



AAI

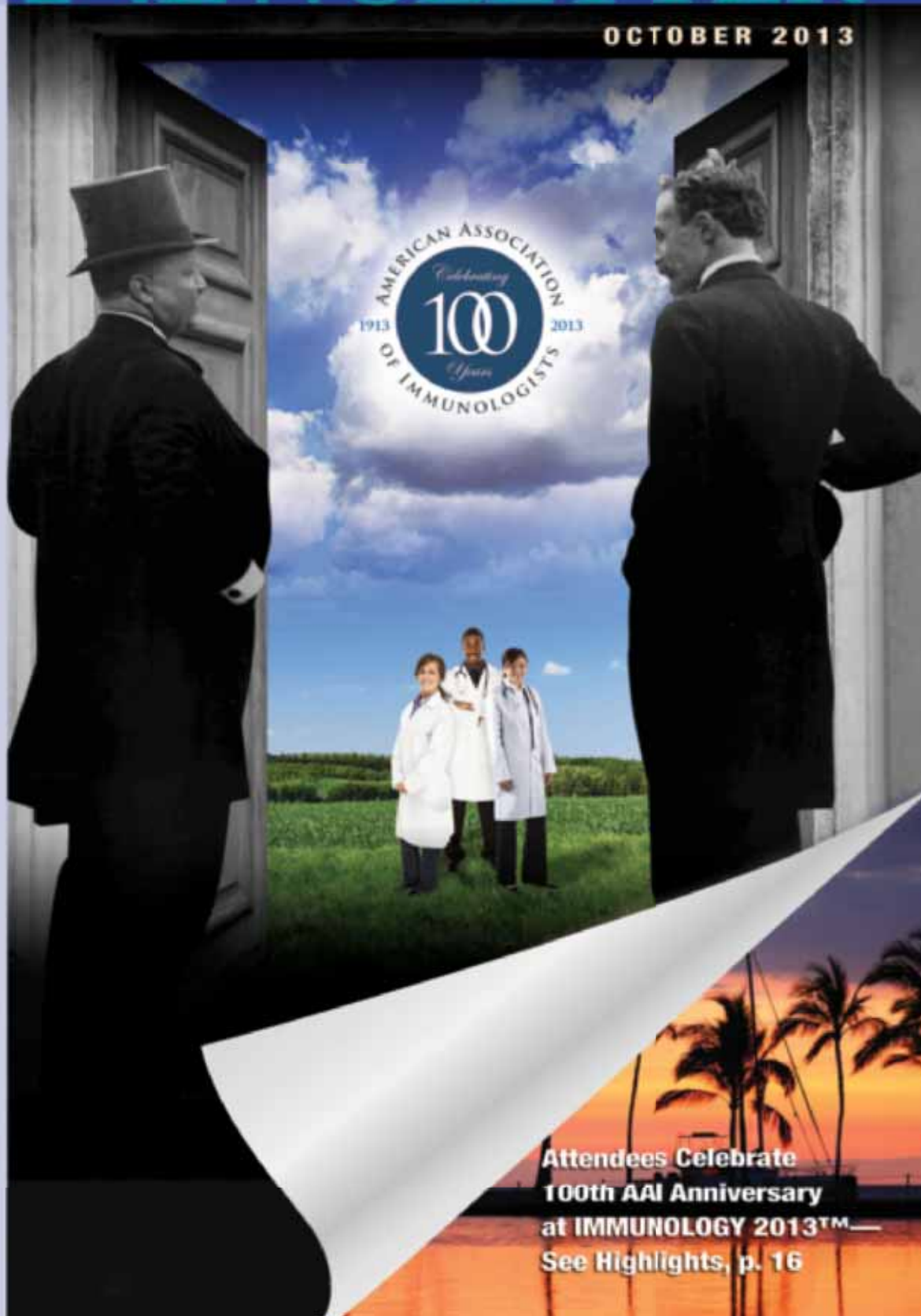
The American Association of Immunologists

NEWSLETTER

OCTOBER 2013

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Attendees Celebrate
100th AAI Anniversary
at IMMUNOLOGY 2013™ —
See Highlights, p. 16

2013 AAI Election

AAI welcomes the following members to new Council and committee terms that commenced on July 1, 2013, and extends a sincere thanks to all candidates in this year's election.

President (2013–2014)

Marc K. Jenkins, Ph.D.
Distinguished McKnight University
Professor, Center for Immunology and
Department of Microbiology
University of Minnesota Medical School

Vice-President (2013–2014)

Linda A. Sherman, Ph.D.
Professor, Department of Immunology
and Microbial Science
The Scripps Research Institute

Councillor (2013–2017)

JoAnne L. Flynn, Ph.D.
Professor, Department of Microbiology
and Molecular Genetics
University of Pittsburgh School of
Medicine

Awards Committee (2013–2016)

Juan Carlos Zuñiga-Pflücker, Ph.D.
Professor and Chair, Department
of Immunology
University of Toronto; Canada Research
Chair in Developmental Immunology
and Senior Scientist
Sunnybrook Research Institute

Finance Committee (2013–2016)

Christine A. Biron, Ph.D.
Brintzenhoff Professor of Medical
Science, Department of Molecular
Microbiology and Immunology
Brown University

Nominating Committee (2013–2014)

Jenny P-Y. Ting, Ph.D., Chair
Kenan Professor, Department of
Microbiology and Immunology and
Lineberger Comprehensive Cancer
Center
University of North Carolina
at Chapel Hill

Michael Croft, Ph.D.
Professor and Head, Division of Immune
Regulation
La Jolla Institute for Allergy and
Immunology

Pamela S. Ohashi, Ph.D., F.R.S.C.
Senior Scientist and Director, Immune
Therapy Program
Ontario Cancer Institute

Pamela L. Schwartzberg, M.D., Ph.D.
Senior Investigator, National Human
Genome Research Institute
National Institutes of Health

Dario A. A. Vignali, Ph.D.
Member and Vice Chair, Department
of Immunology
St. Jude Children's Research Hospital

Program Committee (2013–2016)

Marlene Bouvier, Ph.D.
Associate Professor, Department
of Microbiology and Immunology
University of Illinois at Chicago College
of Medicine

Daniel H. Kaplan, M.D., Ph.D.
Associate Professor, Department
of Dermatology
University of Minnesota

Publications Committee (2013–2017)

Randy R. Brutkiewicz, Ph.D.
Professor, Department of Microbiology
and Immunology
Indiana University School of Medicine

*Thank you to all members who invested
in their profession and in the mission
of AAI by voting in the 2013 election.*



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Council

President

Marc K. Jenkins, Ph.D.

Vice President

Linda A. Sherman, Ph.D.

Past President

Gail A. Bishop, Ph.D.

Secretary-Treasurer

Mitchell Kronenberg, Ph.D.

Councillors

Dan R. Littman, M.D., Ph.D.
Arlene H. Sharpe, M.D., Ph.D.
Wayne M. Yokoyama, M.D.
JoAnne L. Flynn, Ph.D.

Ex Officio Councillors

Leslie J. Berg, Ph.D.
Pamela J. Fink, Ph.D.
M. Michele Hogan, Ph.D.
Eugene M. Oltz, Ph.D.

Executive Director

M. Michele Hogan, Ph.D.

www.aai.org/

About/Departments-Staff

Marc K. Jenkins, Ph.D.

AAI President, July 2013–June 2014
Distinguished McKnight University Professor
Center for Immunology and Department of Microbiology
University of Minnesota Medical School

YOU HAVE THE POWER!

Marc Jenkins

Imagine a line graph showing the amount of fun a scientist has at his or her job on the Y-axis, and the years they have been in the field on the X-axis. In my case, the fun values were very high during my graduate school days as I got a first taste of immunology research and thrived on the scientific enthusiasm of my Ph.D. advisor, Steve Miller. The

fun values remained high when I was a postdoc with Ron Schwartz in the intense and exciting scientific environment of the Laboratory of Immunology at NIH. I was also still having fun as a new assistant professor at the University of Minnesota, calling the shots as I started my independent research program, advising students, and doing professor “stuff.” The fun dropped a bit with the decline in the NIH pay line in the early 1990s but came back in spades during the doubling of the NIH budget from 1998 to 2003. Unfortunately, I have to admit that my “fun line” has had a downward slope since 2003, and that’s a bummer since the fun and excitement of science are big reasons many of us are in the business.

I suspect that I’m not the only one with a downward-trending fun line. It’s hardly surprising, given all the events that have recently collapsed on professional scientists. NIH success rates are at an all-time low with no relief in sight. Young scientists are having a hard time getting their first grants, and other scientists are struggling to keep even long-standing grants. Dwindling resources and low morale have frustrated scientists and have likely contributed to a sometimes nasty tone in the review of both grants and manuscripts. Regulatory burden (including for the use of animal subjects, human subjects, and select agents) is increasing. And administrators at universities and other research institutions, under intense fiscal pressure, are measuring our scientific batting averages with stats that are not transparent, that we don’t always understand, and that may unfairly disrupt or derail productive scientific careers.

The worst part is that we feel powerless to do anything about it. What we really need is an organization that empowers immunologists. Lucky for us, we already have one. It’s called AAI!

It is in challenging times like these that AAI really matters.

AAI is the organization through which we can funnel our energies to advocate change in the system. AAI Director of Public Policy and Government Affairs Lauren Gross and

Continued on next page

A Dedication

In this issue of the AAI Newsletter, we reflect upon the excitement and the events of the 2013 AAI annual meeting and historic celebration of the AAI centennial. In a sad confluence of events, we also mourn the untimely death of Leo Lefrançois (AAI '84), who, as chair of the AAI Program Committee, led in the development of the incredible content of the meeting, and, by his gracious presence, lent it great joy. (See In Memoriam, page 5.) A glimpse at his prominent role is offered by the Hawaii retrospective photos beginning on page 16.

We offer our condolences to Leo’s wife, Lynn Puddington (AAI '98), and to their family, friends, and colleagues on their loss.

In the spirit of the enormous admiration and affection Leo inspired in us, this issue of the AAI Newsletter is fondly dedicated to his memory.

her staff are working tirelessly on our behalf, educating our congressional representatives on the critical need to increase research funding. You have the power to help by participating in advocacy activities arranged by the AAI Committee on Public Affairs and by going with Lauren to visit your senators and members of Congress. I'm heading to the Hill this fall and hope to convince even "doubters" about the value of basic research and the importance of supporting NIH.

AAI owns and publishes *The Journal of Immunology* (*The JI*)—the most highly cited journal in the field. Think of how this journal—your journal—empowers your scientific activities. *The JI* offers you, as an author, an excellent venue for your research findings with little chance of having your paper triaged. *The JI* offers you, as a reviewer, a chance to read and select some of the best emerging research in the field. It also offers you the ability to give someone else the fair review that you would like to receive. *The JI* offers you, as a reader, confidence that the data published have been fully peer reviewed by practicing scientists who are leading experts in the field.

AAI hosts the largest annual all-immunology meeting in the world—one that offers an array of programs. In addition to cutting-edge science presented by many of the most prominent researchers in the field, the meeting provides a wide range of opportunities to trainees and early-career scientists. This meeting is the best venue for presentation of research from scientists at every professional stage. (Imagine your CV without those talks at AAI meetings!) It is the place where you can have spontaneous discussions about your work that may change your professional life, and there are workshops presenting strategies and tactical advice on navigating a science career. The AAI annual meeting is also psychologically empowering for its vast networking opportunities and as a venue for commiseration—a much-needed tonic in these trying times.

