



AAI

THE AMERICAN
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NEWSLETTER

OCTOBER 2023



Meet the 2023–2024 AAI Leadership

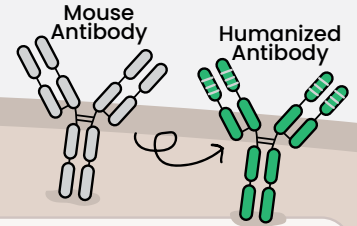


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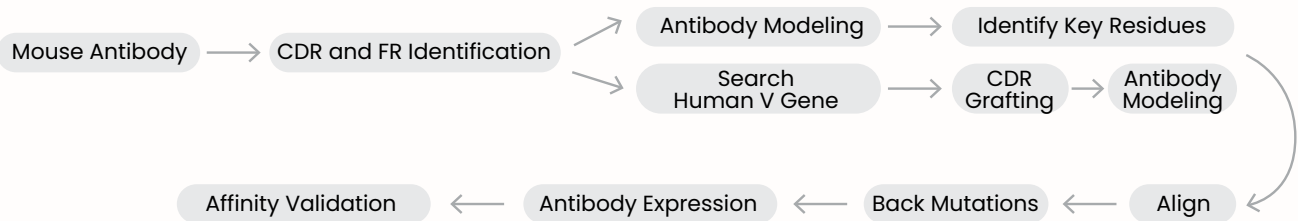
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To see a list of AAI staff, visit
www.aai.org/staff

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(story ideas and comments about the *AAI Newsletter*)

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AAI Council Welcomes Maria-Luisa Alegre



On July 1 of this year, the AAI Council welcomed **Maria-Luisa Alegre, M.D., Ph.D. (AAI '97, DFAAI '23)**, as its newest member following her successful candidacy in the 2023 AAI Election. Dr. Alegre is serving a four-year Council term, after which she will be eligible to serve successive one-year terms as AAI Vice President, President, and Past President.

Dr. Alegre is a professor in the Department of Medicine, Section of Rheumatology, at the University of Chicago, where she is a member of the Committees on Cancer Biology, and Molecular Metabolism and Nutrition. She also holds a secondary appointment as a professor in the Department of Surgery, Section of Transplantation.

Alegre's laboratory pursues research on T cell responses in settings of transplantation, autoimmunity, and cancer, with an emphasis on mouse models and emerging extensions onto clinical translation. A main focus of the laboratory is on T cell tolerance in transplantation and how infections and inflammatory events can affect induction or maintenance of tolerance. Alegre and her lab colleagues have found that transplantation tolerance can exist at different levels of robustness based on the number of mechanisms of T cell tolerance that are engaged and that infections or inflammation can erode such tolerance. The impact of bacterial infections on transplant outcomes has led the group to discover that the microbiota also influences immune responses to transplanted organs and can be manipulated to prolong graft survival. The lab's clinical studies have focused on immunity of transplant recipients and of patients infected with the bacteria that influence transplant outcomes.

"[Immunologists] depend on a vibrant professional society that can foster the excellence of all its members," wrote Alegre in her 2023 candidate statement. "AAI is my scientific home. I joined as a postdoctoral fellow in 1997 and have been a member ever since, my longest standing commitment. It is always a thrill to go to the annual meeting and seek out old bench mates, friends, colleagues, and my own trainees. AAI has played a critical role in my career throughout the years in keeping me abreast of immunological advances via the annual meeting and *The Journal of Immunology (The JI)*, as a platform for presentations from my lab, as a focal point for networking, and as a place to give back to our community of immunologists."

"I deeply value AAI's advocacy and educational roles, its pioneering positions during the SARS-CoV-2 pandemic, and its hugely helpful effort distributing guidelines and examples for the newly required NIH Data Management and Sharing Plan... [As a Council member,] I will be an indefatigable advocate for diversity in membership and leadership, for expanding the reach of educational activities, and for increasing the nation's investment in current and future research, a foundational step on which much of what we do is predicated and critical to continued improvement of human health. I look forward to serving alongside the smart, thoughtful, and dedicated members of Council and staff and to adding my unique individual perspective."

Prior to her election to Council, Alegre's AAI service included participation as a member of the Program Committee and the Nominating Committee (member and chair), section editor and ad hoc reviewer for *The JI*, and member of the Committee on the Status of Women Career Advisory Board. She has also served at AAI annual meetings as an abstract programming chair, block symposium moderator, and table leader for the Minority Affairs Committee Careers Roundtable session.

Alegre was elected to the 2023 class of Distinguished Fellows of AAI. Among the highest honors bestowed by AAI, election recognizes active, long-term members (25 or more years) for distinguished careers and outstanding scientific contributions as well as their service to AAI and the immunology community.

Alegre's previous leadership experience includes service as an American Society of Transplantation (AST) Board member, *Journal of Clinical Investigation* editorial board member, co-director of an immunoengineering T32 for postdoctoral fellows and a program project grant in basic immunology, member and chair of the Autumn Immunology Conference (AIC) Council, and chair of the AST Community of Basic Scientists.

Her additional career appointments and honors include: elected member, American Society for Clinical Investigation; elected member, Henry Kunkel Society; elected fellow, American Association for the Advancement of Science; elected member, Association of American Physicians; elected fellow, AST; elected International Lecturer, Chaire Francqui-Collen Lecture Series, Belgium; Paul S. Russell Visiting Professor, Harvard Medical School; member, multiple NIH study sections, special emphasis panels, and NIH chartered review committees; AST Basic Science Established Investigator Award; Co-chair, Executive Planning Committee,

AST/European Society of Transplantation Basic Science in Transplantation Meeting; and leadership track (including as chair), Autumn Immunology Conference.

In addition to her service on the editorial board of *The JI*, Alegre's additional editorial board appointments include current service as an associate editor, *Journal of Clinical Investigation (JCI)*, and member, Board of Consulting Editors for *JCI Insight*; and past service on behalf of the *American Journal of Transplantation* (multiple appointments), *Cellular Immunology*, and *Current Opinion in Organ Transplantation*.

Born in Madrid, Spain, Alegre was raised from age three in Brussels, Belgium. She received her M.D. from the Université Libre de Bruxelles in Belgium in 1985, a Ph.D. in immunology from the University of Chicago in 1993 under the mentorship

of Jeffrey Bluestone (AAI '82; DFAAI '19), and a Ph.D. in medical sciences (Agrégation) from the Université Libre de Bruxelles in 1994 under the mentorship of Michel Goldman. Alegre completed her clinical training in internal medicine and intensive care at the Hôpital Erasme in Brussels. Turning her focus thereafter completely to research, Alegre served as a postdoctoral scholar at the Knapp Center for Lupus and Immunology Research in the laboratory of then-center director Craig Thompson (AAI '87).

Alegre joined the University of Chicago in 1999 as an assistant professor and has since led her laboratory there in the Section of Rheumatology. She was appointed as an associate professor and College Faculty member in 2006, and as a full professor in 2012.



Alegre (pictured bottom right) during a winter holiday outing in Chicago with lab members (pictured clockwise from top left) Ying Wang, Stevie Xie, Lexi Cassano, Martin Sepulveda, Monty Kwan, Luqiu Chen, Jen Allocco, Ricardo Mora Cartin, Marisa Alegre, Peter Wang and Rena Li.

AAI Leadership and Volunteers

AAI is pleased to recognize those individuals who are serving the organization as leaders and volunteers in 2023–2024.

2023–2024 AAI Council

AAI is led by a volunteer Council composed of eight scientists elected by voting AAI members. Forward-looking in their determination to answer the significant questions facing scientists, Council members are charged to speak on behalf of the AAI membership and act in the best interests of AAI. These leaders of AAI are recognized experts in their specific fields and experienced administrators.

The Council consists of four officers, a president, vice president, secretary-treasurer, and past president, and four additional councilors. In addition, the Council has four *ex officio* non-voting members, the chairs of the Publications and Program Committees, the editor-in-chief of *The Journal of Immunology*, and the Chief Executive Officer of the association.

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The 12 standing committees of The AAI, along with ad hoc committees, help fulfill the AAI mission of advancing research in immunology and related disciplines, fostering the interchange of ideas and information among investigators, and promoting public understanding of immunology and its importance to human health.

AAI committees are served by appointed members and, in the case of five—Awards, Finance, Nominating*, Program, and Publications—by a combination of elected and appointed members. Duties of each committee are those specifically authorized under the bylaws, established by other rules of AAI, and assigned by action of the AAI Council. In advance of the Council's spring and fall meetings, each committee chair is obligated to report on the committee's ongoing, planned, and proposed future activities.

* *The Nominating Committee is composed entirely of elected members.*

Collectively, AAI committee members work together to:

- promote immunology research and advance the efforts of those who carry it out
- contribute to the professional development of AAI member scientists and trainees
- safeguard and responsibly allocate the resources of AAI
- advocate for the immunological community on public policy issues that affect the conduct and funding of research, and
- educate the public and lawmakers about the importance of supporting immunological discovery and its groundbreaking contributions to confronting and countering disease.

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pages/ih_editorial_board](https://journals.aai.org/immunohorizons/pages/ih_editorial_board).

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Thank You

AAI gratefully acknowledges the service of the following Council members, committee members, and other volunteers whose service terms ended this year.

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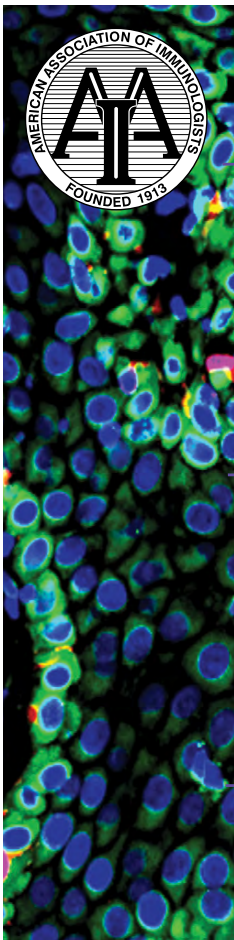
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The Westin Copley Place
Boston, Massachusetts

Visit www.aai.org/ImmunologyCourses
for more information.

AAI Welcomes New Staff and Announces Promotions

AAI Welcomes Chief Finance and Operations Officer Susan W. Medick



Susan W. Medick, CPA, CAE, joined the AAI Staff on July 1st as its new chief finance and operations officer. With her extensive experience in strategic finance and operations management, Medick is well qualified to drive and strengthen AAI's mission, brand, and revenue impact.

"We are thrilled to welcome Susan to AAI," said AAI Chief Executive Officer Loretta L. Doan, Ph.D. "Her proven track record of financial leadership and operational expertise make her an invaluable addition to our executive team. We look forward to her strategic guidance and contributions as we seek to transform AAI's operations, provide better support to members, advance the field of immunology, and drive the association's mission forward."

Medick will play a crucial role in leading the transformation of the association's operations to align with its current and future needs, providing leadership in the areas of finance, human resources, risk management, IT, and meetings and ensuring effective integration across the entire organization. She brings a wealth of knowledge to her new role, having excelled in various senior executive positions. She is the outgoing chief financial and operations officer for the American Association for Clinical Chemistry, responsible for a \$23 million annual budget, where she led strategy and operations for accounting, facilities management, and human resources. During her tenure, she successfully negotiated and managed a multi-million-dollar sale of a major asset, implemented new ERP and CRM systems, and improved financial reporting for increased transparency.

Other previous roles include serving as chief financial officer at the Telecommunications Industry Association, where she demonstrated her expertise in rebuilding and strategic planning for finance, HR, IT, and legal departments; as interim chief financial officer and consultant at the International Association of Amusement Parks & Attractions; and as the chief financial and operations officer for the Auto Care Association.

Throughout her career, Medick has demonstrated her commitment to excellence and fostering relationships with internal and external stakeholders. Her competencies include GAAP, strategic planning, budgeting, technology integration, contracts and negotiation, and board and industry relations.

AAI Promotes Lauren G. Gross to Chief Policy and Program Officer



Lauren G. Gross, J.D., served AAI as director of public policy and government affairs for nearly 23 years. She assumed her new role as chief policy and program officer on July 1st. With her deep knowledge of AAI and extensive experience in science policy and federal advocacy, Gross is exceptionally qualified to lead

and strengthen AAI's excellent programs, including its educational offerings, scientific journals, policy efforts, and legislative activities.

