeninscience

Contact

L'Oréal USA, 575 Fifth Avenue, New York, NY 10017;
(212) 818-1500

December 30—NIH Director's Early Independence Award (EIA) Program

EIA funding allows exceptional junior scientists to bypass postdoctoral training and move directly to independent research positions at U.S. universities. The program was established in part to address the trend showing increases in the length of the traditional scientific training period and age at which scientists establish independent research careers.

Prize/Award

Awards will be for up to \$250,000 in direct costs per year, plus applicable facilities and administrative costs. NIH is expected to issue up to 10 EIAs in FY 2013, contingent upon availability of funds and receipt of a sufficient number of meritorious applications.

Eligibility

Award candidates must be within one year (before or after) of completion of their terminal doctoral/research degree or clinical residency at the time of application. Award recipients must have an M.D., Ph.D., or equivalent and must identify a host institution willing to support them. Prospective candidates may approach an institution to propose being hosted as an EIA grantee; likewise, institution officials may actively recruit prospective awardees whom they would like to host. Institutions may recruit multiple scientists, but can submit for funding consideration a maximum of two candidates per year. Accordingly, candidates must be chosen by the institution through an internal selection process. Institutions interested in hosting an EIA researcher may register at <http://commonfund.nih.gov/earlyindependence/matchingportal/index.aspx>.

Application

Interested institutions are encouraged to submit a letter of intent to NIH by December 30, 2012. (Applications are due by January 30, 2013.) For technical assistance in applying, view the 2013 EIA informational webinar at <http://videocast.nih.gov/summary.asp?Live=11567>. To view the full funding announcement, visit <http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-12-018.html>.

Details

<http://commonfund.nih.gov/earlyindependence/>

Contact

Emmanuel Peprah, Program Specialist: (301) 594-0053;
peprahek@od.nih.gov; or earlyindependence@mail.nih.gov

January 1—Primary Caregiver Technical Assistance Supplements (PCTAS)

Primary Caregiver Technical Assistance Supplements (PCTAS) support postdoctoral research scientists who are taking care of a child or sick family member. They provide additional funds for NIAID grantees to hire a mid-to-senior level technician to fill in when the caregiver needs to be away from the lab.

Prize/Award

NIAID funds the program at \$500,000 a year. Each individual award is allocated to a principal investigator (PI) who applies for a supplement to his or her NIAID-funded grant. (Postdoctoral trainees seeking technical support should consult with their PI.) Applications should specify funding needed to provide up to two years' salary and fringe benefits to a sufficiently experienced full- or part-time technician. Funding may be applied only to research technical assistance (i.e., not to other expenses such as supplies, travel, or postdoctoral trainee benefits). The salary of a mid-to-senior level technician varies by institution but is generally between \$40,000 and \$50,000.

Eligibility

PIs with at least two years of NIAID support remaining are eligible to apply for funding for the following grant types: research project grants (R01, R18, R24, R37); multiproject grants (P01, P30, P50); or cooperative agreements (U01, U19, U42, U54). Postdoctoral trainees must have at least one full year at an NIAID-funded laboratory and be primary caregivers for a child or ailing relative. Technicians need not have U.S. citizenship or permanent residency status; those on temporary and student visas are eligible.

Application

Applications are due January 1 for consideration during the February review cycle. (PCTAS applications are accepted on a year-round basis and typically reviewed in November, February, April, and May). Applications, preferably in PDF format, are to be submitted by mail or email to the NIAID contact indicated below; they should include the components specified at www.niaid.nih.gov/research-funding/traincareer/pages/pctas.aspx.

Details

www.niaid.nih.gov/researchfunding/traincareer/pages/pctas.aspx

Contact

Raushanah Newman, 6700B Rockledge Drive,
Room 2148B, Bethesda, MD 20817; (301) 451-2691;
AITrainingHelpDesk@niaid.nih.gov

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Meetings and Events Calendar

Mark Your Calendar for These Important Dates!

2012

December 15–19, 2012

2012 American Society for Cell Biology Annual Meeting
San Francisco, California
www.ascb.org

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
Asilomar Conference Grounds,
Pacific Grove (near Monterey), California
www.midwconimmunol.org

February 6, 2013

2013 Tumor Immunology Lab Symposium
Radboud University Nijmegen Medical Centre,
Nijmegen, The Netherlands
www.ncmls.eu/new-frontiers/til-symposium-2013

February 13–17, 2013

2013 BMT Tandem Meeting
Salt Palace Convention Center
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, ASPET, ASIP, ASN, AAA, ASBMB)
Boston Convention & Exposition Center
Boston, Massachusetts
Contact: eb@faseb.org

April 28–May 1, 2013

T Cell Function and Modulation
Conference
Makena Beach and Golf Resort
Maui, Hawaii
www.agonox.com/mauiconference2013.html

May 3–7, 2013

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Honolulu, Hawaii
www.IMMUNOLOGY2013.org

July 3–5, 2013

AIDS-related Mycoses Meeting
Institute of Infectious Disease and
Molecular Medicine
University of Cape Town
Cape Town, South Africa
www.aids-and-mycoses-2013.co.za/

July 7–10, 2013

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

July 13–18, 2013

AAI Introductory Course in
Immunology
University of Pennsylvania,
Philadelphia, Pennsylvania
www.aai.org/Education/Courses/Intro

July 20–24, 2013

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

July 21–26, 2013

T Follicular Helper Cells: Basic
Discoveries and Clinical Applications
The Chinese University of Hong Kong
Hong Kong, China
www.grc.org/programs.aspx?year=2013&program=tfollic