There may be areas where AAI could do even more to help its members.

One issue that concerns me relates to the use of publication metrics (e.g., Impact Factor) by universities to make important decisions about how scientists are hired, promoted, and given resources. As far as I can tell, many scientists are concerned about this practice but don't know how to influence it. I think AAI could help by explaining the intended purpose of this publication metric (i.e., to evaluate a journal rather than an individual author) and, therefore, clarifying its limited value in assessing scientists' accomplishments or careers. This is an issue in which AAI has just begun to engage and one that is worthy of our thoughtful consideration.

Immunologists at all career stages need to keep up with the latest cutting-edge technologies. Traditionally, the community has had a network for assistance whereby scientists or teachers could gain expertise by visiting a laboratory in which a new or particular technique is practiced. These initiatives, however, can be expensive, and in these financially difficult times, I would like to see if there is a role for AAI in assisting members with this aspect of their continuing education.

I'd like to leave you with the thought that we have some power over our fate in these difficult times. Going outside our comfort zone is the thing that could help the most: we can educate our policymakers in Washington about the critical value of basic research in advancing treatments and cures. We can invite our senators and members of Congress to visit our labs to see the value of their investment in their own state. We can also be better authors, reviewers, and mentors and engage in thoughtful debate about how we can best contribute to science and the scientific community. We can evaluate our field for its strengths and weaknesses and work hard to retain the trust and support of the public that funds our work. As the 97th president of AAI—which it is my great privilege to be—I'll do what I can to help us all take on these pressing challenges in the coming year.

See you at IMMUNOLOGY 2014™ in Pittsburgh!



Leo Lefrançois, Jr., Ph.D., AAI '84

1956–2013

AAI leadership, members, and staff mourn the loss of Dr. Leo Lefrançois, Jr., who died on July 20th while vacationing in northern Italy. The following tribute was written by AAI President Marc K. Jenkins, Ph.D. AAI gratefully publishes the submission.

A Stunning Loss and a Lasting Legacy

Dr. Leo Lefrançois, Jr., a prominent immunologist and AAI member, died unexpectedly of a heart attack on July 20, 2013, while hiking in the Italian Dolomites. In addition to his wife and colleague, immunologist and AAI member Dr. Lynn Puddington (AAI '98), Leo is survived by two children, Dominique and Lucas, of West Hartford, Connecticut; a step-daughter, Mandi Leigh of Gunnison, Colorado; sisters Wanita Laviero and Elizabeth Ann Lefrançois [Ken Johnson] of Bristol, Connecticut; and brothers Richard [Anna] of Huntington Beach, California, and Ronald [Maria] of Washington, D.C., as well as many loving nieces, nephews, cousins, and aunts. His parents, Edna and Leo Lefrançois of Bristol, Connecticut, preceded him in death.

Leo was born on January 6, 1956, in Bristol, Connecticut, where he was raised and attended high school. Leo was the editor of the yearbook and the vice president of his class. His scientific bent began to show during his high school years. He accumulated a large chemistry set and developed an interest in combustion and model rockets. He built an extensive mouse habitat in his basement.

After graduating from high school, Leo attended Colorado State University where he earned a B.S. in microbiology and medical technology in 1978, with a certificate from the Malden Hospital Medical Technology Program in Malden, Massachusetts. After graduation, he worked for a year as a medical technologist at Bristol Hospital in Bristol, Connecticut, before moving on to doctoral studies in microbiology and immunology at Bowman Gray School of Medicine of Wake Forest University in Winston-Salem, North Carolina, where he received his Ph.D. in 1982. His thesis research focused on the adaptive immune response to vesicular stomatitis virus. Leo also met his future wife, Lynn, at Wake Forest.



Leo Lefrançois

From 1982 to 1986, Leo pursued postdoctoral studies with Dr. Michael Bevan in the Department of Immunology at the Scripps Clinic and Research Foundation in La Jolla, California. While at Scripps, Leo discovered heterogeneity in CD45 isoform expression by CD8⁺ T cells, cementing what would become a career-long interest in this population of lymphocytes.

Leo then took a position as a research scientist in the Department of Cell Biology at the Upjohn Company in Kalamazoo, Michigan, and worked there until 1991. During his time at Upjohn, Leo did pioneering work on $\gamma\delta$ T cells, discovering

that these cells are abundant in the intraepithelial lymphocyte population. He also served as commissioner of the company baseball league.

In 1992, Leo took a position as an associate professor in the Department of Medicine, Division of Rheumatic Diseases, at the University of Connecticut Health Center. He was promoted to professor in 1997 and became chief of the Division of Immunology in 2000. Leo was instrumental in establishing the Department of Immunology in 2005, of which he was named chair in 2011. His research achievements were recognized by election to the American Association for the Advancement of Science and the Connecticut Academy of Science and Engineering and by invitations to give prestigious lectures, including the Grand Marnier Foundation Guest Scientist in Residence at the Pasteur Institute in Paris and the Daisuke Nakada Memorial Lecture at the University of Pittsburgh.

Leo was an active and loyal member of the AAI, serving—at the time of his death—as an *ex officio* member of the AAI Council and program chair for the AAI annual meeting and chair of the AAI Program Committee. He served as an associate editor for *The Journal of Immunology* from 1990 to 1994 and as a section editor from 1995 to 2000. Leo dedicatedly attended the AAI annual meeting, serving as an abstract programming chair (1999–2003), as chair of major symposia, and as a frequent speaker in major sessions. The AAI lost one of its brightest stars and best friends when Leo died.

Leo will be long remembered as a pioneering cellular immunologist with interests in CD8⁺ memory T cells, mucosal immunology, and $\gamma\delta$ T cell biology. He believed

Continued on next page

IN MEMORIAM Leo Lefrançois (continued)

that a deep understanding of the T cell response depends on the capacity to track relevant antigen-specific lymphocytes in the bodies of hosts during immune responses to infections. Using state-of-the-art tools such as transgenic and gene-targeted mouse models, adoptive transfer of T cell receptor transgenic T cells, and peptide-MHCI tetramers, Leo's group made the seminal observations that antigen-specific CD8⁺ T cells migrate in large numbers to non-lymphoid tissues after infection, that the cytokine IL-7 promotes the survival of naïve and memory T cells, and that many intraepithelial T cells express the gamma-delta T cell receptor. These discoveries drive the field to this day. The exciting new research on tissue-resident memory T cells is a direct offshoot of Leo's discovery of the CD8⁺ effector T cell diaspora to the non-lymphoid tissues.

Many of Leo's discoveries are of such fundamental importance that they are described in modern immunology textbooks. Thus, Leo's ideas will continue to contribute to the education of immunology students around the world. Further, his discoveries will likely improve the lives of patients as vaccines are developed to generate tissue-resident memory T cells at portals of infection, and IL-7 is used to speed immune reconstitution after chemotherapy.

Leo's legacy will be preserved by his many talented mentees. He trained 13 Ph.D. students and 15 postdoctoral fellows. Remarkably, all of Leo's trainees have jobs as scientists and eight have tenure-track faculty positions at top universities. Many of these individuals will continue to make discoveries in the areas in which Leo mentored them, but many will also follow new pursuits empowered by the confidence he instilled in them.

The University of Connecticut will perpetuate Leo's legacy by establishing a memorial fund in his name at the UConn Foundation, which will be used to support University of Connecticut graduate students, fellows, and/or junior faculty in their efforts to define the fundamental principles of the immune system. This is a fitting honor for a scientist who did so much to enhance the prestige of the University of Connecticut.

Leo will remain in the hearts and minds of those who knew him well. Indeed, Leo was a very memorable fellow. He could be blunt with criticism but equally forthright with praise. While Leo was passionate about his science, he also seemed to be having more fun than the rest of us. He liked to play golf, ski, and hike; read science fiction; smoke a stogie from time to time; and have a beer. He liked bars. I suspect that many of us met Leo for the first time

in a bar. He liked good food and he liked to prepare it with Lynn in their gourmet kitchen. And he liked to share these interests with friends, whether on the road at scientific conferences or at home. Indeed, Lynn and Leo opened their home to many itinerant friends, made them a meal, and took them out for a round of golf. Leo was fun to be with. If I can find any consolation in his death, it is the knowledge that he died living his life to the fullest, doing something that he loved with his wife and in the company of close friends.

In my *President's Message to Members* (see p. 3), I contend that the AAI empowers its members. Now, I hope that it can provide some comfort. I plan on dedicating the AAI President's Symposium at IMMUNOLOGY 2014™ in Pittsburgh to Leo's memory. I look forward to chatting with you in Pittsburgh about Leo's life. Maybe we should do it in the bar. Leo would have liked that.

A celebration of Dr. Lefrançois's life was held on August 10 at Rosedale Farms, Simsbury, Connecticut.

Readers wishing to share memories and/or offer condolences online may do so by visiting <https://sites.google.com/site/aaioibit>.

Memorial donations may be made to the University of Connecticut Foundation, Inc., in memory of Dr. Leo Lefrançois, Jr. Checks should be made payable to UConn Foundation, Attn: UConn Health Center, P.O. Box 842948, Boston, Massachusetts 02284-2948.

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Pictured in May at the AAI President's Service Appreciation Reception at IMMUNOLOGY 2013™ in Hawaii, AAI Program Chair Leo Lefrançois (second from left) along with (L-R) wife Lynn Puddington, Susie Hedrick, Steve Hedrick, Mick Croft



Call for 2014 Award Nominations

Deadline: November 1, 2013

Nominations are invited for the following AAI Career Awards. These awards honor immunologists of extraordinary scientific achievement and promise.

AAI Members! Don't miss the opportunity to nominate a worthy colleague for awards that are among the leading professional honors presented annually to immunologists!

AAI Excellence in Mentoring Award

This award recognizes a senior scientist who has significantly influenced the professional development and careers of a new generation. AAI honors the award recipient's contributions to the profession through outstanding mentoring. The award includes a plaque, meeting registration, and travel support to the AAI annual meeting. This award is presented at an Awards Presentation Program at the AAI annual meeting.

AAI-Steinman Award for Human Immunology Research

This award recognizes an individual who has made significant contributions to the understanding of immune processes underlying human disease pathogenesis, prevention, or therapy. The award recipient will receive a \$5,000 cash award, meeting registration, and travel support to the AAI annual meeting. The recipient will present his or her research in an award lecture.

AAI-Life Technologies Meritorious Career Award

This award recognizes a mid-career scientist for outstanding research contributions to the field of immunology. The award recipient will receive a \$10,000 cash award, meeting registration, and travel support to the AAI annual meeting for presentation of his or her research in an award lecture preceded by the award presentation. This award is generously supported through a grant from Life Technologies Corporation.

AAI-BD Biosciences Investigator Award

This award recognizes an early-career investigator who has made outstanding contributions to the field of immunology. The awardee will receive a \$5,000 cash prize, meeting registration, and travel support to the AAI annual meeting for presentation of his or her research in an award lecture preceded by the award presentation. This award is generously supported through a grant from BD Biosciences.

For complete AAI Career Award nomination details, as well as information on applying for AAI Travel Awards and Grants, visit www.AAI.org/Awards.