In her new position, Gross will apply her extensive knowledge and nuanced understanding of AAI, its members, and the needs of the immunology community broadly across her areas of responsibility, helping to integrate AAI's programmatic functions and enhance the association's educational and career offerings. She also will serve as an integral member of the newly established staff senior leadership team, working with her peers to advise Dr. Doan and to guide and implement strategic priorities to be established by the AAI Council.

"I am beyond excited that Lauren has agreed to step into this role," Doan said. "Her long history with the organization and deep understanding of members and their needs, coupled with her analytical yet empathetic approach to problem-solving, uniquely qualify her to help guide AAI through this pivotal moment. We will all benefit greatly from having Lauren's insights as AAI moves with intention into its future. It will be essential to have the right staff leadership team in place so that we can bring to life the Council's vision for the association; Lauren is an integral member of that team."

In her previous role with AAI, Gross led activities on Capitol Hill and worked with officials from four presidential administrations. She has worked closely with numerous AAI presidents and the AAI Council, and in 2022 was appointed by then-AAI President Gary Koretzky, M.D., Ph.D., to head the interim leadership team that managed the association as it successfully searched for a new CEO.

Prior to joining AAI, Gross was the director of health and economic policy for the American Nurses Association, where she led initiatives related to health care reform, access to care, and Medicare reform. She also served for nine years on Capitol Hill as counsel to the Senate Labor and Human Resources Committee (now the "Senate Health, Education, Labor and Pensions Committee") and legislative assistant to

the late Senator Claiborne Pell (D-RI) for biomedical research, health care reform, human services, civil rights, poverty, judicial issues, women's issues, family and child care issues, and multiple federal programs, including Social Security, Medicare, and Medicaid. Gross is a former litigation attorney with the Boston law firm Nutter, McClennen & Fish.

Other AAI Staffing Changes

When CEO Loretta Doan, Ph.D., began her tenure earlier this year, she promised to assess the staffing needs of the organization. Based on her initial evaluation, Dr. Doan announced several staff promotions and/or job title updates. To see the entire staff list, visit www.aai.org/staff.



gives immunologists a forum to publish their incremental work—insightful and potentially impactful stepping stones that add to the greater knowledge and benefit other researchers!

www.immunohorizons.org

AAI Hosts Its Largest Ever Capitol Hill Day at IMMUNOLOGY2023™

AAI held its largest ever Capitol Hill Day on Monday, May 15, on the final day of IMMUNOLOGY2023™, in Washington, DC. Participants visited the offices of their members of Congress to advocate for increased funding for the National Institutes of Health (NIH) and substantial funding for the Advanced Research Projects Agency for Health (ARPA-H), and to emphasize the importance of studying and understanding the immune system.

AAI participation in Capitol Hill Day exceeded expectations with 120 members from 27 different states. The participants met with representatives from 96 congressional offices (62 Democratic, 33 Republican, and 1 Independent), including five meetings with members of Congress.

After visiting Capitol Hill, participants were asked to provide feedback about their experiences through a post-meeting survey. The feedback was mostly positive, including many congressional offices that were receptive to the AAI funding requests and several offices that expressed interest in visiting the labs/institutions of AAI members.

Before the event, AAI hosted two virtual training sessions: one for group leaders (primarily experienced advocates) and another for general participants. An in-person training session was held on the final day of IMMUNOLOGY2023™ featuring presentations by Director of Public Policy and Government Affairs Lauren Gross and Senior Manager of Science Policy and Legislative Affairs Jake Schumacher. AAI is grateful to the many AAI members who volunteered for and participated in this important event.

CPA Sponsors Policy Session on Perceived Postdoc Shortage in Academia

The CPA sponsored a policy session at IMMUNOLOGY2023™ entitled “My Lab is Recruiting Postdocs: Policy Approaches to Address the Needs of Today’s Biomedical Research Workforce.” The session was co-chaired by CPA Chair Peter Jensen, M.D., and CPA member Tullia Bruno, Ph.D., and featured remarks by NIH Director of the Division of Biomedical Research Workforce Ericka Boone, Ph.D., and Greg Delgoffe, Ph.D. (AAI ’10), an associate professor at the University of Pittsburgh.

Following introductory remarks by Dr. Jensen, Dr. Boone opened the session with a broad overview of the current landscape for NIH-supported trainees and focused on some of the major challenges they are facing, including low pay, longer training periods, and uncivil environments. She also described some of the ways in which NIH has already tried to strengthen



The Virginia Hill Day group pictured outside the U.S. Capitol (pictured from left): AAI members Sydney Kee and Juselyn Tupik; Schumacher; and AAI members Tamalika Paul, Sepideh Dolatshahi, Manali Powar, and Riley DeHority.



Pictured from left are: AAI member Mahita Jarjapu, AAI Councilor Susan Kaech, AAI CPA member Daniela Weiskopf, and AAI Education Committee member Kiyomi Komori outside the office of Representative Sara Jacobs (D-CA, 51st).



Pictured from left are AAI members Gerald Denis, Louis-Marie Charbonnier, and Virginia Camacho; CPA member Cherié Butts; Christian Furman from the Office of Senator Elizabeth Warren (D-MA); and AAI member Danni Zhu.



Pictured from left are CPA Chair Jensen, Boone, Delgoffe, and Bruno at the CPA policy session during IMMUNOLOGY2023™.

the ecosystem, including early-stage investigator funding targets and extensions, but stressed that more must be done. Boone discussed the ongoing work of the Advisory Committee to the NIH Director (ACD) Working Group on Re-Envisioning NIH-Supported Postdoctoral Training, which is expected to release final recommendations in December 2023.

Dr. Delgoffe gave a wide-ranging presentation from the perspective of a principal investigator who has experienced firsthand the struggle of hiring postdocs. After attending IMMUNOLOGY2023™, he wrote an op-ed that opened with an observation that nearly every presentation he attended ended with “I’m recruiting postdocs to the lab.” Delgoffe also discussed many of the challenges and proposed some possible solutions. He stressed the need to teach trainees how to manage an academic lab, noting that many Ph.D. students, from his perspective, don’t know how study sections work, how lab salaries are paid, or what an R01 really is.

The session closed with a brief presentation by Dr. Bruno. She shared, among other things, some of her personal experiences, describing the benefits of transitioning from a postdoc to a research assistant professor position. Following her remarks, Bruno moderated a lengthy “open mic” session.

AAI submitted comments to the ACD Working Group on Re-envisioning Postdoctoral Training in April and will continue to communicate with NIH on this important issue moving forward.

House and Senate Committees Approve FY 2024 NIH Spending Bills—AAI Issues Statement Expressing Concern about Large NIH Cut in House Spending Bill

In late July, the Senate Appropriations Committee approved its Labor, Health and Human Services, Education, and Related Agencies (Labor-HHS) spending bill for fiscal year (FY) 2024, which includes a \$943 million increase for NIH. This follows action by the House Labor-HHS Appropriations Subcommittee which approved its FY 2024 Labor-HHS bill in mid-July. The House bill cuts the NIH budget by \$3.8 billion, prompting new CPA Chair Gretchen Diehl, Ph.D., to issue a

statement articulating AAI’s deep disappointment with the funding cuts to biomedical research in the bill. To view the full statement, visit <https://bit.ly/3XZ1RHV>.

The Senate Labor-HHS bill was developed in a bipartisan manner by Senate Labor-HHS Appropriations Subcommittee Chair Tammy Baldwin (D-WI) and Ranking Member Shelley Moore Capito (R-WV) and was approved by the committee 26–2. It increases the NIH budget by \$943 million (2%) and keeps funding for ARPA-H flat at \$1.5 billion.

Conversely, the House Labor-HHS Appropriations Subcommittee developed and approved a bill only supported by Republicans. Their bill cuts funding for NIH by \$3.8 billion (8%) for FY 2024, including a \$1.5 billion cut (23%) to the National Institute of Allergy and Infectious Diseases. Most other NIH Institutes and Centers (ICs) received much smaller funding cuts, including a funding reduction of about \$200 million (2.9%) for the National Cancer Institute. Other NIH ICs, including the National Institute of Arthritis and Musculoskeletal and Skin Diseases; the National Heart, Lung, and Blood Institute; and the National Institute of General Medical Sciences are cut by less than 1%. In addition, the House bill cuts the ARPA-H budget by \$1 billion (66.7%). A summary authored by House Appropriations Committee Republicans justifies this cut, in part, by noting that ARPA-H “has \$1.5 billion available in unspent funding.”

The AAI statement speaks out against the cuts in the House bill and “urges bipartisan action in Congress to prioritize investment in NIH’s lifesaving scientific research.” In the statement, Dr. Diehl highlighted some of the many reasons why investing in NIH should remain a top priority: “[s]ustained, predictable, and robust NIH funding increases are vital to capitalizing on the vast scientific opportunities on the horizon, making much needed investments in strengthening the research environment for trainees and early career researchers, and ensuring that the U.S. remains the world’s preeminent leader in science.”

The Labor-HHS bill and the remainder of the FY 2024 appropriations bills need to be completed by the end of the

fiscal year: September 30, 2023. If they are not enacted by that date, passage of a continuing resolution will be necessary to prevent a government shutdown.

Dr. Mandy Cohen Begins Tenure as Director of CDC



Dr. Mandy Cohen
Source: CDC

President Biden recently appointed Mandy Cohen, M.D., M.P.H., to be the next director of the Centers for Disease Control and Prevention (CDC).

Dr. Cohen was officially sworn in on July 10, taking over for former director Rochelle Walensky, M.D., M.P.H., who stepped down at the end of June.

Cohen, an internal medicine physician, previously served as the North Carolina Health and Human

Services Secretary for five years and led the state's COVID-19 response. She has also served as chief of staff and chief operating officer for the Centers for Medicare and Medicaid Services and as the executive vice president and later as chief executive officer of Aledade Care Solutions, a company that helps medical providers deliver value-based patient care.

Cohen is taking over the agency at a challenging time: Walensky left behind a plan for reorganization and reform that Cohen must consider and implement as she deems necessary; public trust in CDC has waned; and a major funding cut for the agency has been proposed in the House.

AAI Responds to NIH Request for Comments on Its Updated Policy Guidance for Subaward/Consortium Agreements

In May, NIH released an update to Section 15.2 of the NIH Grants Policy Statement, which provides revised guidance and requirements for subaward/consortium agreements on NIH-funded grants. The planned update states: “[f]or foreign subrecipients, a provision requiring the foreign subrecipient to provide copies of all lab notebooks, all data, and all documentation that supports the research outcomes as described in the progress report. These supporting materials must be provided to [the] prime recipient with each scientific update (no less than once every six months, or more frequently based on risks) in line with the timelines outlined in the agreement.”

AAI recently submitted comments to NIH on this impending policy change (visit <https://bit.ly/45EbApG> to view the full statement). In the comments, AAI acknowledged that more stringent reporting requirements and oversight are necessary for high-risk research but expresses concern that this new proposal could be overly burdensome to both the prime and subrecipients in terms of administrative effort, time, and cost. AAI also expressed concern that the updated policy may damage existing, and discourage future, international scientific collaborations. Therefore, AAI recommended

that NIH delay the implementation of the planned update in order to seek additional stakeholder input and explore alternative policy changes that could better preserve crucial scientific collaborations and impose less burden on NIH grant recipients.

On September 15, NIH released its final policy guidance for subaward/consortium written agreements. The policy is revised to address some of the critiques raised by stakeholders. The modified policy states that “subaward agreements must stipulate that foreign subrecipients will provide access to copies of all lab notebooks, all data, and all documentation that supports the research outcomes as described in the progress report, to the primary recipient with a frequency of no less than once per year, in alignment with the timing requirements for Research Performance Progress Report submission.” The new policy will take effect on January 2, 2024, and compliance will be required by March 2, 2024.

AAI Comments on NIH Recommendations for Improving NRSA Fellowship Review

AAI recently submitted comments in response to the NIH “Request for Information on Recommendations for Improving NRSA Fellowship Review.” In the comments, AAI expresses support for the effort by the Center for Scientific Review to revise the fellowship application and review process to better facilitate the awarding of funds to the most promising trainees. To read the full AAI comments, visit <https://bit.ly/44kJzmb>.