July 28–August 2, 2013

AAI Advanced Course in
Immunology
Seaport World Trade Center
Boston, Massachusetts
www.aai.org/Education/Courses/Advanced

August 22–27, 2013

15th International Congress
of Immunology
MiCo–Milano Congressi
Milan, Italy
www.ici2013.org

September 29–October 3, 2013

Cytokines 2013, 11th Joint Meeting
of ICS and ISICR
Hyatt Regency San Francisco
San Francisco, CA
www.cytokines2013.com

October 4–8, 2013

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

October 10–13, 2013

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

2014

February 26–March 2, 2014

2014 BMT Tandem Meeting
Gaylord Texan Hotel & Convention Center
Grapevine, Texas
www.cibmtr.org/Meetings/Tandem/index.html

April 26–30, 2014

Experimental Biology (EB) (APS, ASPET,
ASIP, ASN, AAA, ASBMB)
San Diego Convention Center
San Diego, California
Contact: eb@faseb.org

May 2–6, 2014

IMMUNOLOGY 2014™
AAI Annual Meeting
The David L. Lawrence Convention Center
Pittsburgh, Pennsylvania
www.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, California
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
www.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

2016

February 18–22, 2016

2016 BMT Tandem Meeting
Honolulu, Hawaii
www.cibmtr.org/Meetings/Tandem/index.html

Future AAI Annual Meetings

Mark Your Calendar for the Premier Annual Immunology Event!

2013



Hawaii Tourism Authority (HTA)/Tor Johnson

IMMUNOLOGY 2013™
May 3–7
Honolulu, Hawaii
AAI Centennial Meeting

2014



IMMUNOLOGY 2014™
May 2–6
Pittsburgh, Pennsylvania

2015



IMMUNOLOGY 2015™
May 8–12
New Orleans, Louisiana

New Online Career Planning Tool Available

In collaboration with multiple partners, the Federation of American Societies for Experimental Biology (FASEB), of which AAI is a founding and active member, recently launched a new online tool to help young scientists plan their careers. The new tool, “myIDP,” allows early-career scientists to establish their own individual development plans by mapping out a step-by-step path to pursuing and reaching their career goals.

Collaborators with FASEB on the myIDB initiative include the Medical College of Wisconsin, the University of California San Francisco, AAAS, and Science Careers, with additional support from the Burroughs Wellcome Fund.

Specifically, myIDP provides:

- Exercises to help the user examine his or her skills, interests, and values
 - A list of 20 scientific career paths with a prediction of which ones best fit the user’s skills and interests
 - A tool for setting strategic goals for the coming year, with optional reminders to keep the user on track
 - Articles and resources to guide the user through the process
- More information is available at: <http://myidp.sciencecareers.org/>. Related resources include:
- “You Need a Game Plan,” a case for the IDP, by Jennifer A. Hobin, Cynthia N. Fuhrmann, Bill Lindstaedt, Philip S. Clifford: http://sciencecareers.sciencemag.org/career_magazine/previous_issues/articles/2012_09_07/caredit.a1200100
 - FASEB press release introducing myIDP: <http://www.faseb.org/Portals/0/PDFs/opa/9.6.12%20myIDP%20Press%20Release.pdf>

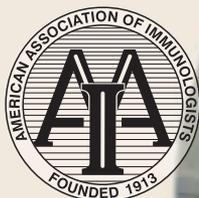
GRIP

Grant Review for Immunologists Program

Get a GRIP: An AAI program designed to help new investigators prepare their NIH grant proposals

AAI is pleased to offer a program to match new PIs with established PIs who have significant, successful grant writing careers. The Grant Review for Immunologists Program (GRIP) invites new PIs to submit an outline or NIH-style abstract to the GRIP coordinator who, with the assistance of a small volunteer subcommittee, will attempt to match the topic of the proposal with the research experience of an established PI. Matches will be made as quickly as possible to allow new PIs to meet upcoming NIH grant deadlines. Participation is open only to AAI members and is strictly voluntary. The program is not intended to supplant internal mentoring programs.

GRIP is now accepting both new PI and established PI participants. Please send your CV and a brief description of either your potential research project (new PIs) or grant reviewing experience (established PIs) to infoaai@aai.org (please write “GRIP” in the subject line).



Program details at www.aai.org/GRIP_rd.htm

IMMUNOLOGY 2013™

THE AMERICAN ASSOCIATION OF IMMUNOLOGISTS

Celebrating *100 Years*



Save the Date!



AAI Annual Meeting
May 3–7, 2013 | Honolulu, Hawaii
www.IMMUNOLOGY2013.org

IMMUNOLOGY 2013™

Annual Meeting of The American Association of Immunologists

May 3 - 7, 2013 | Hawaii Convention Center | Honolulu, Hawaii

You might be surprised to learn...

Hotels—Rates are the lowest in three years.

Attendees can enjoy room rates as low as \$135 per night—\$95 per night less than in 2012!

Treat yourself and upgrade to an ocean-view room for just \$199 per night.

Registration—No increases from 2012

AAI prides itself on keeping registration prices low! Members can attend for as little as \$280!

Cutting-edge science, career development, and fantastic social events—all in one place.

Funding—There's help!

AAI supports travel to the annual meeting for over 20% of attendees through grants and travel awards.

We've introduced new awards this year to benefit more attendees at every career stage!

**You can attend IMMUNOLOGY 2013™ for the same or less than previous meetings!
Details at www.immunology2013.org**



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