The 2014 AAI Awards will be presented in conjunction with

IMMUNOLOGY 2014™

May 2–6, 2014 • Pittsburgh, Pennsylvania

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

FOCUS ON PUBLIC AFFAIRS

Third Year of AAI Public Policy Fellows Program Underway

Earlier this year, AAI launched the 2013–2014 AAI Public Policy Fellows Program (PPFP). The PPFP is designed to engage eligible postdoctoral fellows and junior scientists in public policy and legislative activities that impact biomedical research.

The AAI fellows participate in the association's annual meeting and visit Washington, D.C., for a two-day "Capitol Hill Day" to attend an advocacy training session and visit with federal legislators. The fellows are kept informed of major policy issues and solicited for their views on key topics throughout the year.

AAI is pleased to welcome the following AAI members to the 2013–2014 PPFP:



Rachel Bergerson, Ph.D.
University of Minnesota



Jennifer (Lori) Blanchfield, Ph.D.
Emory University



Gretchen Diehl, Ph.D.
New York University School of Medicine



Katrina Hoyer, Ph.D.
University of California, Merced



Elizabeth Leadbetter, Ph.D.
Trudeau Institute



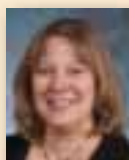
Surojit Sarkar, Ph.D.
Pennsylvania State University



Jeremy Schaefer, Ph.D.
University of Texas Health Science Center
at Houston School of Dentistry



Brian Sheridan, Ph.D.
University of Connecticut Health Center



Stephanie Watkins, Ph.D.
Loyola University (Chicago) Medical Center



Tamisha Vaughan, Ph.D.
Emory University

For more information about the AAI PPFP, please visit www.aai.org/Public_Affairs/PPFP.



AAI Public Affairs ONLINE



Visit us to

- Learn about NIH funding
- Keep current on key policy issues
- Discover how you can help AAI in its advocacy initiatives

Go to www.aai.org and click on **Public Affairs**.



IMMUNOLOGY 2014™

The American Association of Immunologists
AAI Annual Meeting | May 2–6, 2014 | Pittsburgh, Pennsylvania



Call for 2014 Award Applications Deadline: January 9, 2014

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.

AAI Trainee Poster Award

This award provides up to \$300 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 \$1,250 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 and a certificate during an awards presentation program at the AAI annual meeting. *This award is generously supported through a grant from eBioscience, An Affymetrix Company.*

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 and a certificate during an awards presentation program at the AAI annual meeting. *This award is generously supported through a grant from eBioscience, An Affymetrix Company.*

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 \$1,850 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 \$500–750 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 \$1,250 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 \$1,250 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 2014 AAI Awards will be presented in conjunction with

IMMUNOLOGY 2014™ • May 2–6, 2014 • Pittsburgh, Pennsylvania
Questions? Contact AAI at 301-634-7178 or awards@aai.org

THE SCIENTISTS BEHIND THE SCIENCE

AAI Oral History Project Available Online

Following its May unveiling as a featured AAI Centennial display at IMMUNOLOGY 2013™ in Hawaii, the AAI Oral History Project has moved online.

To provide contemporary investigators and the public a rare view into the lives and times of influential immunologists, AAI arranged for the award-winning Oral Historian Brien Williams, Ph.D., to interview past AAI presidents, beginning in the spring of 2012. Interviewees were asked about their family backgrounds, early interest in science, reasons for studying immunology, career and research highlights, challenges faced, balancing professional and private life, hobbies outside of the laboratory, major changes in immunology over the course of their careers, and the future of immunology and science in the United States. The sessions, typically one and one-half to two hours in length, were professionally recorded and edited in high-definition video. The interviews were available for viewing at IMMUNOLOGY 2013™ in the Media and VIP Lounges located at the end of the Fab regions of the AAI Centennial Timeline.

“Scientific contributions live on as researchers continue to build upon the work of the past, yet present-day investigators often know little about the scientists responsible for them,” said AAI Historian John Emrich, Ph.D., who first conceived of the Oral History Project in 2011. “The ‘Pillars of Immunology’ series in *The Journal of Immunology* makes the connections between past and present science more explicit than they otherwise would be, but investigators rarely have the opportunity to hear about their predecessors’ motivations, their hardships suffered and overcome, their lives outside of the laboratory, or even their candid thoughts on the state of the field.”

To date, 23 of the 29 living past presidents have been interviewed. Their presidential terms span five decades, from that of Herman Eisen (AAI '51, president 1968–69) to Leslie Berg (AAI '94, president 2011–12). Included in this group were two past presidents who are in their 90s, Eisen and David Talmage (AAI '54, president 1978–79); six in their 80s; and four in their 70s.

The memories and reflections contained in these interviews constitute an important facet of the history of immunology that would likely be lost to future generations if not preserved in the AAI Oral History Project. As AAI continues to conduct interviews with additional presidents and other influential immunologists, members and the general public are invited to view the oral histories already recorded. Both the full-length videos, which premiered in the VIP Lounge at IMMUNOLOGY 2013™, and the shorter clips, which aired in the Media Lounge, are now available at www.aai.org/ohp.



Oral History Interviews Currently Available:

- Herman N. Eisen (1968–69)
- K. Frank Austen (1977–78)
- David W. Talmage (1978–79)
- William E. Paul (1986–87)
- Max D. Cooper (1988–89)
- Henry Metzger (1991–92)
- Frank W. Fitch (1992–93)
- Irving L. Weissman (1994–95)
- Richard W. Dutton (1995–96)
- Katherine L. Knight (1996–97)
- Roger M. Perlmutter (1999–2000)
- Philippa Marrack (2000–01)
- Laurie H. Glimcher (2003–04)
- Susan L. Swain (2004–05)
- Lewis L. Lanier (2006–07)
- Olivera J. Finn (2007–08)
- Arthur Weiss (2008–09)
- Betty A. Diamond (2009–10)
- Jeffrey A. Frelinger (2010–11)
- Leslie J. Berg (2011–12)

Oral History Interviews Available Soon:

- Jonathan W. Uhr (1983–84)
- Ellen S. Vitetta (1993–94)
- James P. Allison (2001–02)

Members in the News

AAI President Marc Jenkins Named Center for Immunology Director

Earlier this year, **Marc K. Jenkins, Ph.D., AAI '88**, assumed the leadership of the University of Minnesota (UM) Center for Immunology, where he has been a member since its founding in 1995. Jenkins, who was the center's associate director from 1997 until this year, has been a UM researcher since 1988 and is a past director of graduate studies for UM's Microbiology, Immunology, and Cancer Biology Ph.D. Program.



Marc Jenkins

The newly elected president of AAI for the 2013–2014 year, Jenkins is the Distinguished McKnight University Professor in UM's Department of Microbiology. Jenkins's laboratory is dedicated to unraveling the cellular and molecular interactions that dictate the function of helper T cells in the body. To tease apart the components of T cell responses, they have developed a number of elegant techniques to directly track antigen-specific cells in the mouse. These methods have allowed Jenkins to visualize and identify the roles of various antigen-presenting cells, costimulatory receptors, and lymphokines during the early phases of the helper T cell response. This research seeks a basic understanding of T cell development, activation, and memory in the mouse that can be applied to similar studies in humans with the goal of improving vaccines and preventing T cell responses that cause autoimmune disease and graft rejection.

A member of the AAI Council since 2008, Jenkins also served on the AAI Nominating Committee (including as chair), AAI Program Committee, and AAI Education Committee and as an associate editor for *The Journal of Immunology* (*The JI*). He was the 2002 recipient of the AAI-Huang Foundation Meritorious Career Award and a 2008 AAI Distinguished Lecturer and has served as a major symposium speaker and chair at the AAI annual meeting. He has also served for multiple years as director and faculty member for the AAI Advanced Course in Immunology and is a past member of the AAI Introductory Course faculty. Jenkins's 1987 research paper—Jenkins, M.K. and Schwartz, R.H. Antigen presentation by chemically modified splenocytes induces antigen-specific T cell unresponsiveness in vitro and in vivo. *J. Exp. Med.* 1987. 165: 302–319—was a 2009 selection of *The JI* "Pillars of Immunology" series.

His additional career honors and appointments include: Pew Scholar in the Biomedical Sciences

Award; NIH Merit Award; Distinguished McKnight University Professor Award; Award for Outstanding Contributions to Postbaccalaureate, Graduate, and Professional Education, UM; Institute for Scientific Information Highly Cited Researcher, Immunology; Academy for Excellence in Health Research, UM Academic Health Center; Member, NIH Immunological Sciences Study Section; NIAID National Advisory Council and Allergy, Immunology, and Transplantation Program Advisory Committee (ad hoc member); Scientific

Advisory Board, Blood Research Institute; Arthritis Foundation Cellular Immunology Study Section; Midwest Autumn Immunology Conference (MAIC) Council and MAIC Advisory Board; and Member, National Advisory Committee, Pew Scholars Program in the Biomedical Sciences. He has held journal editorial appointments for *PLoS Biology*, *Cellular Immunology*, and *Immunological Reviews* and has served as a reviewer for *Nature*, *Science*, *Proceedings of the National Academy of Sciences USA*, *Immunity*, and *Journal of Experimental Medicine*.

A microbiology graduate of UM, Jenkins received his Ph.D. (immunology) from Northwestern University, where he was mentored by Stephen D. Miller. Jenkins completed postdoctoral training under Ronald H. Schwartz at NIH, serving in the Laboratory of Immunology and the Laboratory of Cellular and Molecular Immunology. He joined the UM faculty as an assistant professor in 1988 and was appointed full professor in 1998.



Chris Goodnow, Emmanuel Mignot, Robert Schreiber Elected to National Academy of Sciences

AAI members Chris Goodnow, Emmanuel Mignot, and Robert Schreiber have been elected to the National Academy of Sciences (NAS) in recognition of their distinguished and continuing achievements in original research. Election to NAS membership is considered one of the highest honors bestowed in the United States on scientists who pursue original research.

Christopher C. Goodnow, Ph.D., AAI '96

Professor of Immunology and Head, Department of Immunology, John Curtin School of Medical Research, Australian National University (ANU)



Christopher Goodnow

Chris Goodnow's scientific career has focused on the understanding of self-tolerance and how tolerance is breached in autoimmune disease. His group has a long track record of developing innovative mouse molecular genetic strategies to reveal mechanisms of B and T cell anergy and deletion in the primary and secondary lymphoid organs. These studies have also aimed to identify

how autoimmune mutations corrupt these mechanisms. This work has revealed many key immune regulatory mechanisms in tolerance and immunological memory. His group is currently using deep sequencing to test a controversial theory that genes that cause lymphocyte dysregulation in lymphoma may also be at the root of autoimmune disease, suggesting that autoimmunity is essentially a form of benign cancer.

Goodnow was an AAI Distinguished Lecturer in 2006 and recipient of the AAI-PharMingen (now BD Biosciences) Investigator Award in 1998. He is a past member of the AAI Program Committee. Goodnow's additional career honors include: University Medal from Sydney University; Searle Scholar; the Gottschalk Medal of the Australian Academy of Science; Commonwealth Centenary Medal; Fellow of the Australian Academy of Science; and Commonwealth Health Minister's Award for Excellence in Health and Medical Research.