AAI supports the restructuring of the scored criteria from five to three. It is believed by the CPA that the revised criteria will help place additional focus on applicants in the context of the resources available and help minimize reputational bias, which many believe has resulted in the rejection of some deserving applicants. The proposed new criteria are:

1. Scientific Potential, Fellowship Goals, and Preparedness of the Applicant
2. Science and Scientific Resources
3. Training Plan and Training Resources

AAI's comments also applaud changes to the application instructions, including shortening the application to 2.5 pages, dropping the requirement for submission of grades, and allowing an optional statement of special circumstance. AAI believes that “[d]isruptions or other life circumstances should not necessarily negatively affect an applicant's chances of success; in fact, the ability to overcome obstacles demonstrates resilience which is critical in science.”

Finally, AAI urges NIH, if it implements these changes, to measure their success by establishing specific metrics and conducting regular evaluations. More information about the proposed revisions can be found at <https://grants.nih.gov/policy/peer/improving-nrsa-fellowship>.

Arreguin Named Howard Hughes Medical Institute Gilliam Fellow



Montserrat Arreguin (AAI '22) was named a Howard Hughes Medical Institute Gilliam Fellow. The Gilliam Fellows program pairs dissertation advisers and graduate students based on HHMI's values: a healthy academic environment and the student's potential for scientific leadership.

Arreguin is a doctoral student at the University of Pennsylvania Perelman School of Medicine. Arreguin graduated from the University of Texas at El Paso with a B.S. in cellular and molecular biochemistry in 2019. She completed an undergraduate thesis studying how nicotine withdrawal produces sex-dependent changes in nicotinic acetylcholine receptors in the interpeduncular nucleus. Learn more about her research at www.gsc.upenn.edu/montserrat-arreguin.

Read the full announcement at <https://www.hhmi.org/news/hhmi-awards-50-new-gilliam-fellowships-advance-equity-and-inclusion-science>.

Lieberman Wins 2023 ICIS-Pfizer Award for Excellence in Cytokine & Interferon Research



Judy Lieberman, M.D., Ph.D. (AAI '19) received the 2023 ICIS-Pfizer Award for Excellence in Cytokine & Interferon Research. This award recognizes a leading biomedical research scientist who has made outstanding contributions to cytokine and interferon research in a basic or applied field.

Dr. Lieberman is a professor of pediatrics at Harvard Medical School and endowed chair in Cellular and Molecular Medicine at the Boston Children's Hospital. Her lab studies cytotoxic T lymphocytes, which are key cells in the immune defense against viral infection and cancer, and how RNA interference regulates normal cell differentiation and how it goes awry in cancer. Lieberman is a leader in understanding how cytotoxic NK and T cells destroy their targets. To learn more about her research, visit www.childrenshospital.org/research/researchers/judy-lieberman.

Read the full announcement at www.cytokinesociety.org/icis-pfizer-award.

Mathis Wins the Menarini Prize for Outstanding Woman Immunologist



Diane Mathis, Ph.D. (AAI '99) was named the inaugural winner of the Menarini Prize for Outstanding Woman Immunologist. This is the first IUIS award that recognizes the exceptional research accomplishments of women immunologists. Dr. Mathis is a professor of microbiology and immunobiology and the Morton Grove-Rasmussen chair of immunohematology at Harvard Medical School. Her research centers on T cell differentiation and the mechanisms of tolerance and autoimmunity. Her lab translates mechanistic findings from mouse models to understand their implications for healthy and diseased humans. To learn more about her research, visit <https://hsci.harvard.edu/people/diane-mathis-phd>.

Read the full announcement at www.iuis.org/news/menarini-prize.

Recently Deceased Members

AAI extends condolences to the families, friends, and colleagues of the following members whose deaths were recorded since July 2022.

K. Frank Austen, M.D., AAI '62
Boston, MA | d. 6/23/23

Albert S. Bendelac, M.D., Ph.D., AAI '95
Chicago, IL | d. 8/23/23

John Bienenstock, M.D., FRSC, AAI '69
Hamilton, Ontario, Canada | d. 7/25/22

Thomas J. Braciale Jr., M.D., Ph.D., AAI '80
Charlottesville, VA | d. 5/19/23

James R. Carlyle, Ph.D., AAI '14
Toronto, Ontario, Canada | d. 12/5/22

Martin A. Cheever, M.D., AAI '86
Seattle, WA | d. 9/23/21

Donald L. Evans, Ph.D., AAI '88
Athens, GA | d. 7/24/22

Michael W. Fanger, Ph.D., AAI '74-'11
Lebanon, NH | d. 8/1/23

James L. Gowans, M.D., Ph.D., AAI '74
Oxford, United Kingdom | d. 4/1/20

Jan Klein, Ph.D. AAI '74
State College, PA | d. 5/7/23

Michael B. Oldstone, M.D., AAI '70
La Jolla, CA | d. 7/13/23

Roberta L. Richards, Ph.D., AAI '80
Silver Spring, MD | d. 11/15/22

Ulrich Siebenlist, Ph.D., AAI '09
Bethesda, MD | d. 8/4/20

James W. Thomas, M.D., AAI '83
Nashville, TN | d. 11/16/22

Emil R. Unanue, M.D., AAI '66
St. Louis, MO | d. 12/16/22

Ji Ming Wang, M.D., Ph.D., AAI '03
Frederick, MD | d. 12/24/22

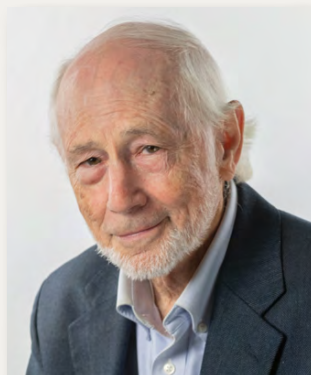


Photo credit: Lisa Lacasse

Michael W. Fanger, Ph.D., AAI '74-'11

July 3, 1940 – August 1, 2023 | Lebanon, NH

AAI extends condolences to the family, friends, and colleagues of longtime AAI member Michael W. Fanger, Ph.D., who died on August 1. Dr. Fanger, the former microbiology and immunology department chair and professor emeritus at the Geisel School of Medicine at Dartmouth, was renowned for groundbreaking work in the field of Fc receptor immunology and for the co-founding of biotechnology companies that contributed to the application of scientific discoveries into successful cancer immunotherapeutics. During his longtime AAI membership, Dr. Fanger served as a member of the AAI Committee on Public Affairs and AAI Publications Committee. The following tribute was published by the Geisel School of Medicine and is reprinted with the kind permission of that institution.

Michael W. Fanger, Renowned Immunologist Who Paved the Way to Cancer Immunotherapy, Dies

Michael W. Fanger, Ph.D., professor emeritus, former chair of the Department of Microbiology and Immunology at Geisel School of Medicine, and entrepreneur died Tuesday, August 1. He was 83 years old.

Remembered by friends and colleagues for his entrepreneurial spirit, keen intelligence, and sense of humor, the immunology researcher and visionary began his career at Dartmouth in 1981 when he joined the medical school's immunology program, building that program into a world-renowned Department of Microbiology and Immunology that he chaired for a decade.

"Mike's leadership helped to build the Department of Microbiology and Immunology at Geisel into a top department nationally, and he was a pioneer at Dartmouth in showing how scientific impact could be accelerated through commercialization," says Duane A. Compton, Ph.D., Geisel dean.

David Leib, Ph.D., chair of microbiology and immunology, recalls Fanger as a generous and thoughtful man with a keen sense of humor.

"I spoke with Mike at length during my first interview at Dartmouth and his insight and intellect were hugely influential on my decision to join the department," Leib says.

"Through the years, I've regularly sought his counsel—he was always generous with his time, gave outstanding advice, and had the uncanny ability to leaven serious discussions with his unique sense of humor. His academic legacy at Dartmouth, and in immunology and cancer therapy is unparalleled, but more than anything I'll miss his vibrant, sage, and engaging presence in our hallways."

Fanger made advances in immunotherapy long before it was considered a treatment option. He authored more than 160 publications and more than 90 patents and patent applications, spanning bispecific antibodies to cellular therapies.

In 1987, he and Paul Guyre, Ph.D., a fellow immunologist, and entrepreneur, founded Medarex—a biopharmaceutical company that developed monoclonal antibodies to the T cell checkpoint proteins CTLA-4 and PD-1. By blocking the checkpoint proteins, these antibodies enable T cells to attack and destroy cancer cells. Checkpoint proteins thus control and regulate immunity and the immune response.

Fanger collaborated with immunologist James Allison, Ph.D., who won the Nobel Prize in 2018 for identifying the immune checkpoint molecule CTLA-4, and with Tasuku Honjo, MD, Ph.D., who discovered a related immune target, PD-1, and shared the prize with Allison. His vision and collaboration with Allison and Honjo led to the development of the first FDA-approved immune checkpoint inhibitor drugs (ipilimumab and nivolumab) for cancer patients. These two drugs now have nearly 40 FDA approvals between them.

Unlike chemotherapy, which uses powerful drugs that can have painful, lasting side effects, immunotherapies engage the body's immune system to battle cancer cells and are now the most promising method of treating cancer.

Now owned by Bristol-Meyers Squibb, these drugs give hope to previously incurable cancer patients and save thousands of lives. The 3-year survival rate for patients with advanced melanoma is now 58 percent; prior to 2014 it was as low as 20 percent.

Guyre, whose sense of humor matched Fanger's, says, "Since Mike and I shared the relevant intellectual property, he twisted my arm to be a co-founder of Medarex. Now, thanks



Photo credit: John Fox

to his smart, thoughtful, and caring leadership, I too get credit for the Medarex antibodies that have added over 800,000 years to the lives of cancer patients.”

While Fanger’s leadership of both Medarex and the Department of Microbiology and Immunology has yielded uniquely successful and impactful outcomes, his roles as teacher, counselor,

advisor, and mentor were equally influential.

Continuing in his footsteps, several Dartmouth investigators are leading the way in important immunology discoveries by either founding a company to further develop their discovery or working with a corporate partner to do so. One example is Randy Noelle, Ph.D., professor emeritus of microbiology and immunology and co-founder of ImmuNext, which develops immunotherapy compounds for treating cancer and autoimmune diseases, is embedded within Dartmouth Cancer Center.

The Cancer Center’s Immunology and Cancer Immunotherapy Program spans seven departments at Geisel and Thayer School of Engineering, enabling investigators to move quickly in taking research from the lab to the clinic—a legacy initiated by Medarex.

Mary Jo Turk, Ph.D., co-director of the Immunology and Cancer Immunotherapy Program, says most people working in immuno-oncology are familiar with Fanger and Medarex.

“Mike was a dear friend and colleague—truly one of the kindest and most supportive individuals I have known,” Turk says. “He cared primarily about the success and happiness of others and was an incredibly generous mentor of junior faculty.

“Of note, he was uniquely supportive of his female faculty colleagues—consistently elevating their careers and championing their accomplishments and successes. Mike’s support has been critical to my own success as a scientist and leader.

“In addition to building our immunology community, Mike demonstrated remarkable commitment to the teaching of undergraduate immunology at Dartmouth. He trained generations of biology students and cared deeply about them, showing the utmost care in supporting them through many needs and challenges. Beloved by his students, he was also a role model for his colleagues with whom he taught.”

William R. Green, Ph.D., professor emeritus of microbiology and immunology, fondly recalls his former colleague and mentor. “I’ve known Mike since 1973 when I was his graduate student at Case Western Reserve University. He was the consummate mentor, and because of that, a great leader who folks wanted to follow. Regardless of the situation and challenges, he found creative, opportunistic ways to make the best of the circumstances, often turning them into a win-win for everybody. He was tenacious and competitive—I’ll never forget his feisty play at our pickup basketball games either at the gym or in his home driveway.”

Noting her mentor’s sense of humor during the department’s holiday parties, where graduate students from various labs participated in lip sync competitions, Cheryl Guyre, DMS ’00 one of Fanger’s graduate students, says, “The year the Fanger-Shen labs collaborated in a rousing rendition of Jailhouse Rock with a choreographed dance routine, Mike came ‘on stage’ dressed as Elvis. The crowd went wild!

“In some years, we knew Mike would be participating, and in others he’d surprise us when he joined our routine while wearing an outrageous outfit,” Guyre recalls. “While most PIs stood back and watched their grad students, post docs, and staff make fools of themselves during these skits, Mike was brave enough to let his hair down and be part of the fray.”

In 2008, Fanger cofounded Celdara Medical, headquartered at the Dartmouth Regional Technology Center in Lebanon, NH, with Jake Reder, Ph.D., director of New Ventures at Geisel, to help investigators translate academic science innovations into medicines that improve human health.

“Mike and I founded Celdara to transform the work of leading scientists into products and services that can help humanity,” Reder says. “His impact on the biotech industry is the stuff of legend, but for the many of us whom he inspired, his teaching, mentoring and friendship may be even more impactful.”

Celdara opened The Fanger Center in 2021. It was built in collaboration with the New Hampshire Academy of Science and Crossroads Academy and provides an opportunity for middle- and high-school students from New Hampshire and Vermont to engage in authentic scientific research with teachers and STEM professionals through an apprenticeship model.

“Mike contributed immeasurably as an educator, both formally and informally, investing his time and talent in STEM leaders of the future. These virtues are a big part of why we honored his legacy with the Fanger Center. I hope that every student who passes through those doors learns something about Mike and realizes that they too can be great by doing good.”

Fanger’s friend and Geisel colleague Jane Collins says, “Mike was a dedicated leader, a passionate educator, and friend. Our lives were changed forever, for the better, because of him.”

As noted in Dr. Fanger’s obituary published in the Valley News, West Lebanon, NH (www.legacy.com/us/obituaries/vnews/name/michael-fanger-obituary?id=52624130), Dr. Fanger is survived by his wife Sharon and two children, Suzanne Fanger and her husband Christopher Rossbach (of Austin, TX), and Christopher Fanger and his wife Jeanne Digilio Fanger (of Acton, ME). He is also survived by four grandchildren (Ryan, Alison, Coralie, and Shiloh) as well as his brother Phil Fanger and Phil’s wife Nancy Fanger (of Coldwater, MI), his brother Robert Fanger and Robert’s wife Jeanne Fanger (of Ft. Wayne, IN), his sister-in-law Denise Fanger (of Hometown, IN) and numerous nieces and nephews, all of whom will miss his guidance, wisdom and wonderful sense of humor. He was predeceased by his brother Jerry Fanger. Memorial donations may be made to the Geisel School of Medicine or the New Hampshire Academy of Science.



Photo credit: Jean Lachat

Albert S. Bendelac, M.D., Ph.D., AAI '95

July 25, 1956 – August 23, 2023 | Chicago, IL

AAI extends condolences to the family, friends, and colleagues of AAI member Albert S. Bendelac, M.D., Ph.D., a member of AAI since 1995, who died on August 23. Dr. Bendelac was the A.N. Pritzker Distinguished Service Professor of Pathology at the University of Chicago renowned for his groundbreaking work in the field of NKT cell biology. Dr. Bendelac was an AAI Distinguished Lecturer in 2015 and a major symposium speaker at multiple AAI annual meetings. His service to AAI included participation as a member of the AAI Program Committee and AAI Nominating Committee, instructor for multiple years at the AAI Advanced Course in Immunology, and ad hoc reviewer for The Journal of Immunology. The following tribute, authored by Anne Stein and published by the University of Chicago, is reprinted with the kind permission of the University of Chicago.

Albert Bendelac, pathologist and former chair of the Committee on Immunology, 1956–2023

Bendelac helped establish the Committee on Immunology as a home of leading-edge research and a premiere training program for young scientists

Albert Bendelac, M.D., Ph.D., the A.N. Pritzker Distinguished Service Professor of Pathology at the University of Chicago, died at his home on August 23, 2023, surrounded by family. He had just celebrated his 67th birthday.

Known for his passion for immunology, his mentorship of students and young faculty, and his broad scientific thinking, Bendelac joined the faculty in 2002 as an established investigator. His research had already demonstrated that CD4 and CD8 T cells were required for the development of type-1 diabetes and had described a novel subset of T cells that expressed Natural Killer cell antigens (NKT cells), discovering CD1d as their restricting element.

“There is little doubt that he remained the leader in the field of NKT cell biology,” said Vinay Kumar, MBBS, M.D., the Lowell T Coggshall Distinguished Professor of Pathology and Chair Emeritus.

Bendelac’s seminal discovery came in 1995 when he first described NKT cells in the journal *Science*, and later in 2005, finding that lysosomal glycosphingolipid ceramide is the natural ligand for NKT cells. More largely, he explored the fundamental question of thymic selection of innate lymphocytes, and in 2008 identified the transcription factor PLZF as the master regulator of NKT, MAIT, and ILC development. In his final years of research, he expanded his work to mucosal IgA B cells. He published more than 100 papers, several of which are cited more than 1,000 times.

Colleagues from across the country remembered Bendelac’s rigorous approach and contributions to the field.

Marco Colonna, the Robert Rock Belliveau Professor of Pathology and Immunology at Washington University, said, “I always admired Albert for his genius, unwavering

experimental rigor, and fearless approach to exploring new frontiers in immunology. His upfront and uncompromising nature made him a true and authentic person.”

Jason Cyster, Professor of Microbiology and Immunology and Howard Hughes Investigator at the University of California San Francisco, said, “I was always inspired by the quality of his work. His insights into innate lymphocytes were truly ahead of their time.” And Marc Jenkins, the Regents Professor and Director of the Center for Immunology at the University of Minnesota, said simply, “Albert made his mark on the world.”

In addition to his groundbreaking research on lymphocyte biology, Bendelac made immeasurable contributions toward establishing UChicago’s Committee on Immunology (COI) as a home of leading-edge, multi-disciplinary research and a premiere training program for young scientists.

Colleagues cite his Advanced Immunology course, which was widely regarded by many trainees as the most demanding and rewarding course of their graduate tenure, and which set the standard for other COI instructors. His Immunobiology course for undergraduate students, the first step in the Concentration on Immunology, was very popular and uniformly highly rated.

Daria Esterhazy, Ph.D., Assistant Professor of Pathology, was recruited by Bendelac to UChicago in 2018 as part of his successful efforts to recruit junior faculty in immunology. “As of 2019, he shared an entire floor of a building unit with me and the other assistant professor recruits, Dr. Andrew Koh and Dr. David Zemmour. It was Dr. Bendelac’s initiative to install such an immunology floor and move himself from another space for the sake of fostering a new generation of independent investigators,” she said.

“He was incredibly invested in and supportive of the next generation of immunologists, from undergraduate teaching, to conceiving of the graduate teaching curriculum in immunology, to recruiting multiple junior faculty members and helping them thrive.”

The former chair of the COI, Bendelac received multiple awards throughout his career, including the Quantrell

Teaching Award for Excellence in undergraduate teaching in 2019. At the time of the award, he explained that immunology is an incredibly complex field, and the amount of information students have to process can be daunting. Bendelac said the key to keeping undergraduates engaged as he introduces them to the field is to convey this complexity without overwhelming them with details.

“You don’t want to turn them off. You want to excite them and inspire them,” he said. “My mission is to cover all the key aspects of the field but not go into excruciating detail, like knowing the music but not necessarily all the words.”

It was an award that his wife, Bana Jabri, M.D., Ph.D., the Sarah and Harold Lincoln Thompson Distinguished Service Professor of Medicine and current Chair of the Committee on Immunology, also won in 2017. Colleagues described the two as a formidable team, working in different areas of immunology and together helping establish UChicago as a center of excellence in immunology.

“Albert had a vision of scientific excellence that was deeply infectious—he challenged and inspired others to dig deeper both conceptually and technically,” said Peter Savage, Ph.D., Associate Professor of Pathology. “He had high expectations

of his colleagues and trainees and led by example. I never saw him flinch or hesitate to tackle a problem, or to put in the hard work necessary to do so. Ultimately, this made an indelible impression that was inspiring to many of us.”

Bendelac earned his M.D. from University Paris VI in 1985, and his Ph.D. in immunology from University Paris VII in 1992. From 1994–2002, he was an associate and then assistant (tenured) professor of molecular biology at Princeton University, and before that was a visiting fellow and then visiting scientist at the National Institutes of Health.

Outside the lab, he enjoyed morning runs with his border collies along Lake Michigan, movies (particularly European cinema), literature, good food and wine, and he was an excellent cook.

In addition to his wife, he is survived by their children, Aude, Raphaëlle, and Julien.

A memorial service celebrating Dr. Bendelac’s life and academic accomplishments is scheduled for October 21, 2023, at the Bond Chapel on the University of Chicago campus, to be followed by a small reception in Ida Noyes Hall.



NEW FROM AAI

The Journal of Immunology and ImmunoHorizons

Special Collections

The Journal of Immunology and ImmunoHorizons special collections provide authoritative, up-to-date overviews of critical areas in immunology. These reviews and special features focus on rapidly developing topics, such as COVID-19, mpox, and systems immunology, and provide an indication of future directions.

Visit <https://journals.aai.org/collections> today!





AAI Programs to Benefit Your Lab's Current or Future Research

AAI Careers in Immunology Fellowship

KEY DATES	APPLICATIONS OPEN	APPLICATIONS CLOSE
	JANUARY 15	MARCH 15

These fellowships provide AAI member PIs with one year of salary support for a graduate student or postdoctoral fellow in their labs. Member PIs in good standing with less than \$250,000 (excluding PI's salary) in annual direct costs are eligible to apply.

Selection is based on the potential of the trainee, merit of the project, quality of the training environment, and financial need.

Direct inquiries to fellowships@aai.org.

AAI Travel for Techniques Award Program

AWARDS CYCLE	APPLICATIONS OPEN	APPLICATIONS CLOSE
WINTER	DECEMBER 15	FEBRUARY 15
SPRING	APRIL 15	JUNE 15
FALL	AUGUST 15	OCTOBER 15

The Travel for Techniques Award is given to member PIs, reimbursing up to \$1,500 in expenses for travel to learn a new technique. Member PIs in good standing with less than \$250,000 (excluding PI's salary) in annual direct costs are eligible to apply.

Direct inquiries to awards@aai.org.

If the application deadline falls on a weekend day or a federal holiday, applications will be due on the next regular business day.

The American Association of Immunologists provides robust support for scientists through an array of fellowships, career awards, and travel grants. For complete details, visit www.aai.org/awards.

AAI Announces Summer 2023 Travel for Techniques Awardees

AAI is pleased to announce the most recent **AAI Travel for Techniques Award** recipients, selected from among applicants during the program's Summer 2023 application cycle.

The AAI Travel for Techniques Program assists member principal investigators (regular or associate) in their efforts to expand their skill sets to benefit their research. Selected applicants may choose to use the award to travel themselves, assign the award to a trainee in their lab, or assign the award to another lab member. AAI reimburses award recipients as much as \$1,500 in travel expenses incurred on a trip to another laboratory to learn a technique. AAI extends congratulations to:



Hai Huang, M.D. (AAI '15)
Associate Professor, Feinstein
Institutes for Medical Research

Destination: The laboratory of
Dr. Volker Lauschke, Karolinska
Institute, Sweden

Technique: Hepatic disease models
and 3D spheroid cell culture system

Application: To examine protein, cellular, and genetic
markers that correlate with liver and biliary malignancies



Carsten Krieg, Ph.D. (AAI '17)
Assistant Professor, Medical University
of South Carolina

Destination: The laboratory of Dr.
Jeffrey Spraggins, Vanderbilt University

Technique: Matrix-assisted laser
desorption/ionization imaging mass
spectrometry (MALDI-IMS)

Application: To identify single-cell changes that occur during
progression of non-alcoholic fatty liver disease



Pioli and Pioli

Peter Pioli, Ph.D. (AAI '19)
Assistant Professor, University of Saskatchewan, Canada

Designated Traveler: KimAnh T. Pioli, M.P.H. (AAI '23),
Laboratory Researcher

Destination: The laboratory of Dr. Kristin A. Hogquist
(AAI '95), University of Minnesota

Technique: Ultrasound imaging to guide intra-thymic
injection

Application: To test how localized signaling events
in the thymus dictate the production and function of
antibody-secreting cells in the context of autoimmunity



Luo and Estaleen

Xin M. Luo, Ph.D. (AAI '11)
Associate Professor, Virginia Tech College of
Veterinary Medicine

Designated Traveler: Rana Estaleen (AAI '22),
graduate student

Destination: The laboratory of Dr. Kristi A. Kuhn
(AAI '15), University of Colorado School of Medicine

Technique: Evaluation of rheumatoid arthritis in mice

Application: To examine how the gut microbiota
contribute to lupus-associated arthritis in mice

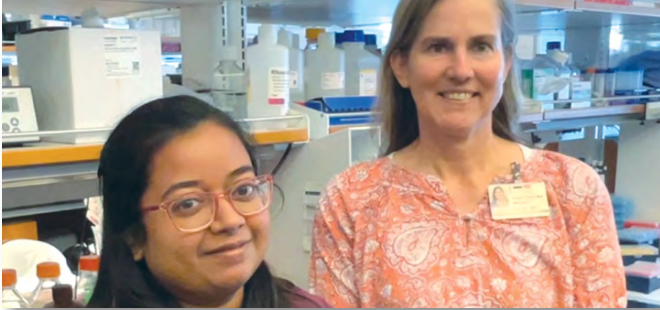
Travel for Techniques Award applications are reviewed in three cycles annually—winter, spring, and fall. Fall cycle applications are being accepted through October 16. Details on applying for the AAI Travel for Techniques Award are available at www.aai.org/TravelforTechniques.