Goodnow holds degrees in veterinary medicine and surgery (BVSc), immunochemistry (BScVet), and immunology (Ph.D.) from the University of Sydney. He trained in molecular and cellular immunology at Stanford University and Australia's Walter and Eliza Hall Institute

before heading a laboratory at Stanford University as an assistant professor in the Department of Microbiology and Immunology and assistant investigator of the Howard Hughes Medical Institute. In 1997, he was appointed a professor of immunology and genetics at ANU, where he also serves as director of the Australian Cancer Research Foundation Genetics Laboratory and Medical Genome Center and chief scientific officer of the Australian Phenomics Facility (APF). He was the founding director of APF and co-founder and chief scientific officer for Phenomix Corp., an Australian-U.S. biotechnology startup.

Emmanuel Mignot, M.D., Ph.D., AAI '11

Director, Center for Sleep Sciences and Medicine and Professor of Psychiatry and Behavioral Sciences, Stanford University School of Medicine



Emmanuel Mignot

Emmanuel Mignot is internationally recognized for discovering the cause of narcolepsy. He found that loss of the neurotransmitter hypocretin caused narcolepsy in dogs, mice, and humans and that this loss was most likely due to an autoimmune attack on cells expressing hypocretin. His current research focuses on the neurobiology, genetics, and immunology of narcolepsy

and other sleep disorders. His laboratory uses state-of-the-art human genetics techniques, including genome-wide association, exome, and whole genome sequencing in the study of human sleep and sleep disorders, with parallel studies in animal models. Mignot is also interested in web-based assessments of sleep disorders, computer-based processing of polysomnography, and outcomes research, as well as biomarker discovery and TCR repertoire analysis in human narcolepsy and Kleine-Levin syndrome.

A past Howard Hughes Medical Institute investigator (2002–2009), Mignot has also received National Sleep Foundation, NIH, and McKnight Neuroscience research funding awards. His career honors include: Narcolepsy Network Professional Service Award; Drs. C. and F. Demuth 11th Award for Young Investigators in the Neurosciences; W. C. Dement Academic Achievement Award in sleep disorders medicine; Collegium Internationale Neuro-Psychopharmacologicum and American College of Neuropsychopharmacology awards

in neuropharmacology; and the Jacobaeus Prize. He is an elected member of the Institute of Medicine and the Association of American Physicians and serves on the editorial board of scientific journals in the field of sleep and biology research. Mignot has served as president of the Sleep Research Society; chair of the National Center on Sleep Disorders Research Advisory Board, NIH; and chair of the Board of Scientific Counselors, National Institute of Mental Health, NIH.

Mignot received his M.D. and Ph.D. from Paris V and VI University in France. He practiced medicine and psychiatry in France for several years before serving as a visiting scholar at the Stanford Sleep Disorders Clinic and Research Center. He joined the Stanford faculty and was named director of its Center for Narcolepsy in 1993. He was appointed professor of psychiatry in 2001 and director of the newly established Stanford Center for Sleep Sciences and Medicine in 2010.

Robert D. Schreiber, Ph.D., AAI '76

Alumni Endowed Professor of Pathology and Immunology and Head, Tumor Immunology Program, Siteman Cancer Center, Washington University School of Medicine (WUSM)



Robert Schreiber

Bob Schreiber's research aims to elucidate the molecular cell biology of cytokine receptor signaling and to define the effects of signaling dysfunction on tumor development. His work has changed the prevailing understanding of immune surveillance in cancer pathogenesis, proving that the immune system can play a major role in destroying tumors. His

cancer immunoeediting hypothesis has helped reveal that the immune system can also drive tumors into a dormant state that may result in an enhancement of their malignancy. The lab's work on cytokines includes in-depth analysis of signaling through the IFN- α and IL-10 receptors and the role of IFN- α in protective host antitumor responses. Having found that IFN- α can directly enhance tumor cell immunogenicity, the lab works on defining its specific roles in the tumor surveillance process, as well as elucidating the genetic mechanisms by which tumors become IFN- α insensitive and exploring the relationships between a tumor's IFN- α sensitivity and its growth aggressiveness in vivo. These studies have been critical to clinical efforts aimed at enlisting the immune system to battle cancer.

Schreiber is a past member and chair of the AAI Publications Committee and has served on the AAI Finance Committee and AAI Nominating Committee. He is a past AAI President's Symposium speaker, major symposium chair and speaker, AAI block chair, and guest society (Society for Immunotherapy of Cancer) speaker at the AAI annual meeting. He has also served for multiple years on the faculty of the AAI Advanced Course in Immunology.

Schreiber is a past president of the Society for Leukocyte Biology, for which he also served as treasurer. He has served on a variety of review panels at NIH and for other organizations, including the Cancer Research Institute (CRI), Kennedy Institute of Rheumatology, and International Society of Interferon and Cytokine Research (ISICR). His additional career appointments and honors include: member, American Academy of Arts and Sciences; member, National Cancer Institute (NCI) Board of Scientific Advisors; Distinguished Investigator Award, WUSM; Carl and Gerty Cori Faculty Achievement Award, Washington University; The Charles Rodolphe Brupbacher Prize for Cancer Research; organizer, Keystone Symposium; Coley Award for Distinguished Research in Basic and Tumor Immunology, CRI; Marie T. Bonazinga Award for Excellence in Leukocyte Biology Research; Milstein Award for Outstanding Achievements in Interferons and Cytokines, ISICR; fellow, American Association for the Advancement of Science; Merit Award, NCI, NIH; distinguished lecturer, National Jewish Health; American Heart Association Established Investigatorship; and NIH predoctoral fellowship. Schreiber's editorial board appointments and service have extended to journals including *Cancer Immunology*, *Immunotherapy*, *International Immunology*, *Immunity*, and *Journal of Biological Chemistry*.

A chemistry graduate of the State University of New York at Buffalo, Schreiber received his Ph.D. (biochemistry) from the same institution, where he also served as a postdoctoral fellow in medicine and biochemistry. He subsequently completed a postdoctoral fellowship in molecular immunology at the Scripps Research Institute, where he later served as an assistant and then associate member and held an assistant visiting professor appointment at Harvard Medical School. In 1985, Schreiber was appointed a professor of pathology at WUSM and has held his alumni-endowed professor appointment since 1990. He also holds an appointment as professor of molecular microbiology and is affiliated with the Ludwig Institute for Cancer Research.

Mark Shlomchik Becomes New Immunology Chair at Pitt and Inaugural Lupus Prize Honoree



Mark Shlomchik

Mark J. Shlomchik, M.D., Ph.D., AAI '96, has assumed the post of chair of the University of Pittsburgh (Pitt) School of Medicine Department of Immunology. Until recently, Shlomchik was professor of laboratory medicine and of immunobiology at Yale School of Medicine, where he also served as associate director of the transfusion service.

In addition to leading the Pitt immunology department, Shlomchik works closely with other Pitt medical school entities that focus on various aspects of immunology, including the Thomas E. Starzl Transplantation Institute, the Center for Vaccine Research, and the university's Cancer Institute.

As the first Lupus Insight Prize awardee, Shlomchik receives \$200,000 for use in innovative research on lupus. The prize, a collaborative initiative among the Alliance for Lupus Research, the Lupus Foundation of America, and the Lupus Research Institute, recognizes the achievements of an outstanding investigator in the field whose research efforts have a high likelihood of generating further advances in the understanding of the causes, biology, treatments, or cure of lupus. With the award funds, Shlomchik will create new animal models of lupus that produce neutrophils lacking NADPH oxidase to test how this molecule prevents animals from developing severe lupus.

Shlomchik's research addresses B cell development and immunopathogenesis, with a major area of focus being the development of autoreactive B cells and their roles in mediating autoimmune disease, particularly systemic lupus erythematosus. His lab has discovered

a great deal regarding the roles of Toll-like receptors in promoting systemic autoimmunity. Shlomchik also studies B cell activation and memory, including the mechanisms of cellular selection and differentiation in the germinal center and the identification and analysis of memory-specific genes. Additionally, the laboratory investigates how vaccines elicit protective antibodies and why memory T cells fail to cause graft-versus-host disease. Several of Shlomchik's findings have been translated into therapeutic strategies aimed at promoting tolerance in both autoimmune disorders and bone marrow transplantation.

A recent, two-term member of the AAI Nominating Committee, Shlomchik has also served as a major symposium chair and speaker at the AAI annual meeting, as an AAI Advanced Course in Immunology faculty member, and as an associate and section editor for *The Journal of Immunology*. Shlomchik has served on numerous NIH and NHLBI study sections and review panels, co-chaired the Lupus Research Institute Novel Research Taskforce, and served on the Arthritis Foundation's molecular immunology study section.

His additional career honors and appointments include: chair, FASEB Summer Research Conference on Autoimmunity (multiple); visiting professor, University of Oslo Center for Immune Regulation (multiple years); elected member, American Society for Clinical Investigation; elected member, Henry Kunkel Society; Hulda Irene Duggan Award, Arthritis Foundation. He has held editorial board appointments with *Biology Direct* and *Journal of Clinical Investigation* and served as a reviewer for *Blood*, *Transfusion*, *Journal of Experimental Medicine*, *Journal of Clinical Investigation*, *PLoS Biology*, *International Immunology*, *Immunity*, *European Journal of Immunology*, *Proceedings of the National Academy of Sciences USA*, *Nature Immunology*, *Nature Medicine*, and *Science*.

A graduate of Harvard College, Shlomchik received his M.D. and Ph.D. from the University of Pennsylvania, where he also completed residency training in pathology and laboratory medicine. After postdoctoral work at Fox Chase Cancer Center in Philadelphia, he joined the Yale faculty as an assistant professor in 1993 and was appointed full professor in 2004.

AAI Newsletter: Members in the News—Submissions Invited

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

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

Xue-Zhong Yu Joins Medical University of South Carolina as Distinguished Endowed Chair



Xue-Zhong Yu

Xue-Zhong Yu, M.D., AAI '97, has joined the faculty of the Medical University of South Carolina (MUSC), holding appointments as a professor in the Department of Microbiology and Immunology and the Department of Medicine and as Robert K. Stuart, M.D., Distinguished Endowed Chair in Hematology and Oncology. He is also affiliated with the Hollings

Cancer Center, a collaboration between MUSC and Clemson University.

Yu joins MUSC from the H. Lee Moffitt Cancer Center ("Moffitt") and the University of South Florida (USF), where he was a senior member of the Department of Immunology and the Department of Blood and Marrow Transplantation at Moffitt and an associate professor in the Department of Oncologic Sciences and Department of Pathology and Cell Biology at USF.

Yu's research focuses on T cell responses to transplantation antigens and tumors, addressing how signals through antigen receptors and costimulatory receptors modulate T cell activation and tolerance. The overarching goal of the laboratory's work is to develop ways to selectively induce T cell tolerance to inhibit the graft-versus-host disease that can be caused by T cells from allogeneic donors after hematopoietic stem cell transplantation (HSCT) while leaving the graft-versus-tumor activity of these cells intact. These studies could greatly enhance the therapeutic potential of HSCT.

Yu is a past recipient of an AAI Junior Faculty Travel Award and AAI Minority Scientist (Mentor/Trainee) Travel Award. His additional career awards include: Abstract Achievement Awards (multiple), American Society of Hematology (ASH); New Investigator Award, American Society for Blood and Marrow Transplantation (ASBMT); Career Development Award, NIH; Translational Research Award, Leukemia and Lymphoma Society of America; "Guang Hua" Prize (issued to outstanding graduate students), Peking University Health Science Center, China; and Accomplishment Award (for excellence in completing research project), State Committee of Science and Technology, China.