AAI Announces Recipients of 2023 Careers in Immunology Fellowships

AAI congratulates 13 members selected to receive AAI Careers in Immunology Fellowships in 2023. The program, launched in 2014, provides independent research scientists with fellowships supporting one year of salary for a trainee (predoctoral or postdoctoral) in their labs.

Details about this program may be found at www.aai.org/CIFP.

The investigators selected for the 2023 Careers in Immunology Fellowships are:



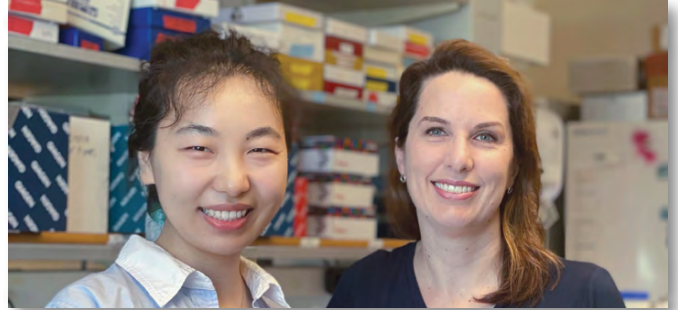
Gupta and Cassel

Suzanne Cassel, M.D. (AAI '21)

Associate Professor, Cedars-Sinai Medical Center

Trainee: Suman Gupta, Ph.D. (AAI '21), Postdoctoral Fellow

Project: Regulation of melanoma progression by NLRC4



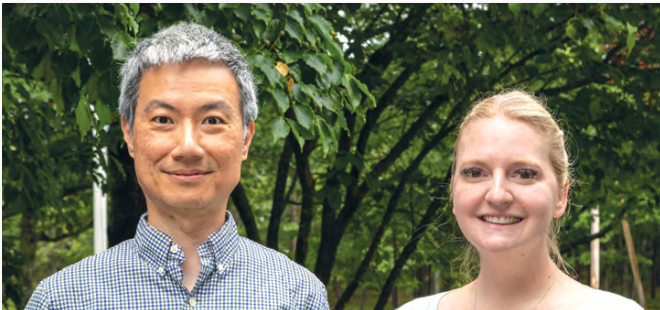
Fu and Divito

Sherrie J. Divito, M.D., Ph.D. (AAI '17)

Assistant Professor, Brigham and Women's Hospital

Trainee: Xiaopeng Fu, Ph.D. (AAI '22), Postdoctoral Fellow

Project: Interrogating the skin immune system in dirty mice



Chang and Mayberry

Chih-Hao Chang, Ph.D. (AAI '13)

Assistant Professor, The Jackson Laboratory

Trainee: Colleen L. Mayberry, Ph.D. (AAI '23), Postdoctoral Fellow

Project: Metabolic modulation of effector T cell function in cancer



Espino and Armina-Rodriguez

Ana M. Espino, Ph.D. (AAI '15)

Professor, University of Puerto Rico School of Medicine

Trainee: Albersy Armina-Rodriguez (AAI '21), Graduate Student

Project: *Fasciola hepatica* fatty acid binding protein (Fh15): its therapeutic capacity, role in the activation of macrophages, and impact in the relative abundance of proteins associated to inflammatory pathways

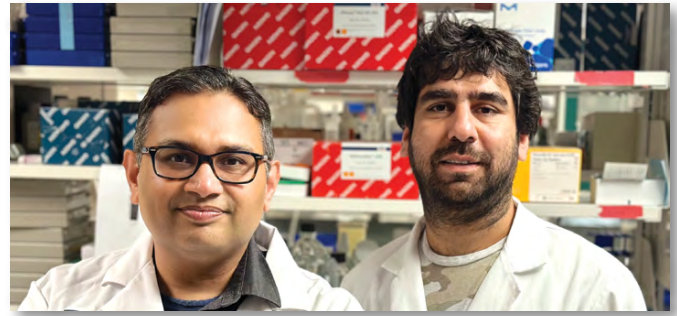


Kailasan Vanaja and Ricci de Azevedo

Sivapriya Kailasan Vanaja, D.V.M., Ph.D. (AAI '16)
Assistant Professor, UConn Health School of Medicine

Trainee: Rafael Ricci de Azevedo, Ph.D. (AAI '23),
Postdoctoral Fellow

Project: Mechanisms of Shiga toxin-mediated cell death



Muthukrishnan and Meghwani

Gowrishankar Muthukrishnan, Ph.D. (AAI '20)
Assistant Professor, University of Rochester Medical Center

Trainee: Himanshu Meghwani, M.B.B.S., Ph.D. (AAI '23),
Postdoctoral Fellow

Project: Examining IL-17/IL-17R axis in IL-27-mediated neutrophilic responses during *Staphylococcus aureus* osteomyelitis



Kovats and Williams

Susan E. Kovats, Ph.D. (AAI '98)
Member, Oklahoma Medical Research Foundation

Trainee: Abigaël Williams (AAI '21), Graduate Student

Project: Sex-divergent ILC2 functions as a result of androgen receptor activity modulating the epigenome

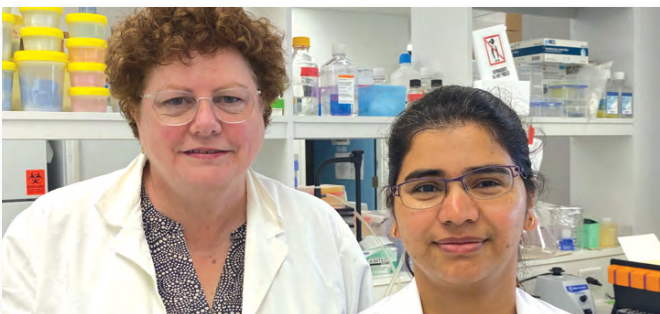


Philpott and Yadav

Dana J. Philpott, Ph.D. (AAI '11)
Professor, University of Toronto, Canada

Trainee: Jitender Yadav, Ph.D. (AAI '23), Postdoctoral Fellow

Project: Elucidating the link between metabolic dysfunction and Crohn's disease



Marshall and Nanjundappa

Jean S. Marshall, Ph.D. (AAI '95)
Professor, Dalhousie University Faculty of Medicine, Canada

Trainee: Roopa Nanjundappa, Ph.D. (AAI '22),
Postdoctoral Fellow

Project: The role of mast cells in regulating immune responses against RSV infection



Rattan and Udumula

Ramandeep Rattan, Ph.D. (AAI '18)
Senior Scientist, Henry Ford Health System and Wayne State University

Trainee: Mary Priyanka Udumula, Ph.D. (AAI '21),
Postdoctoral Fellow

Project: Role of novel small molecule mitochondrial inhibitors in targeting immunosuppressive myeloid cells in ovarian cancer



Larson and Solheim

Joyce Solheim, Ph.D. (AAI '95)

Professor, University of Nebraska Medical Center

Trainee: Alaina C. Larson (AAI '22), Graduate Student

Project: Modulation of antigen presentation by cancer therapy



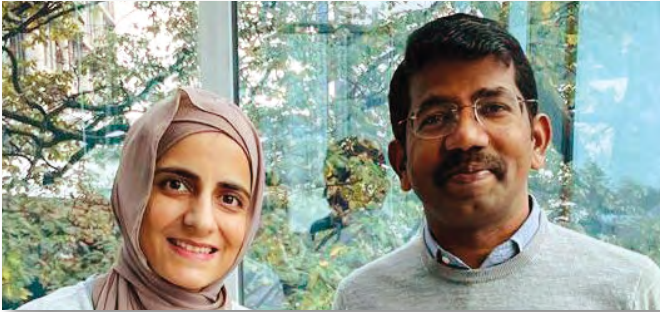
Weinkopff and Fry

Tiffany Weinkopff, Ph.D. (AAI '23)

Assistant Professor, University of Arkansas for Medical Sciences

Trainee: Lucy Fry (AAI '22), Graduate Student

Project: Determining the role of lymphatic remodeling in the maintenance of non-healing leishmaniasis



Hussain and Vasanthakumar

Ajithkumar Vasanthakumar, Ph.D. (AAI '23)

Laboratory Head, Olivia Newton-John Cancer Research Institute, Australia

Trainee: Tabinda Hussain, Ph.D. (AAI '23), Postdoctoral Fellow

Project: Investigating the homeostatic requirements of Treg cells in primary and metastatic tumor niches



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THE ANNUAL MEETING OF THE AMERICAN ASSOCIATION OF IMMUNOLOGISTS

MAY 3–7, 2024 | CHICAGO, ILLINOIS

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Call for 2024 Award Applications

Deadline: December 5, 2023

More than half of members who submit abstracts receive travel grants or awards! Don't miss out—join AAI and submit your abstract for IMMUNOLOGY2024™ to be eligible for one of the many awards offered!

Lefrançois-BioLegend Memorial Award

Established to honor the memory of AAI member Dr. Leo Lefrançois, this award is intended to advance the career of a trainee who attends the AAI annual meeting and presents an outstanding abstract specifically in the area of mucosal immunology. 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 BioLegend and donations from friends and colleagues of Dr. Lefrançois.*

AAI Trainee Poster Awards

These awards provide a \$300 cash reward to AAI trainee members 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 podium presentation in a block symposium at the meeting. The award recipient will receive a \$1,500 cash award and a certificate during an awards presentation program at the AAI annual meeting. *This award is supported through an endowment from Henry J. Showell and Pfizer, Inc.*

AAI-Thermo Fisher Trainee Achievement Awards

These awards recognize up to six promising trainees in the field of immunology. Selection is based on career promise and presentation of an outstanding first-author abstract selected for podium presentation in a block symposium. Awardees will receive a \$1,000 cash award and \$1,250 in travel support. *These awards are generously supported by Thermo Fisher Scientific.*

AAI Undergraduate Faculty Travel Grants

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 \$1,250 is awarded to the undergraduate faculty member, and a grant of \$1,000 is awarded to the selected undergraduate student.

AAI Early Career Faculty Travel Grants

These grants assist young investigators (assistant professor or equivalent) in attending the AAI annual meeting. Recipients will receive \$1,250 in travel support.

Chambers-Thermo Fisher Scientific 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 Thermo Fisher Scientific.*

Lustgarten-Thermo Fisher Scientific 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 a \$1,250 cash award and a certificate during an awards presentation program at the AAI annual meeting. *This award is generously supported through a grant from Thermo Fisher Scientific.*

AAI Trainee Abstract Awards

These awards provide a \$500 cash reward to AAI trainee members whose first-author abstracts submitted to the AAI annual meeting are selected for podium presentation in block symposia.

AAI Laboratory Travel Grants

These grants assist mid-career and senior investigators in attending the AAI annual meeting. Applicants must hold an appointment of associate professor, full professor, or equivalent; have limited research funding; 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 \$1,250 each: one to the PI or laboratory director and another to a member of their lab, chosen by the PI or laboratory director.

AAI Minority Scientist Travel Awards

These awards assist eligible underrepresented minority (URM) scientists, including trainees and early-career faculty members, in attending the AAI annual meeting. Recipients will receive \$1,250 in travel support.