Yu has served on various review panels at NIH, including as an ad hoc reviewer for the Cancer Immunopathology and Immunotherapy study section, Research Answers to Provocative Questions panel, and Transplantation, Tolerance, and Tumor Immunology study section and for China's National Natural Science Foundation. He has participated as a symposium chair and abstract referee in connection with the ASH annual meeting and as a workshop chair at the ASBMT annual meeting. He is a member of the *American Journal of Blood Research* editorial board and has served as an ad hoc reviewer for multiple other journals including *Experimental Hematology*, *Biology of Blood and Marrow Transplantation*, *European Journal of Immunology*, *Expert Opinion in Biological Therapeutics*, *Blood*, *Cancer Research*, *American Journal of Transplantation*, *Journal of Leukocyte Biology*, *Disease Models and Mechanisms*, *Molecular Cancer*, *Immunology Letters*, *International Immunopharmacology*, and *Present Immunotherapy*.

Yu received his M.D. equivalent (Bachelor of Science degree in Medicine), along with a Master of Science degree in immunology, from Peking University Health Sciences Center in Beijing, China. He completed his residency at Jiangzi Institute of Parasitic Diseases in Nanchang, China, and later served as a postdoctoral fellow and then research associate at the Fred Hutchinson Cancer Research Center (FHCRC) in Seattle. He held subsequent appointments as an associate in clinical research (instructor) at FHCRC and research assistant professor at the University of Washington before joining Moffitt as an assistant member in 2004 and USF as an assistant professor in 2005. He was appointed an associate member at Moffitt and associate professor at USF in 2008.



Call for Nominations
**2014 AAI
Career Awards**
Deadline: November 1, 2013
—See Page 7—



IMMUNOLOGY 2013™

Attendees Celebrate AAI Centennial at IMMUNOLOGY 2013™

The spectacular AAI Centennial Celebration at IMMUNOLOGY 2013™ in Hawaii drew nearly 4,000 participants to the AAI annual meeting for a week of unsurpassed science, social events, historic commemoration, comradery—and, oh yes, fireworks!

Attendees hailed from 45 different countries to participate in the leading-edge science presented in 233 sessions by nearly 800 speakers. And they joined in celebrating the proud legacy of AAI through special centennial activities, displays, and events—including the AAI Centennial Timeline, AAI StoryBooth, VIP Lounge, and Walk of Notables—commemorating the founding of AAI in 1913.

This year's scientific program featured the special AAI Centennial Symposium, Gail Bishop's President's Address and President's Symposium, three Distinguished Lectures, multiple Career Award Presentations, the customary eight Major Symposia, and a rich lineup of sessions hosted by seven AAI committees, 15 guest societies, and three NIH institutes. The record number of 2,400 submitted abstracts yielded 84 exciting Block Symposia and over 100 Poster Sessions.

From the Opening Night Reception, generously sponsored by eBioscience, an Affymetrix Company, to the AAI Centennial Celebration Luau, sponsored by BioLegend, the week was rife with magical moments. We hope the photos presented here can begin to suggest the beauty of the Hawaii setting and the hospitality extended to all assembled there.

President's Program

AAI PRESIDENT'S ADDRESS



*AAI President Gail Bishop
delivering 2013 AAI
President's Address*

AAI PRESIDENT'S SYMPOSIUM



*Carl Ware, Linda Burkly,
Gail Bishop, Tania Watts,
Mick Croft*



*Gail Bishop with her President's
Address introducer Jeff Frelinger*



Celebrating 100 Years



AAI Special Centennial Symposium



Speaker David Baltimore, session co-chair Leo Lefrançois, speaker Pippa Marrack, Gail Bishop, session chair Michele Hogan, speaker Roger Perlmutter (not pictured: speaker Tony Fauci)



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AAI Centennial Timeline

In celebration of its 100th anniversary, AAI presented the AAI Centennial Timeline, a 125-foot-long structure in the shape of an antibody running through the center of the IMMUNOLOGY 2013™ exhibit hall. The eight-and-one-half-foot-tall antibody-shaped structure depicted seminal events spanning the past 100 years of immunology, presenting them in the context of important developments in science and technology and U.S. and world history. Everyone entering the exhibit hall immediately encountered the introductory panel of this arresting structure chronicling the history of the association and the science.



Mock-up of 125-foot-long structure displaying the AAI Centennial Timeline at IMMUNOLOGY2013™





Celebrating 100 Years

AAI Distinguished Lectures



AAI Program Chair Leo Lefrançois, Gail Bishop, lecturer Steve Hedrick, AAI Executive Director Michele Hogan



Gail Bishop, lecturer Ruslan Medzhitov, Leo Lefrançois



Lecturer Jenny Ting, Gail Bishop

AAI Honors for Career Achievement

AAI LIFETIME ACHIEVEMENT AWARD



Gail Bishop with awardee Katherine Knight

AAI EXCELLENCE IN MENTORING AWARD



Awardee Suzanne Ostrand-Rosenberg with nominator and introducer Pratima Sinha

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VIP and Media Lounges

Adjacent to the AAI Centennial Timeline in the IMMUNOLOGY 2013™ exhibit hall, visitors were introduced to the AAI Oral History Project. Viewing stations in the VIP and Media Lounges displayed exclusive interviews of AAI presidents produced during the past year as part of the Oral History Project. The lounges also offered attendees relaxing spaces in which to meet and talk with preeminent immunologists, including past and present members of the AAI leadership, in attendance at the historic Hawaii gathering. For details on the interviews included as part of the Oral History Project, see "AAI Oral History Project Available Online," p. 10.





Celebrating 100 Years

AAI Scientific and Service Recognition Awards

AAI-Life Technologies Meritorious Career Award Presentation & Lecture



Leo Lefrançois, Michele Hogan, Gail Bishop, awardee Jenny Ting, and Life Technologies' Valerie Bressler-Hill and Jeff Rossio

AAI-BD Biosciences Investigator Award Presentation & Lecture



BD Bioscience's Robert Balderas, Gail Bishop, awardee David Artis, Michele Hogan

AAI Award for Human Immunology Research Presentation & Lecture



Gail Bishop, awardee Barton Haynes

AAI Distinguished Service Award Recipients



Awardee Derry Roopenian

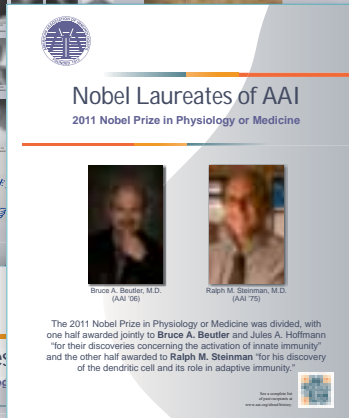
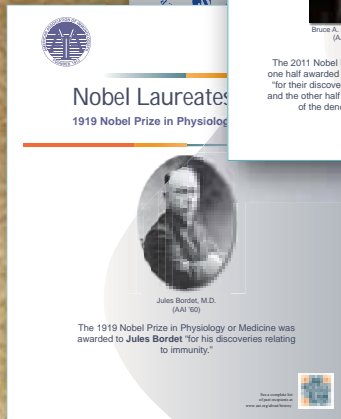
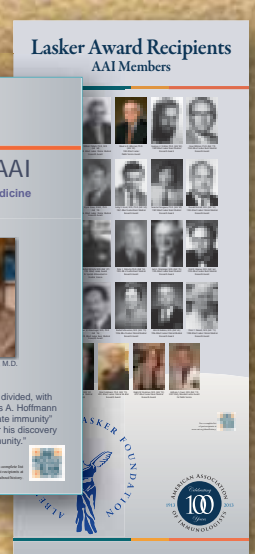


Awardee Prosper Boyaka

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AAI Walk of Notables

On prominent display in the main session hall at IMMUNOLOGY 2013™, the Walk of Notables highlighted AAI members, past and present, who have been recipients of science's highest honors. Featured were the 25 Nobel Laureates and 48 Lasker Award recipients represented among AAI members, along with more than 200 member recipients of a dozen additional awards that are among the most prestigious national and international honors for science and immunology.





Celebrating 100 Years

AAI Professional Development Awards

Pfizer-Showell Award



Awardee Gregory Sonnenberg, Gail Bishop

Chambers-eBioscience Memorial Award



Awardee Stephanie Watkins, eBioscience's Tony Ward

Lustgarten-eBioscience Memorial Award



Awardee Ross Kedl, Tony Ward, Gail Bishop

AAI-Life Technologies Trainee Achievement Awards



Flanked by Jeff Rossio (at left) and Gail Bishop and Michele Hogan (at right), awardees (L-R) Greg Delgoffe, Laurel Monticelli, Jae-Kwang Yoo, Gabriel Loeb, Feng-Yen Li, Sivapriya Kailasan Vanaja

AAI was also pleased to support the following:

- AAI Early Career Faculty Travel Grants
- AAI Laboratory Travel Grants
- AAI Undergraduate Faculty Travel Grants
- AAI Minority Scientist Travel Awards
- AAI Trainee Abstract Awards
- AAI Trainee Poster Awards

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Immunology in Popular Culture

Several spaces in the IMMUNOLOGY 2013™ exhibit hall were dedicated to centennial cafés, where visitors could gather to relax as well as learn about the history of immunology in popular culture. Displays in each café featured the *Immunology in Popular Culture* exhibit, which included a range of popular magazines, among them four vintage *TIME* magazines with prominent AAI members on their covers. Also exhibited were advertisements, food items, health aids such as vitamins, over-the-counter health products, and additional popular media such as books, albums, DVDs, cartoons, and toys—all related to immunology. In addition to the glass-enclosed exhibits centered in each café, the café walls were decorated with framed iconic New Deal-era public health posters and archival photographs tied to the history of immunology.





Celebrating 100 Years

AAI Committee on Public Affairs Session, *The Importance of Communicating Science in an Era of Doubters and Deniers*



Lauren Gross, Michele Hogan, CPA and session chair Liz Kovacs, speaker Joe Palca of National Public Radio, Gail Bishop, speaker Olja Finn, CPA member Lisa Borghesi, Jake Schumacher

AAI Minority Affairs Committee (MAC) Careers and Networking Roundtable



MAC roundtable attendees discussing career issues

AAI Committee and Career Development Sessions

AAI Committee on the Status of Women (CSOW) and AAI Education Committee Careers in Science and Networking Roundtable



Gail Bishop (center) during a table discussion



Session chair Scheherazade Sadegh-Nasseri (right) at discussion on Career and Family topic

AAI Education Committee Careers in Biotech Session



With session chair Steven Varga (2nd from right), Careers in Biotech session panelists Kerry Casey, MedImmune; Jonathan Deane, Genomics Institute of the Novartis Research Foundation; Joanne Viney, Biogen Idec; Michael Crowley, Genentech, Inc.

AAI Minority Affairs Committee (MAC) Guest Lecture



MAC guest lecturer Esteban Celis with a session attendee

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AAI StoryBooth

IMMUNOLOGY 2013™ participants took advantage of the opportunity to contribute their piece of AAI history by visiting the AAI StoryBooth. Attendees recorded on-camera accounts of the scientific milestones and turning-point relationships with friends, colleagues, and mentors that have shaped their careers as immunologists. The recollections live on as part of the AAI History online archive at www.aai.org/About/History.