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

The 2024 AAI Awards will be presented in conjunction with

IMMUNOLOGY2024™

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

AAI Outreach Program Update

The AAI Outreach Program provides career development opportunities for young investigators by supporting podium and poster presentation awards at member-organized immunology meetings throughout the United States and internationally. The program most recently provided sponsorship at the conferences highlighted in this section.

Texas Symposium on Critical Topics in Immunology

The first annual Texas Symposium on Critical Topics in Immunology was held on February 17–18, 2023, at Texas A&M Hotel and Conference Center in College Station, TX.

AAI supported 10 Young Investigator Awards at the meeting for poster presentations.

The awardees for poster presentations were:

- Sarah Browning (AAI '21), graduate student, University of Texas Medical Branch at Galveston
- Lauren Farris, graduate student, Texas A&M University
- Yuanjiu Lei, graduate student, Texas A&M University
- Yazmin Martinez (AAI '19), graduate student, University of Texas Medical Branch at Galveston
- Jeannine Ott, Ph.D. (AAI '21), postdoctoral fellow, Texas A&M University
- Reina Paez (AAI '22), graduate student, University of Texas Medical Branch at Galveston
- Sunil Palani (AAI '22), graduate student, University of Texas Medical Branch at Galveston
- Bibiana Silveira, graduate student, Texas A&M University
- Vivian Tat (AAI '22), graduate student, University of Texas Medical Branch at Galveston
- Chrissy Wager, Ph.D., postdoctoral fellow, Texas Biomedical Research Institute



AAI Young Investigator Awardees at the Texas Symposium on Critical Topics in Immunology

Translational Research Cancer Centers Consortium (TRCCC) Annual Meeting

The Translational Research Cancer Centers Consortium 25th Annual Meeting was held February 21–24, 2023, at Seven Springs Mountain Resort in Seven Springs, PA.

AAI supported 12 Young Investigator Awards at the meeting for podium presentations.

The awardees for podium presentations were:

- Adam Brinkman, graduate student, Roswell Park Comprehensive Cancer Center
- Noah Cheng, graduate student, University of Pennsylvania
- Mackenzie Honikel, graduate student, Roswell Park Comprehensive Cancer Center



Pictured from left are TRCCC President Dr. Daniel Powell, Brinkman, Kim, Cheng, Salgia, Honikel, Rivera, Phelps, Mukherjee, and meeting co-organizer Dr. Jason Muhitch (not shown is Deschana Washington).

- Caitlin James, graduate student, Roswell Park Comprehensive Cancer Center
- Rina Kim, graduate student, University of Pennsylvania
- Debasmitta Mukherjee, graduate student, The Ohio State University
- Catherine Phelps, graduate student, University of Pittsburgh
- Nicholas Salgia, graduate student, Roswell Park Comprehensive Cancer Center
- ReidAnn Sever, research technician, University of Pittsburgh
- Guillermo Rangel Rivera, graduate student, Emory University
- Tara Vrooman (AAI '21), graduate student, University of Rochester
- Deschana Washington, graduate student, Roswell Park Comprehensive Cancer Center

Frontiers in Immunology Symposium

The Frontiers in Immunology Symposium was organized by The New York Academy of Sciences and held on April 11–12, 2023, as a hybrid event in New York City.

AAI supported five Young Investigator Awards at the meeting for poster presentations.

The awardees for poster presentations were:

- Mohammad Arifuzzaman, Ph.D., postdoctoral fellow, Weill Cornell Medical College
- Sandra Perez Baos, Ph.D., postdoctoral fellow, NYU Langone Medical Center
- Cristina Paraschivescu, Ph.D., postdoctoral fellow, The Feinstein Institutes for Medical Research
- Hiroshi Yano, Ph.D., postdoctoral fellow, Weill Cornell Medical College
- Yue Xing, Ph.D., postdoctoral fellow, NYU Langone Medical Center

Woods Hole Immunoparasitology Meeting (WHIP)

The 26th Annual Woods Hole Immunoparasitology Meeting (WHIP) was held on April 23–26, 2023, as a hybrid event in Woods Hole, MA.

AAI supported nine Young Investigator Awards that included three podium presentation awards, three poster presentation awards, and three poster lightning presentation awards.

The podium presentation award recipients were:

- Camila Farias Amorim, Ph.D., postdoctoral fellow, University of Pennsylvania
- Laura Garcia Lopez, graduate student, University of California, Merced
- Erin-Claire Pallot, graduate student, University of California, Riverside

The poster presentation award recipients were:

- Molly Bunkofske, Ph.D. (AAI '23), postdoctoral fellow, University of Pennsylvania
- Maria Merolle, graduate student, University of Pennsylvania
- Stella Onwah, graduate student, University of Manitoba, Canada

The lightning poster presentation award recipients were:

- Audrey Brown, graduate student, University of Virginia
- Lydia Sibley, graduate student, University of Virginia
- Emilie Pollenus, graduate student, KU Leuven, Belgium



WHIP meeting organizers Jude Uzonna (far left) and Keke Fairfax (far right) congratulate Young Investigator Awardees for podium presentations, pictured center from left to right: Pallot, Garcia Lopez, and Amorim.



Uzonna and Fairfax celebrate the Young Investigator Awardees for poster presentations at WHIP, pictured center from left to right: Onwah, Merolle, and Bunkofske.



Uzonna and Fairfax were proud to present certificates to the Young Investigator Awardees for lightning poster presentations, pictured in center from left to right: Pollenus, Sibley and Brown.



Attendees at Resolution Days Third Annual Congress

Resolution Days

Resolution Days Third Annual Congress was held on April 26–29, 2023, in Besançon, France.

AAI supported five Young Investigator Awards at the conference for poster and podium presentations.

The awardees for poster presentations were:

- Laura Chaffey, graduate student, University of Oxford, United Kingdom
- Esteban Gomez Cifuentes, graduate student, William Harvey Research Institute, London, United Kingdom
- Montaser Haddad, graduate student, Weizmann Institute of Science, Israel

The awardees for podium presentations were:

- Nofar Ben Jashar, graduate student, University of Haifa, Israel
- Salma Rizo, Ph.D., postdoctoral fellow, Hôpital Maisonneuve-Rosemont, Montreal, Canada

Yale Day of Immunology

The first Yale Day of Immunology was held on April 29, 2023, at the Anlyan Center in New Haven, CT. More than 40 trainees in the Yale Immunobiology and other departments volunteered at the event in order to teach interested high school students about immunology through multiple interactive workshops and activities. There were 65 onsite participants and 84 online attendees. AAI was proud to offer support for this event.



Attendees participate in an activity at Yale Day of Immunology

International Transplantation Science Meeting (ITS)

The European Society for Organ Transplantation (ESOT), the American Society of Transplantation (AST), and The Transplantation Society (TTS) collaborated to organize the International Transplantation Science (ITS) Meeting on April 30–May 3, 2023, in Ontario, Canada.

AAI supported 10 awardees at the ITS meeting for podium presentations. Congratulations to the following:

- Aravind Cherukuri, Ph.D., assistant professor, University of Pittsburgh
- Sarah Colpitts, Ph.D., researcher, University Health Network, Canada
- Sarah Crome, Ph.D., assistant professor, University Health Network, Toronto General Research Institute, Canada
- Torin Halvorson, graduate student, University of British Columbia, Canada
- Martin Mak, graduate student, Toronto General Hospital Research Institute, Canada
- Sonya Mangat, research assistant, BC Children’s Hospital Research Institute, Canada
- Daniel Mendes, graduate student, Massachusetts General Hospital
- Michael Nicosia, Ph.D. (AAI ’21), research associate, Cleveland Clinic, Lerner Research Institute
- Kyle Reid, graduate student, University of Toronto, Canada



Attendees at Yale Day of Immunology



ITS meeting organizer Fadi Issa (far left) congratulates awardees (front row, pictured from left) Crome, Mendes, Mangat, Colpitts, (back row, pictured from left) Rosado Sanchez, Halvorson, Cherukuri, Mak, Nicosia, and Reid.

- Isaac Rosado Sanchez, Ph.D., postdoctoral fellow, BC Children’s Hospital Research Institute, Vancouver, British Columbia, Canada

ImmunoDiverse Colloquium

The Third Annual ImmunoDiverse Colloquium, hosted by the University of California, San Francisco, took place on May 4–5, 2023, as a hybrid event. More than 200 registrants participated in the meeting, for which AAI provided general meeting support.

Southeastern Immunology Symposium (SIS)

The 10th Annual Southeastern Immunology Symposium (SIS) was held June 12–13, 2023, at Vanderbilt University Medical Center in Nashville, TN.

AAI supported 15 Young Investigator Awards for podium and poster presentations at the SIS.

The awardees for podium presentations were:

- Shivangi Dave (AAI '22), graduate student, University of Alabama at Birmingham
- Nozaki Kengo, Ph.D., postdoctoral fellow, Duke University
- Harish Narasimhan, graduate student, University of Virginia
- Chris Wilson, Ph.D., postdoctoral fellow, Vanderbilt University
- Garrett Wilson, graduate student, University of Alabama at Birmingham

The awardees for poster presentations were:

- Dominic Albao (AAI '22), graduate student, The Scripps Research Institute
- Jackie Bader, Ph.D., postdoctoral fellow, Vanderbilt University
- Jonathan Cohen, graduate student, University of North Carolina at Chapel Hill
- Blake Frey, graduate student, University of Alabama at Birmingham
- Sarah Michalets (AAI '22), graduate student, Emory University
- Dudley McNitt, Ph.D. (AAI '20), postdoctoral fellow, Vanderbilt University
- Kateryna Nabukhotna, graduate student, Vanderbilt University
- Bianca Nguyen (AAI '22), graduate student, Vanderbilt University
- Juselyn Tupik (AAI '21), graduate student, Virginia-Maryland College of Veterinary Medicine
- Benjamin Wilander (AAI '20), graduate student, St. Jude Children’s Research Hospital



SIS awardees front row from left: Nabukhotna, Kengo, Dave, McNitt, Bader, and Albao; back row from left C. Wilson, G. Wilson, Wilander and Cohen.



ImmunoDiverse Colloquium conference speakers from left: Dr. Colwyn Headley, Dr. Avery Posey, Priscila Munoz, Dr. Luisa Cervantes-Barragan, Dr. Jade Moore, Dr. Justine Levan, Tyle-Marie Deveau, Naa Asheley Ashitey, Dr. Victor Cortez, Dr. Rafael Tiburcio, Dr. Kamir Hiam-Galvez, Dr. Oyebola Oyesola, and Dr. Autumn Holmes.



Awardee Wiest with Bruno Silva-Santos, International Gamma Delta T Cell Conference organizing committee member (pictured on right in all awardee photos)



Awardee Tordesillas with Silva-Santos



Awardee Viswanathan with Silva-Santos



Awardee Mamedov with Silva-Santos

International Gamma Delta T Cell Conference

The 10th Annual International Gamma Delta T Cell Conference was held on June 20–23, 2023, in Lisbon, Portugal. AAI supported four awardees for podium presentations at the conference.

The awardees for podium presentations were:

- Murad Mamedov, Ph.D. (AAI '18), postdoctoral fellow, Gladstone Institutes
- Leticia Tordesillas, Ph.D., research scientist, Moffitt Cancer Center
- Mayuri Viswanathan, graduate student, University of Chicago
- David Wiest, Ph.D. (AAI '02), professor and scientific director, Fox Chase Cancer Center

Immunology LA

The 10th Annual Immunology LA Forum was held on June 23, 2023, at the Skirball Cultural Center in Los Angeles, CA.

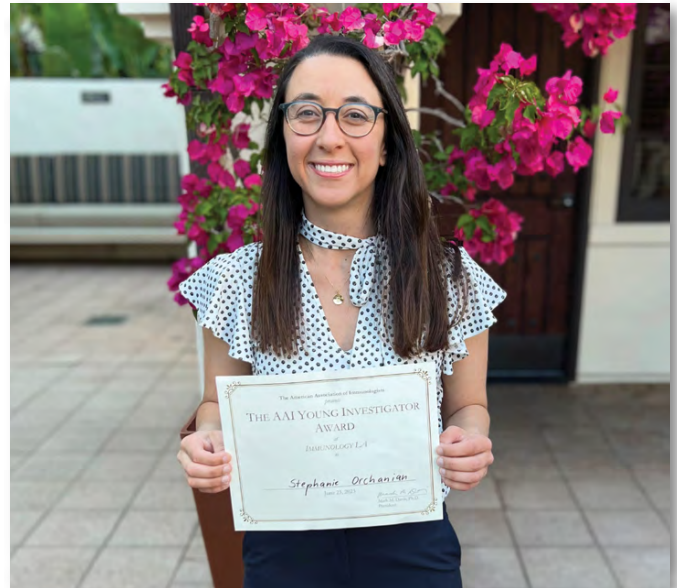
AAI supported seven Young Investigator Awards for podium and poster presentations at Immunology LA.