Susanna Greer and Charlie Garnett Benson



Sharon Germana and Christian LeGuern



David Soler

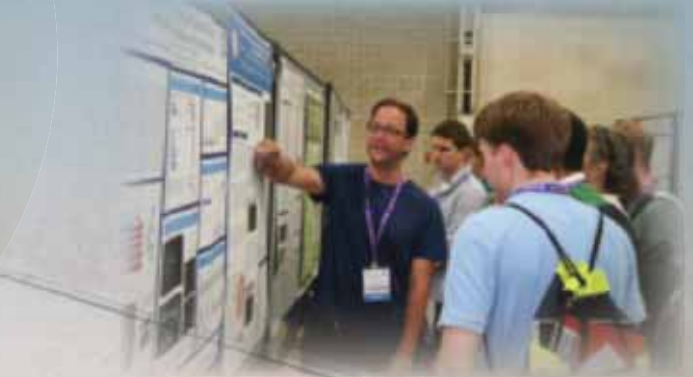
Greg Carey





Celebrating 100 Years

AAI Poster Sessions



IMMUNOLOGY 2013™

Exhibit Hall



Social Events

OPENING NIGHT RECEPTION

Sponsored by eBioscience, an Affymetrix Company

Staged in the beautiful Hawaii Convention Center following the AAI president's opening address, this event brought attendees together in a festive atmosphere featuring live Hawaiian music and tropical culinary treats and libations. It set the tone for a wonderful week of exploring and discussing cutting-edge immunology, renewing longstanding friendships, and expanding scientific and social networks.



Tony Ward (center) with eBioscience colleagues



PRESIDENT'S SERVICE APPRECIATION RECEPTION

Sponsored by BioLegend

This annual event acknowledges the many volunteers who worked on AAI programs in 2012–2013.



Gail Bishop pictured with customized "Will do TRAF gene targeting for food" T-shirt



Three "generations" of The Journal of Immunology leadership: incoming editor-in-chief Pam Fink flanked by predecessors Bob Rich (left), Jerry Boss



BioLegend founder Gene Lay (left) joins Gail Bishop in welcoming attendees

IMMUNOLOGY 2013™

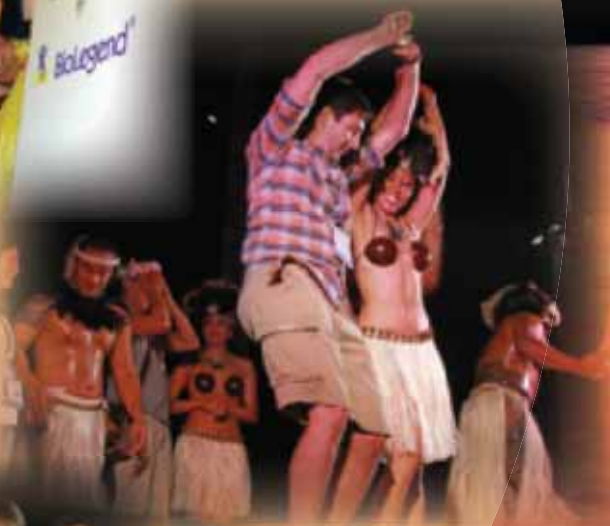
AAI CENTENNIAL CELEBRATION LUAU

Sponsored by BioLegend

Launched before a breathtaking sunset along the Waikiki waterfront, this spectacular event featured live performances of native Hawaiian music and dance, a sumptuous island buffet, hands-on demonstrations of lei making, tattoo artistry, hula dancing, and palm weaving—and culminated in an awe inspiring fireworks display befitting the occasion of the 100th AAI Anniversary. Relive the historic event (or see what you missed) by viewing exclusive video now available online! Visit the AAI Centennial Luau Performances and Fireworks page at aai.org/About/History/Luau.html.



*BioLegend founder Gene Lay (center)
with attendees*





The American Association of Immunologists thanks the following sponsors for their generous support of the 2013 AAI Annual Meeting and Centennial Celebration

May 3–7, 2013 ■ Honolulu, Hawaii ■ Hawaii Convention Center

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- Lustgarten-eBioscience Memorial Award
- Opening Night Welcome Reception
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- AAI-Life Technologies
Meritorious Career Award
- AAI-Life Technologies
Trainee Achievement Awards

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Future AAI Annual Meetings

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2014



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May 13–17

Seattle, Washington



Official Proclamations Pay Tribute to AAI on Its 100th Anniversary

In recognition of this year's AAI Centennial, the association has received multiple proclamations from public officials, including the governor of Maryland and members of the state's U.S. congressional delegation in Washington, D.C.

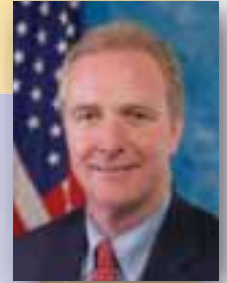
On Friday, April 12, 2013, U.S. Representative Chris Van Hollen, who represents the 8th Congressional District that is home to AAI (and NIH), saluted AAI in a statement published in the *Congressional Record*. The statement appears on the next page.

On May 1, 2013, Maryland Governor Martin O'Malley issued the proclamation displayed on this page, declaring May 2013 "a time to recognize and applaud the AAI 100th Anniversary Celebration" and commending the observance to citizens throughout the state.

Also in May, separate proclamations were issued by both of Maryland's U.S. senators, Barbara Mikulski and Ben Cardin, congratulating AAI for its century-long support for immunologists and their vital role in preventing, treating, and curing diseases. Those proclamations are pictured on the next page.

To view reproductions of the proclamations, visit the AAI website at www.aai.org/news/proclamations.html. The original, framed proclamations are proudly displayed in the offices of the AAI and *The Journal of Immunology* headquarters in Bethesda, Maryland.





TRIBUTE TO THE AMERICAN ASSOCIATION OF IMMUNOLOGISTS, INC. ON ITS 100TH ANNIVERSARY

HON. CHRIS VAN HOLLEN

OF MARYLAND
IN THE HOUSE OF REPRESENTATIVES

Friday, April 12, 2013

Mr. VAN HOLLEN. Mr. Speaker, I am pleased to congratulate the members and staff of the American Association of Immunologists, AAI, on the occasion of the organization's 100th anniversary.

Located in Bethesda, Maryland, AAI has contributed to the health of all Americans by working to advance the field of immunology and by seeking better ways to prevent, treat and cure disease. With more than 7,600 members in 65 countries, AAI fosters the exchange of scientific ideas and information by organizing scientific meetings and courses, publishing a highly-respected scholarly journal, and promoting a better understanding of immunology and the work of research scientists.

Primarily through funding from the National Institutes of Health, AAI members are working on some of the most critically important and promising areas of basic and clinical research with profound implications for a wide range of diseases and conditions, including: developing effective vaccines for influenza, HIV/AIDS, and agents of bioterrorism; discovering new defenses against re-emerging tuberculosis and drug-resistant bacterial infections; regulating debilitating autoimmune diseases such as diabetes and rheumatoid arthritis; developing treatments to prevent the rejection of transplanted organs and bone marrow; and understanding the immunological basis of cancer and developing immune-based therapies.

AAI is the largest, most prestigious professional association for immunologists in the world. I am proud that it is located in Maryland's Eighth Congressional District, which I am privileged to represent.

I ask my colleagues to join me in congratulating AAI on this historic centennial occasion and extend to it all good wishes for continued success in its important work.



May 2013

The American Association of Immunologists
4901 Rockville Pike
Bethesda, Maryland 20814

Dear Friends:

I am pleased to offer my congratulations and sincere appreciation to the American Association of Immunologists (AAI), its members and staff on the occasion of its centennial year. AAI has been located in Maryland for more than 48 years, but has grown from its original 32 members to its present size over 7,600 members since 1913.

Today, with members in 65 countries and with many of its employees and members living and working in Maryland, the AAI continues to advance the field of immunology by providing needed support to its members. Research into the immune system is critical to preventing, treating and curing diseases.

The people of Maryland and the members of the U.S. Senate are pleased to recognize the 100th anniversary of the AAI. I want to thank your members for all they have done to sustain the immune system and promote better health outcomes.

Best wishes,

Sincerely,

Benjamin L. Cardin
United States Senator



Donald A. Rowley, M.D., AAI '63

Pioneering Immunologist, 1923–2013

AAI emeritus member Donald A. Rowley, M.D., a professor emeritus at the University of Chicago and past associate editor for The Journal of Immunology, died earlier this year in Chicago. The following remembrance, authored by John Easton and published on March 5 by the University of Chicago's online UChicagoNews, is reprinted here with the kind permission of that publication.

Donald Rowley, a pioneer in discovering how the immune system functions and the inventor of the gel electrode, a crucial tool that monitors cardiac activity, died at his home February 24, after a long battle with congestive heart failure. He was 90 years old.

Rowley, professor emeritus in pathology and the Committee on Immunology, was a wide-ranging and imaginative researcher. He made a series of fundamental discoveries that had a significant impact on the basic understanding of the immune system as well as on many clinical specialties, including cancer immunology, organ transplantation and cardiovascular disease.

“Don Rowley was someone who did productive original research in many fields,” said immunologist Hans Schreiber, professor of pathology at UChicago and a former student of Rowley’s. “He had the capacity to dig into many different areas, ask the important questions, design elegant experiments to answer them and then shift his attention to new problems. Don was always looking for the next important question. He was admired by people I admire.”

His best-known discovery came outside his chosen field. In 1954, as an immunologist working in a pathology department, Rowley was “coerced,” as he put it in a memoir, “into spending two days a week for two years on the hospital’s autopsy service.”

He and cardiac pathologist Seymour Glagov, were struck by a colleague’s observation during an autopsy that people who died from clogged coronary arteries often had pristine renal arteries. They wondered: Could something related to proximity to the beating heart be the cause? If so, they hypothesized, those with higher heart rates would have greater risk.

At the time, there were no tools to monitor heartbeats over long periods; so they invented one. They worked with an undergraduate student at UChicago and a watch



Donald Rowley

repairman to convert a spring-wound pocket watch into a portable pulse counter and built tiny electrical sensors that could be glued reliably to the chest—the first gel electrodes. The gadget later would be scaled up with help from the Elgin National Watch Co. and Illinois Bell Telephone.

This simple device, no bigger than a deck of cards, accurately could record the electrical activity of the heart for more than 24 hours. It heralded the birth of ambulatory cardiology. Rowley and colleagues described their counter in a report to *Science* in 1959. They performed additional studies on 100 volunteers, showing enormous variation in daily heart rates.

Reaction from most clinicians “ranged from open hostility to amiable skepticism,” Rowley later would recall. By the late 1960s, several studies had confirmed the connections between continuously elevated pulse rates and heart attacks or sudden cardiac death. By then, the gel electrode had become ubiquitous.

“We never considered patenting the principle of the electrodes,” Rowley later lamented. It was “simply not part of the academic culture.”

In the late 1960s, Rowley and his graduate student Donald Mosier were the first to describe the function of a previously unrecognized cell type, a component of the adaptive immune system they labeled the “A cell,” for its “adherent, accessory or antigen-presenting capacity.” This was a rare blood cell that could recognize elements of foreign tissue and present these antigens to B and T lymphocytes, which play a major role in the body’s adaptive immune response.