The awardees for podium presentations were:

- Stefanie Luecke, Ph.D., postdoctoral fellow, University of California, Los Angeles
- Richard Moore, graduate student, Cedars-Sinai Medical Center
- Stephanie Orchanian, graduate student, University of California, Irvine

The awardees for poster presentations were:

- Clayton Baker, graduate student, University of Southern California
- Mariana Broz, graduate student, Cedars-Sinai Medical Center
- Jessica Dos Santos, Ph.D. (AAI 21), postdoctoral fellow, Cedars-Sinai Medical Center
- Seokjo Kang, Ph.D. (AAI '23), postdoctoral fellow, Cedars-Sinai Medical Center



Immunology LA: Young Investigator Awardee Orchanian



Immunology LA: Young Investigator Awardees pictured from left are Kang, Luecke, Dos Santos, Broz, and Moore.

The Career Advisory Board

A RESOURCE FOR SENIOR POSTDOCS AND EARLY-CAREER FACULTY



Have you just started your first lab? Trying to juggle research, teaching, and service?

Are you facing new and puzzling issues that an established scientist can answer?

The Career Advisory Board (CAB) is a referral service that matches senior postdocs (start of fourth year and beyond) and early-career PIs who submit requests for guidance on specific career issues with more senior scientists with experience and insights in those areas. The program is not meant to replace the mentoring programs at a scientist's home institution, but rather to serve as a resource for senior postdocs and early-career PIs to obtain advice on a specific question from established investigators outside of their home institutions—often through a single phone call.

Selected Topics

- Balancing family and work
- Timing for first grant submission
- Recruiting
- Handling personnel issues
- Managing a lab
- Finding a mentor
- Building networks
- Preparing for leadership
- Balancing service obligations
- Teaching
- Serving on NIH study sections



ELIGIBILITY: The CAB is open to all senior postdocs (start of fourth year and beyond) and early-faculty AAI members.

APPLY HERE: <http://aai.org/CAB>

EDUCATION

AAI 2023 Summer Immunology Courses Held in Los Angeles and Boston

The AAI Introductory and Advanced Courses in Immunology are held annually each summer, bringing students and top names in immunology research together for an intensive week of immunology education. The 2023 courses drew a record number of students, perhaps reflecting the growing recognition of how important knowledge of immunology is to the field of science.



Dr. August presented a lecture on T cell development.

Designed for advanced trainees and scientists who wish to expand or update their understanding of the field, the intensive AAI Advanced Course is taught by world-renowned immunologists who highlight recent advances in the biology of the immune system and address its role in health and disease.

Twenty-four immunologists acted as course faculty, presenting on varied topics including the immune response, dendritic cells, and T cell memory. (See a full list of faculty and topics at www.aai.org/advancedcourse.)



Attendees enjoyed the networking reception.

2023 Advanced Course in Immunology

The 2023 AAI Advanced Course in Immunology brought 291 registrants from the United States and 13 foreign countries to the Westin Copley Place in Boston, MA, July 23–28. Wayne M. Yokoyama (AAI '84), professor, Washington University School of Medicine, returned as course director for a fifth year.



Dr. Nagler took time to speak with course participants after her presentation on the effect of the microbiome on immunity.

“The course gave me a more holistic view of the landscape in immunology regarding what is known and what is yet to be discovered,” said one attendee in the course survey. “It helps orient me in my daily work as well. Highly recommend!”

Another said, “Overall, I enjoyed a good review of basic immunology and the opportunity to get exposed to new knowledge!”

Overseas attendees at this year’s course included representatives of Argentina, Armenia, Belgium, Brazil, Kenya, Netherlands, Poland, South Korea, Sweden, Switzerland, Tanzania, Tunisia, and the United Kingdom. Among them were five International Union of Immunological Societies (IUIS) Scholars, who received support from AAI and the IUIS to attend the AAI course:



Dr. Yokoyama recognized the course participant who won a prize for being the first to register during the Welcome and Course Overview.



AAI-IUIS Scholars (pictured from left) Oneto, Nkinda, Omollo, Souza-Silva, and Yaakoubi

- Lilian Nkinda, graduate student, Muhimbili University of Health and Allied Sciences, Tanzania
- Kenneth Omollo, graduate student, University of Nairobi, Kenya
- Paula Oneto, graduate student, Instituto de Medicina Experimental-CONICET, Argentina
- Thaiany Souza-Silva, graduate student, Federal University of Minas Gerais, Brazil
- Roukaya Yaakoubi, graduate student, Pasteur Institute Tunis, Tunisia

2023 Introductory Course in Immunology

The 2023 AAI Introductory Course in Immunology was held at the UCLA Luskin Conference Center in Los Angeles, July 11–16. The event drew 265 registrants from the United States and six foreign countries. Helen S. Goodridge, Ph.D. (AAI '09), professor, Cedars-Sinai Medical Center, served as course director for the fifth year.



Dr. Goodridge enjoyed visiting with attendees during the networking reception.

Designed for students new to the discipline of immunology or those seeking more information to complement general biology or science training, the intensive, two-part AAI Introductory Course is taught by world-renowned immunologists, providing a comprehensive overview of the basics of immunology.



Dr. Boyaka presented a lecture on mucosal immunology.

Twenty-five immunologists participated as course faculty, covering topics such as innate immunity, antigen processing, and solid organ transplantation, among many others. (See the full list of faculty and topics at www.aai.org/IntroCourse.)

“The AAI Intro Course was my first immunology class,” said one student in the course survey. “Although it was intense, it was also an absolutely wonderful experience. ALL of the instructors were phenomenal!”



Dr. Klein answered questions from a course participant after her lecture on sex differences in immune responses.

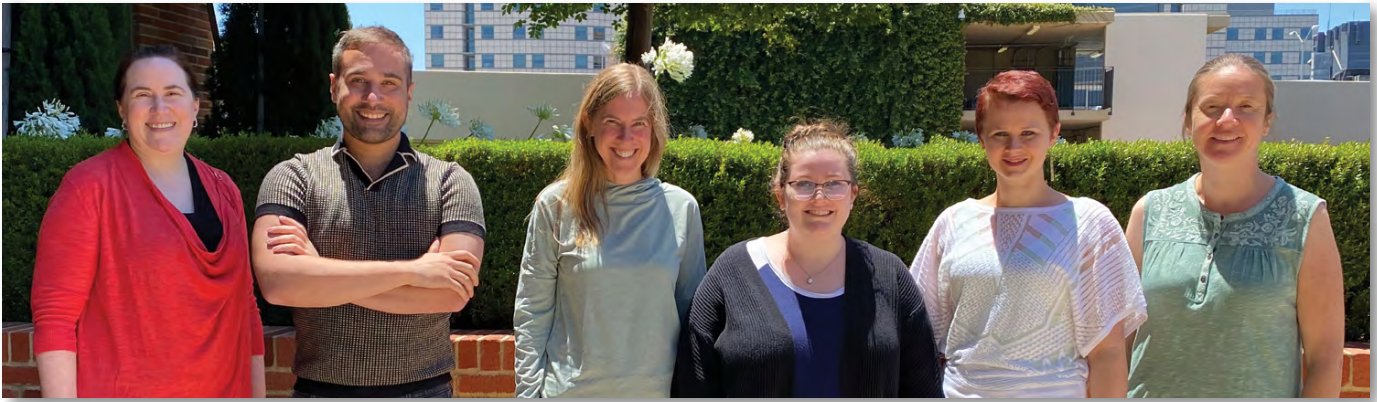
Another attendee commented, “...Presenters were enthusiastic, easy to understand, and great teachers! The constant switching of presenters kept me engaged...!”

International attendees at this year’s course included representatives of Canada, Mexico, Morocco, South Korea, Thailand, and United Kingdom. Among them were three IUIS Scholars, recipients of support from AAI and the IUIS to attend the AAI course:

- Houda Amellal, Graduate Student, Ain Chock Faculty of Sciences, Hassan II University, Morocco
- Jorge Cazares, Graduate Student, Monterrey Institute of Technology and Higher Education, Mexico
- Suyanee Thongchot, Researcher, Mahidol University, Thailand



Goodridge with AAI-IUIS Scholars (pictured from left) Thongchot, Cazares, Amellal, and AAI Director of Educational and Career Development Mary Litzinger



Dr. Litzinger with the High School Teachers Program participants (pictured from left) Thadeus, Foote, Lisi, Cuddy, and Goodridge

Participants in the AAI High School Teachers Program are offered the opportunity to attend this intensive introductory course and take part in a research experience with the goal of enhancing their ability to convey the excitement of immunology to their students. This year’s course attendees included four AAI High School Teachers Program participants:

- Jennifer Cuddy, Shrewsbury High School, Shrewsbury, MA
- Elizabeth Foote, Southfield Christian School, Southfield, MI
- Erin Lisi, Guy B. Phillips Middle School, Chapel Hill, NC
- Kelly Thadeus, Yellow Wood Academy, Mercer Island, WA

2023 Summer Courses Available On Demand

For those who missed out on the opportunity to attend the course, lectures and Q&A from the 2023 AAI summer courses are available on demand for a limited time. See www.aai.org/ImmunologyCourses for registration information.

Register for 2024 Immunology Courses

The 2024 AAI Introductory Course will be held July 9–14, at the UCLA Luskin Conference Center in Los Angeles, CA. The 2024 AAI Advanced Course will be held July 28–August 2, at the Westin Copley Place in Boston, MA. Details will be made available in March 2024 at www.aai.org/ImmunologyCourses.

GRIP

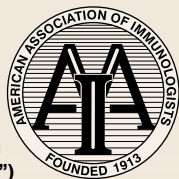
Grant Review for Immunologists Program

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

The AAI Grant Review for Immunologists Program (GRIP) offers new principal investigators (PIs) access to established PIs for guidance in preparing grant proposals as they embark on their independent careers. Early-career PIs (assistant professors or equivalents) are invited to submit their grants’ “Specific Aims” pages to the GRIP coordinator who, with the assistance of a small volunteer subcommittee, will attempt to match each topic of the proposal with the research experience of an established PI. Matches will be made as quickly as possible to allow participants to meet upcoming NIH grant deadlines. Participation is open only to AAI regular members and is strictly voluntary. The program is not intended to supplant internal mentoring programs at applicants’ institutions.

To apply, please send your CV and the grant’s “Specific Aims” page to infoaai@aai.org. (please write “GRIP” in the subject line)

To volunteer as a mentor, please send your CV and a brief description of your grant-reviewing experience to infoaai@aai.org. (subject line “GRIP”)



Program details at aai.org/Education/GRIP

2023 AAI Annual Meeting Highlights

May 11–15, 2023 | Washington, DC

Attendees from 46 countries joined more than 4,100 participants at **IMMUNOLOGY2023™** in Washington, DC, from May 11–15.

The 106th AAI annual meeting featured leading-edge immunology, with more than 2,000 abstracts submitted, producing 73 block symposia with almost 600 presenters and 79 poster sessions with more than 2,000 poster presenters covering 23 topic areas.

Meeting registrants also took advantage of numerous career sessions, networking events, and access to immunology job

postings, and nearly 700 attendees received AAI career or travel awards.

Additionally, attendees enjoyed opportunities to connect, socialize, and enjoy the beautiful city of Washington, DC, most notably at the **IMMUNOLOGY2023™ Gala** held at the National Museum of American History.

To see more photos from **IMMUNOLOGY2023™**, visit the online gallery at <https://immunology2024.aai.org/2023-highlights>.

Opening Day/Opening Night



President Mark Davis with Leslie Berg and Program Chair Cathy Nagler



Case Western Reserve University immunology students enjoyed the Opening Night Reception.



Tomas Zalenka with Dorina Avram, chair of the AAI Committee on the Status of Women



Towson University was well represented at **IMMUNOLOGY2023™**!