In 1973, a research team headed by Ralph Steinman at the Rockefeller University also described a new immune cell type, which they called the dendritic cell for its branching, tree-like shape. Over time, it became clear that A and dendritic cells were “one and the same,” according to a 2012 essay by Rowley and Frank Fitch, professor emeritus of pathology at the University of Chicago. Subsequent work by the Rockefeller group demonstrated the fundamental importance of dendritic cells in the initiation and regulation of the body’s response to foreign antigens—work that posthumously brought Steinman the 2011 Nobel Prize.

“The Rockefeller team did marvelous work on this and convinced the scientific community,” said Schreiber, “but Rowley had the function before Steinman had the shape.”

Rowley made additional advances in several areas. In the early 1950s, he demonstrated the critical role of the spleen in antibody production, showing that its removal virtually abolished production of circulating antibodies.

In the 1960s, Rowley and Fitch developed a highly targeted way to suppress the immune system’s attack on transplanted organs. By exposing a rat to antigens from an organ-donor rat the day before a transplant, followed the next day with antibodies against those antigens, they could prevent rejection without weakening the rat’s defenses against pathogens. This seemingly promising approach never reached human trials.

“They were terrific guys to work with,” said transplant surgeon Frank Stuart, who came to the University of Chicago in 1966. “Together, we devised more and more specific ways to tamper with each immunologic pathway. This work eventually let us focus treatment like carefully targeted rifle shots, rather than blasting the whole immune system with a blunderbuss.”

From then on, much of Rowley’s research focused on immunology and cancer. He tested novel methods to focus the immune system on tumors and to prevent the cancer from weakening or deflecting an immune response.

Distinguished Career at UChicago

Donald Adams Rowley was born Feb. 4, 1923, in Owatonna, Minn., about 50 miles south of Minneapolis. His father, Julian, a doctor of osteopathic medicine, taught him to sail and they built boats and rafts together. Rowley graduated from Pillsbury Military Academy as valedictorian in 1941 and won a full scholarship, worth \$300 a year, to the University of Chicago.

In 1943, Rowley enlisted in a U.S. Army program that trained physicians. This allowed him to combine the last two years of college with first years of medical school. He graduated from college in 1945, but was soon expelled from medical school for, in his words, “asking too many questions, arguing and other defects of character.”



Donald Rowley in his lab

The Army sent him to the Philippines to work in a medical-aid station being set up in advance of an invasion on Japan. With the surrender of the Japanese that August, the aid station was used to provide care for Japanese prisoners.

In 1946, Rowley returned to UChicago as a graduate student in pathology and worked in the laboratory of the department chairman on a project that led to two single-authored papers.

He was allowed to return to medical school in January 1948, when he met fellow medical student Janet Davison at an ice skating rink; she

needed help and he, a skilled hockey player, provided it. They married 11 months later on Dec. 18, 1948—the day after she graduated from medical school. He received his master’s degree in pathology and his doctor of medicine degree in 1950.

After an internship at the U.S. Public Health System’s Marine Hospital in Chicago, he served as an assistant surgeon for the Public Health System’s National Institute of Allergy and Infectious Diseases, where he studied the pathogenesis of histoplasmosis, a fungal infection. In 1954, he returned to the University of Chicago as a research associate (instructor) in pathology and was on the autopsy service, as well as doing research at what was then called La Rabida Sanitarium.

Rowley was promoted to assistant professor in 1957, associate professor in 1961 and professor in 1969. He also was named a professor of pediatrics in 1973 and served as the director of the La Rabida Children’s Hospital and Research Center from 1978 to 1981, and as director of research at the La Rabida-University of Chicago Institute from 1973 to 1987.

A prolific author, Rowley published more than 100 research papers, many in leading journals, as well as several book chapters. He helped his graduate students publish single-author papers, describing work done under his supervision in his laboratory, often in high-profile journals such as *Science* or *The Journal of Immunology*. “This is a courtesy that no longer exists,” Schreiber said.

That sort of generosity, giving his students complete credit, “was typical of Don,” Fitch said. “He was a wonderful, genuine friend and colleague and, for many students and young faculty, a mentor. He was a small-town boy who thrived in the big city.”

Continued on next page

IN MEMORIAM Donald Rowley (continued)

Rowley received many honors. He received a U.S. Public Health System Merit Award. Both he and his wife were named American Association for the Advancement of Science fellows by their peers in 1998 in recognition of “meritorious efforts to advance science.” He served as president of the Chicago Association of Immunologists and as associate editor of *The Journal of Immunology*. He was a member of the immunobiology study section of the National Institutes of Health and of the Leukemia Research Foundation’s advisory board.

He reveled in the accomplishments of his wife, who raised their sons while working part time as a physician and then met extraordinary success in cancer research, winning a steady stream of honors, including the Lasker Award and the Presidential Medal of Freedom.

“I admired Don for that,” Fitch said. “He was proud but in no way jealous, and it did not affect how he approached his career.”

He was also a good father, according to his son, David. “He was reasonably strict early in life,” he said, “but unbelievably supportive later on.”

Rowley shared his deep interest in woodworking with his sons, organizing summer projects together, which usually involved boats. He filled the home with tables, chairs, shelves and bookcases he designed and built. He even patented his design for lightweight tables that could be fastened onto balcony railings.

In 1993, Rowley moved to emeritus status, but he remained active in the laboratory into his late 80s, publishing several papers in 2012. He continued to do research until the end, meeting with a colleague the day before he died to discuss a project.

Rowley is survived by his wife, Janet, a distinguished service professor at the University of Chicago; three of their four sons: David, Robert and Roger; five grandchildren: Jason, Jenny, Gia, Anra, and Ian; and his sister, Alice Panzer.

A memorial service is being planned for the spring. In lieu of flowers, contributions may be directed to the Donald and Janet Rowley Scholarship Fund, which aids undergraduates at the University of Chicago.

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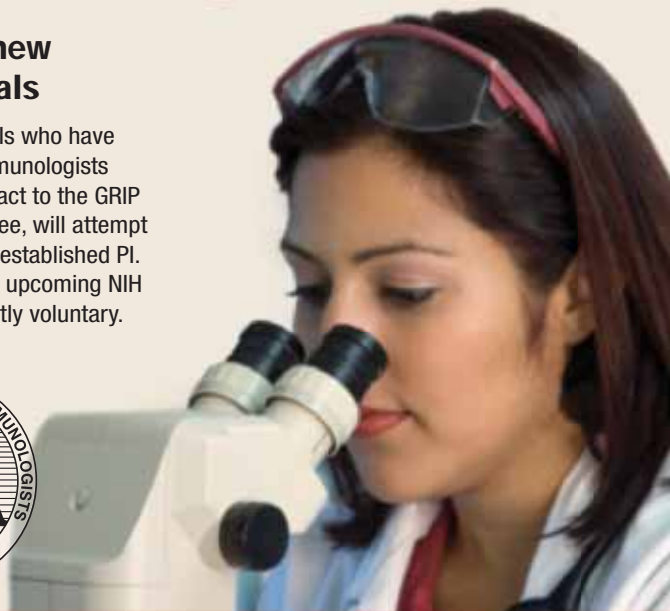
GRIP

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



AAI Travel Awards and Grants for the 15th International Congress of Immunology

AAI support for travel awards and grants assisted nearly 60 scientists in attending the 15th International Congress of Immunology (ICI), August 22–27, 2013, in Milan, Italy. We congratulate the following recipients.

The Journal of Immunology Young Investigator Awards for the 15th ICI

Wiebke Hansen, Ph.D.

Assistant Professor
University Hospital Essen

Mithun Khattar

Graduate Student
University of Toledo

Tam Quach, Ph.D.

Postdoctoral Fellow
The Feinstein Institute for Medical Research

Yui-Hsi Wang, Ph.D.

Assistant Professor
Cincinnati Children's Hospital
University of Cincinnati College of Medicine

AAI Travel Grants for the 15th ICI

Claudia A. Alves De Araujo, Ph.D.

Postdoctoral Research Associate
St. Jude Children's Research Hospital

Pornpimon Angkasekwinai, Ph.D.

Assistant Professor
Thammasat University

Boris Calderon, M.D.

Assistant Professor
Washington University School of Medicine

Hui-Hsin Chang, Ph.D.

Postdoctoral Fellow
Brigham and Women's Hospital

Sarah E. Church, Ph.D.

Postdoctoral Fellow
Earle A. Chiles Research Institute

John J. Erickson

Graduate Student
Vanderbilt University

Charlie Garnett Benson, Ph.D.

Assistant Professor
Georgia State University

Skye Geherin

Graduate Student
University of Pennsylvania

Maria A. Guerrero-Plata, Ph.D.

Assistant Professor
Louisiana State University

Si-Han V. Hai

Graduate Student
University of California, San Francisco

Qifeng Han

Graduate Student
Emory University

Zaruhi Karabekian, Ph.D.

Research Assistant Professor
The George Washington University

Laurie L. Kenney

Graduate Student
University of Massachusetts Medical School

Markus Kleinewietfeld, Ph.D.

Associate Research Scientist
Yale University

Kazuhiro Komura, M.D., Ph.D.

Assistant Professor
Municipal Tsuruga Hospital

Yuk Yuen Lan, Ph.D.

Research Fellow
Massachusetts General Hospital

Irina G. Luzina, M.D., Ph.D.

Assistant Professor
University of Maryland School of Medicine

Nidhi Malhotra, Ph.D.

Postdoctoral Fellow
University of Massachusetts Medical School

Francesco Marangoni, Ph.D.

Postdoctoral Fellow
Massachusetts General Hospital

Karl K. McKinstry, Ph.D.

Instructor
University of Massachusetts Medical School

Megan E. Nelles, Ph.D.

Postdoctoral Fellow
University of Toronto

Michelle Nelson, Ph.D.

Postdoctoral Fellow
Medical University of South Carolina

Rodrigo Pacheco, Ph.D.

Associate Investigator
Fundación Ciencia y Vida

Yfke Pasman

Graduate Student
University of Guelph

Olga M. Pena Serrato

Graduate Student
University of British Columbia

Giorgio Raimondi, Ph.D.

Assistant Professor
Johns Hopkins School of Medicine

Vijay Rathinam, D.V.M., Ph.D.

Postdoctoral Fellow
University of Massachusetts Medical School

Catarina Sacristan, Ph.D.

Postdoctoral Fellow
New York University School of Medicine

Susan R. Schwab, Ph.D.

Assistant Professor
New York University School of Medicine

Wenhai Shao, Ph.D.

Assistant Professor
Temple University School of Medicine

Michiko Shimoda, Ph.D.

Assistant Professor
Georgia Health Sciences University

Tara M. Strutt, Ph.D.

Instructor
University of Massachusetts Medical School

Rebecca A. Sweet, Ph.D.

Postdoctoral Fellow
The Australian National University

Paul G. Thomas, Ph.D.

Assistant Member
St. Jude Children's Research Hospital

Tonya J. Webb, Ph.D.

Assistant Professor
University of Maryland School of Medicine

ICI-AAI Travel Grants for Immunologists from Developing Countries

Manar Atoum, Ph.D.

Associate Professor
The Hashemite University
Jordan

Ivan Best, Ph.D.

Postdoctoral Fellow
Farmacológicos Veterinarios
Peru

Arimand Bhattacharyya, Ph.D.

Assistant Professor
University of Calcutta
India

Elena Blinova, Ph.D.

Staff Researcher
Russian Academy of Medical Sciences
Russia

Alejandra Capozzo, Ph.D.

Researcher
National Research Council of Argentina
Argentina

Maria Clavijo Salomón

Graduate Student
University of São Paulo
Brazil

L. Sebastián Dergan Dylon

Graduate Student
National University of Buenos Aires
Argentina

Shweta Dubey, Ph.D.

Assistant Professor
Amity Institute of Virology and Immunology
India

Sheron Dzoro

Laboratory Research Assistant
Botswana-Harvard HIV Reference Laboratory
Botswana

Marsia Gustiananda, Ph.D.

Postdoctoral Researcher
Eijkman Institute for Molecular Biology
Indonesia

Uma Kanga, Ph.D.

Senior Research Scientist
All India Institute of Medical Sciences
India

Rashmi Kumar, Ph.D.

Associate Professor and Department Head
Bundelkhand University
India

Yaowapa Maneerat, D.V.M., Ph.D.

Associate Professor
Mahidol University
Thailand

Nikolina Mihaylova, Ph.D.

Postdoctoral Fellow
Bulgarian Academy of Sciences
Bulgaria

Claudia Mongini, Ph.D.

Research Assistant
National Research Council of Argentina
Argentina

Moses Ode Odugbo, Ph.D.

Assistant Director
Bacterial Vaccine Division
National Veterinary Research Institute
Nigeria

Gaone Retshabile

Student
Kilimanjaro Christian Medical University
College
Tanzania

Neha Sharma, Ph.D.

Scientist-C (Postdoctoral Fellow)
All India Institute of Medical Sciences
India

Aminu Wada-Kura

Scientific Officer
National Biotechnology Development Agency
Nigeria

Fei-Ling Yap

Graduate Student
International Medical University
Malaysia

GRANT AND AWARD DEADLINES

October 25—Alan T. Waterman Award

- **Prize/Award:** Award medal and a grant of \$1,000,000 over a five-year period for research or advanced study at the institution of the recipient's choice in any field of science or engineering supported by the National Science Foundation (NSF)
- **Eligibility:** U.S. citizen or permanent resident researchers who are not more than 35 years of age or not more than seven years beyond Ph.D. receipt with demonstrated, exceptional achievements in the mathematical, physical, biological, engineering, social, or other sciences
- **Details:** www.nsf.gov/od/waterman/waterman.jsp
- **Contact:** Mayra N. Montrose, Office of Integrative Activities, NSF: (703) 292-9040

October 30—National Science Board Vannevar Bush Award

- **Prize/Award:** Vannevar Bush Award medal and framed certificate conferred at black-tie honors reception in Washington, D.C.
- **Eligibility:** U.S. citizens who are exceptional life-long learners in science and technology and have made substantial contributions to the national welfare through public service activities in science, technology, and public policy
- **Details:** www.nsf.gov/nsb/awards/bush.jsp
- **Contact:** Ann Ferrante, aferrant@nsf.gov; (703) 292-4520

November 1—AAI Career Awards for 2014 (Various)

- **Prize/Award:** Recognition of AAI members for outstanding research and career achievements in one of four categories; three awards confer cash prizes (\$10,000; \$5,000; \$5,000); all confer an engraved plaque and registration and travel support to attend the AAI annual meeting
- **Eligibility:** AAI members in good standing nominated by a member for outstanding achievement in one of four categories, including early-career immunology research; mid-career immunology research; human immunology research; and outstanding mentoring
- **Details:** See page 7 of this newsletter; visit: www.aai.org/Awards/Career/index.html
- **Contact:** awards@aai.org; (301) 634-7178

November 1—Burroughs Wellcome Fund Investigators in the Pathogenesis of Infectious Disease Program

- **Prize/Award:** Five-year funding of \$500,000 in support of human infectious disease research focusing on pathogenesis in viral, bacterial, or eukaryote systems
- **Eligibility:** Early-career (assistant-professor-level) researchers conducting innovative investigation of interactions of hosts and pathogenic and non-pathogenic microbes
- **Details:** www.bwfund.org/grant-programs/infectious-diseases/investigators-pathogenesis-infectious-disease/program-application
- **Contact:** Jean Kramarik, Senior Program Associate: jkramarik@bwfund.org; (919) 991-5122

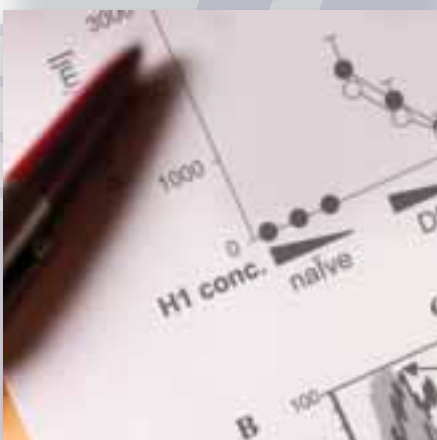
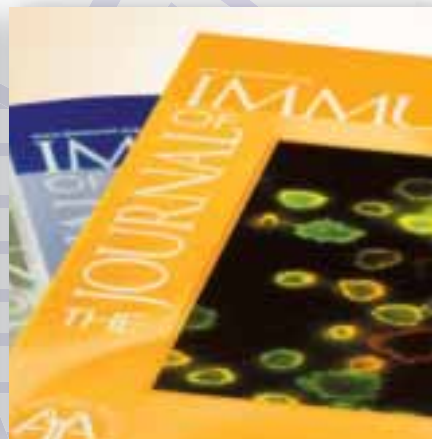
November 1—Cancer Research Institute Clinic and Laboratory Integration Program (CLIP)

- **Prize/Award:** Up to \$100,000 in annual funding for two years, with awards directed to host institution
- **Eligibility:** Scientists of any nationality who hold tenure-track faculty appointments at assistant professor rank or higher and whose basic, pre-clinical, or translational research explores clinically relevant questions aimed at improving the effectiveness of cancer immunotherapies
- **Details:** [www.cancerresearch.org/grants-programs/grants-fellowships/clinic-and-laboratory-integration-program-\(clip\)/clip-application-guidelines](http://www.cancerresearch.org/grants-programs/grants-fellowships/clinic-and-laboratory-integration-program-(clip)/clip-application-guidelines)
- **Contact:** Office of Grants Administration: grants@cancerresearch.org; (212) 688-7515

November 1—Warren Alpert Foundation Prize

- **Prize/Award:** Prize of \$250,000 awarded in recognition of scientific achievement related to human disease prevention, cure, or treatment
- **Eligibility:** One or more scientist(s), physician(s), and/or researcher(s) from any country nominated for scientific achievements that have led to the prevention, cure, or treatment of human disease or whose research constitutes a seminal scientific finding of great promise toward transforming understanding of and/or ability to treat disease
- **Details:** <http://alpertprize.hms.harvard.edu/nomination>
- **Contact:** Edward Canton: edward_canton@hms.harvard.edu

Scientific Publishing



Dos and Don'ts for Authors and Reviewers

*Collected articles based upon presentations given
by the AAI Publications Committee
at annual meetings of
The American Association of Immunologists (AAI)*



Meetings and Events Calendar

Mark Your Calendar for These Important Dates!

2013

October 10–13, 2013
13th International Workshop
on Langerhans Cells
Royal Tropical Institute
Amsterdam, The Netherlands
www.lc2013.nl

October 20–22, 2013
46th Annual Meeting of the Society
for Leukocyte Biology
Newport Marriott
Newport, Rhode Island
<http://leukocytebiology.org/Categories/Meetings.aspx>

October 20–23, 2013
16th Annual New York State
Immunology Conference
Sagamore Resort and Conference Center
Bolton Landing, New York
www.amc.edu/NYIC

October 22–26, 2013
American Society of Human Genetics
(ASHG) 2013 Annual Meeting
Boston, Massachusetts
www.ashg.org

October 28–30, 2013
15th Annual NIH SBIR/STTR Conference
Sioux Falls, South Dakota
www.usdresearchpark.com

November 9–13, 2013
Society for Neuroscience 2013 Annual
Meeting
San Diego, California
www.sfn.org

November 13–16, 2013
ABRCMS 2013
Nashville, Tennessee
www.abrcms.org

November 14–16, 2013
Association for Molecular Pathology
2013 Annual Meeting
Phoenix, Arizona
www.2013amp.org/index.cfm

December 14–18, 2013
2013 American Society for Cell Biology
Annual Meeting
New Orleans, Louisiana
www.ascb.org

2014

January 25–28, 2014
53rd Midwinter Conference
of Immunologists at Asilomar
Asilomar Conference Grounds
Pacific Grove (near Monterey), California
www.midwconfimmunol.org

February 26–March 2, 2014
2014 BMT Tandem Meeting
Gaylord Texan Hotel & Convention Center
Grapevine, Texas
www.cibmtr.org/Meetings/Tandem/pages/index.aspx

April 4–6, 2014
The Yin and Yang of Inflammation
Trudeau Institute
Saranac Lake, New York
(at the High Peaks Resort, Lake Placid,
New York)
Contact: Seminars2014@TrudeauInstitute.org

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.immunology2014.org

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
34th 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

May 13–17, 2016
IMMUNOLOGY 2016™, AAI Annual
Meeting
Seattle, Washington
www.aai.org/Meetings/Future_Meeting.html

Save the Date for
IMMUNOLOGY 2014™

AAI Annual Meeting | May 2–6, 2014 | Pittsburgh, Pennsylvania



The American Association of Immunologists



www.IMMUNOLOGY2014.org

Celebrating 100 Years

1913-2013

Chronicling the AAI Legacy

Commemorative Literature. AAI staff historians and scientists are rigorously researching, archiving, and publishing materials to preserve the proud heritage of the association. Articles posted in the history section of the AAI website, www.aai.org/About/History, include:

- The Founding of AAI
- The Founding of *The Journal of Immunology*
- Immunologists during the First World War: One Soldier-Scientist's Experience
- The 1918–1919 Influenza Pandemic as covered in *The Journal of Immunology*
- The Science at the First AAI Annual Meeting
- Anna Wessels Williams, M.D.: Infectious Disease Pioneer and Public Health Advocate
- Elise Strang L'Esperance, M.D.: Pioneer in Cancer Prevention and Recipient of Lasker Award
- “Studies in Anaphylaxis”: The First Article in *The Journal of Immunology*
- Rebecca Lancefield, Ph.D. (AAI 1933; President 1961–62): PI in the Scotland Yard of Streptococcal Mysteries
- 100 Years of AAI in Hawaii: A Look Back at Two Early Immunologists on the Islands

AAI Website

The history section of the AAI website continues to evolve as a living archive. Current and future resources include:

- Profiles of AAI Nobel and Lasker recipients
- AAI history articles published in the *AAI Newsletter*
- An eBook of commentaries on “Pillars” articles from *The Journal of Immunology*
- Illustrated AAI Centennial Timeline
- Oral History Project—exclusive interviews offering a rare glimpse into the lives and times of influential immunologists
- AAI StoryBooth—attendees' favorite immunology career recollections, recorded at IMMUNOLOGY 2013™

Visit www.aai.org/About/History to explore the history of AAI