Committee-Sponsored Events



The Education Committee and *ImmunoHorizons* co-sponsored a first-ever Sip and Learn speed networking event that proved tremendously popular!



One of the most popular events is the Careers Roundtables and Speed Networking Session sponsored by the Minority Affairs Committee.



New members from around the country—and the world—enjoyed meeting each other at the New Member Reception.

Exhibit Hall and Poster Sessions



Cheers to IMMUNOLOGY2023™!



"Stemmy" the Stem Cell was a popular giveaway in the exhibit hall.



AAI staff were happy to assist attendees at the Info Desk.



Poster presenters were excited to discuss their research.

IMMUNOLOGY2023™ Gala



Attendees celebrated an exciting and informative IMMUNOLOGY2023™ at the closing night Gala.





You have the power.

Your membership in the American Association of Immunologists helps advance the field—and your career.

Being a part of AAI enables you to take an active role in helping to shape the future of immunology and attain your professional goals. You'll stand with members representing immunological research concerns on Capitol Hill. Plus, you gain access to:

- The best and brightest minds today.
- The world's largest annual all-immunology meeting.
- *The Journal of Immunology*, the preeminent peer-reviewed journal in the field, and *ImmunoHorizons*, the open-access, fully peer-reviewed AAI journal.
- Many occasions and opportunities to present your research.
- Awards/fellowships/grants to support talented scientists in every career stage.

To learn more about how your professional life is enriched by membership in AAI, call 301.634.7195 or visit www.aai.org today.



From the History Archives: Marion Morris

“I have always had interesting jobs. I didn’t think they looked like anything on paper, but I was never bored.” — Marion Morris

(above) Washington University School of Medicine, 1926; (right) Marion Morris, 1919

The AAI History Archives are wide ranging and full of hidden gems. Recently, the AAI history staff discovered three photographs of an unidentified female member that seemed to represent the span of her adult life. These turned out to be of Marion C. Morris (AAI 1936), a long-time and very involved AAI member. While not famous for her research, her career arc that spanned much of the 20th century demonstrated the diverse opportunities available to immunologists.

Using documents discovered scattered across many different archives, AAI historians were able to reconstruct Dr. Morris’s career and part of her web of scientific connections, but not much about obstacles she undoubtedly faced as a woman in science. She did not speak about these issues in the one published interview she gave. Her career, research, and dedication to immunology, however, did not go unnoticed: the first AAI executive director remarked to her niece in 1988 that Morris “became one of the distinguished ladies in immunologic science.”¹

Born in Holyoke, MA, in 1902, Morris was six years old when her father unexpectedly passed away. The oldest of her four siblings, she was thrust into a new world of responsibility, supporting her family. In 1919, Morris graduated high school as valedictorian and made the difficult decision to attend Smith College.² A scholarship helped ease the financial burden on the family. She majored in chemistry and graduated *cum laude* in 1923, along with membership in Phi Beta Kappa—the oldest academic honor society in the U.S.³

Early Career

Following graduation, she began her career in science, although she was not yet in graduate school. She began as a laboratory apprentice at the New York State Department of Health in Albany. Four years later, she moved down the Hudson to New York City for a position as a laboratory assistant at the prestigious Rockefeller Institute for Medical Research (RIMR), which she held from 1927 to 1928.⁴

It is unclear why she decided to leave RIMR, which was a hotbed of immunological research at the time, to pursue graduate studies at Washington University in St. Louis. The director of RIMR, Simon Flexner (AAI 1920), was a member of AAI, as were many RIMR scientists. Several would become AAI presidents within the next decade, including Oswald Avery (AAI 1920, president 1929–30), Alphonse Dochez (AAI 1920, president 1931–32), and Thomas Rivers (AAI 1921, president 1933–34). Morris did, however, depart RIMR at the same time that two institute scientists decamped for appointments at Washington University School of Medicine: Jacques J. Bronfenbrenner (AAI 1920, president 1942–46) accepted the chair of the department of bacteriology and immunology; and Edmund V. Cowdry became professor of cytology in the department of anatomy.⁵

To WashU

Morris enrolled in the graduate program at Washington University in the fall of 1927 and was employed at the medical

school as an experimental bacteriologist in the Department of Ophthalmology. In 1930, her position in the department changed to assistant in experimental bacteriology and immunology, no doubt reflecting her academic research focus. In 1931, she received her M.S. following the acceptance of her thesis, “The interrelationships of the antibody and hypersensitive responses of rabbits to streptococcus and pneumococcus.”

Morris remained enrolled at Washington University to pursue her doctorate and continued working at the medical school. In 1932, she published her first manuscript with Louis A. Julianelle (AAI 1930), associate professor of applied bacteriology and immunology in the Department of Ophthalmology, who had been a researcher at RIMR from 1924 to 1930.⁶ The following year she joined the Trachoma Commission, albeit with the same title, where she could focus the skills she had developed in bacteriology, immunology, and ophthalmology on one disease.

Trachoma

The commission was created at Washington University in October 1930 “for the study of trachoma and allied diseases.” It was directed by Julianelle and supported by a grant from the Commonwealth Fund.⁷ The stated objective of the commission was “to investigate the nature, cause and treatment of trachoma and the differentiation of trachoma from clinically related diseases.” The Trachoma Commission consisted of an interdepartmental model (ophthalmology, bacteriology, immunology, and biochemistry) in the medical school as well as collaboration with the U. S. Trachoma Hospital at Rolla, MO.⁸

Trachoma was not a new disease, having infected humans since before recorded history. It was an infection in the eye that slowly and painfully led to blindness. However by the late 19th century in the United States, it had become, according to the Surgeon General, a “dangerous, contagious, disease.” Though long endemic in what would be known as the “Trachoma Belt,” an area beginning in central and southern Appalachia and extending into the Midwest,⁹

it was trachoma’s appearance among immigrants from Southern and Eastern Europe that brought the attention and focus of federal public health authorities.¹⁰ Unduly punitive immigration restrictions limited trachoma outbreaks on the coasts, but the largest non-immigration reservoir in the Trachoma Belt required a better understanding of the disease to limit transmission and provide better palliative care.

By the 1910s, it was well known among medical and public health officials that, though the causative agent was not yet identified, unhygienic conditions and poor sanitation were spreading the disease, especially among rural families and schools where shared towels, bed linens, and contaminated wash basins were common. The federal government opened the first field trachoma hospital in Kentucky in September 1913. Other trachoma hospitals would soon open in Virginia, West Virginia, Tennessee, North Dakota, Arkansas, Georgia, and Rolla, MO. Hospitals offered rudimentary surgical and sulfa drug treatments, later becoming a hub for field hospitals and clinics that could perform better disease surveillance in rural areas. The clinics, run typically by nurses, also served as the best way to provide health education and training in the Trachoma Belt. By the early 1930s, improvements in sanitation and teaching of better hygiene began to ameliorate conditions. The specific cause, and thus hope for better treatment and/or a cure, remained elusive.¹¹ (To learn more about trachoma, go to aai.org/history/trachoma.)

Morris’s research was focused on determining the causative agent of trachoma. She worked closely with Julianelle and R. Wendell Harrison (AAI 1934), an applied bacteriology and immunology instructor. A Trachoma Research Committee furthered the work of the commission established in the medical school, which was chaired by Julianelle and included Bronfenbrenner, Cowdry, W. McKim Marriott (professor of pediatrics and dean of the medical school), and Lawrence T. Post (assistant professor of clinical ophthalmology).

In 1937, Julianelle, Harrison, and Morris published the summary of their years-long research.¹² Given the technology they had at the time, many of their conclusions were correct; however, they erred in the causative agent of trachoma,



Bringing eye patients to Lexington, KY, 1916



Typical Kentucky mountaineer home c.1930

concluding that “the accumulated evidence suggests that the infectious agent of trachoma is a virus.”¹³ The etiological agent *Chlamydia trachomatis*, or trachoma, was not positively identified until 1957 when T’ang Feifan, Chang (Zhang) Xiaolou, Huang Yuantong, and Wang Keqian from Tong Ren Hospital in China successfully isolated the bacteria in a chicken embryo. The research team further identified that three strains of chlamydia (A, B, and C serotypes) could cause trachoma.¹⁴

Doctorate and Appointment at WashU

While on the commission, Morris was also carrying out her doctoral research under Bronfenbrenner’s mentorship. Though Bronfenbrenner was nearly a decade into his bacteriophage research, Morris was free to continue to pursue her research in sensitivity and anaphylaxis.

Morris successfully defended her dissertation, “The Relation Between Hypersensitiveness and Resistance,” in 1935 and was shortly thereafter elected to Sigma Xi.¹⁵ She presented a preview of her dissertation to the broader scientific community with an abstract at the 1935 annual meeting of the Society of American Bacteriologists titled “The Relationship of Antianaphylaxis to Antibody-Balance and to Immunity.”¹⁶ She followed that up with her first primary-authored manuscripts, “The Relation Between Antianaphylaxis and Antibody Balance (part I and part II)” the following year.¹⁷ In a footnote on the first page, she dedicated this paper to Bronfenbrenner, “who suggested these investigations, and to whom we are indebted for assistance, advice, and interest throughout the course of this study.”¹⁸

In the academic year following her doctorate, Morris was made a research fellow in bacteriology while maintaining her position in the Department of Ophthalmology. She was hired as a full-time instructor in bacteriology and immunology in the Department of Bacteriology and Immunology the following year.

The move to a new department provided new opportunities and new colleagues for Morris. In addition to Bronfenbrenner, who chaired the department, and Julianelle, Morris worked with assistant professor Philip L. Varney (AAI 1948) and the other instructors: Hiromu Tsuchiya and future Nobel laureate Alfred D. Hershey (AAI 1942), whom Bronfenbrenner had personally recruited. Her medical school teaching and laboratory responsibilities included bacteriology, and infection and immunity, which were required courses for second-year medical students.

Morris remained an instructor until 1942, when she was promoted to assistant professor of bacteriology and immunology. During that time, she interacted with new recruits to the department, including future AAI members Simon E. Sulkin (1945) and Carl G. Harford (AAI 1948). Her research shifted slightly toward the creation of more effective serums, potentially for viruses, work that was published in *The Journal of Immunology* (*The JI*).¹⁹

New Opportunities



Marion Morris, 1948 (colorized)

In the summer of 1943, Morris resigned from her position at Washington University. There is no record of why she left, but she quickly took a one-year appointment at Vassar College as an associate professor of plant biology.²⁰

After a year at Vassar, Morris returned to New York City and took a position at the Public Health Research Institute (PHRI) in the Division of Infectious

Diseases. Founded by Mayor Fiorello La Guardia in 1942 as an independent nonprofit research organization, PHRI initially had three divisions: Infectious Disease, Applied Immunology, and Nutrition and Physiology (later renamed Division of Biochemistry). The division of infectious diseases director was a familiar face for Morris. Louis Julianelle had been recruited from Washington University to become the division’s first director in 1942, which no doubt played a role in Morris coming to PHRI.²¹ As a pure researcher, Morris’s publishing output increased in her years at PHRI, all of which appeared in *The JI*. Morris later described this time as “all academic immunology—nothing you can make popular at all!”²²

National Foundation for Infantile Paralysis

In 1952, Morris left PHRI and bench science for the National Foundation for Infantile Paralysis (later renamed the March of Dimes), where she initially served as the assistant director of professional education in the Division of Scholarships and Fellowships. Morris played an uncelebrated but crucial role in numerous scientific investigations as she evaluated funding requests from all over the world.

One such instance occurred in March 1957, when she received a letter from Joseph Smadel (AAI 1937, president 1958–59), who had received his M.D. at Washington University School of Medicine the same year Morris had completed her master’s degree there. Smadel’s familiar tone suggests that the two had known each other for some time. He was writing on behalf of Carleton Gajdusek, whose NFIP funding had run out in January. Morris had recently asked Smadel about Gajdusek because she had not heard from him about his grant. Now Smadel had an answer for her: Gajdusek was “among the cannibals studying a most important new disease with neurological manifestations.”²³ The new disease was kuru, a prion-transmitted spongiform encephalopathy contracted by consuming human brain tissue. The Fore people of Papua New Guinea would consume the bodies of their deceased relatives and sometimes develop debilitating tremors and neurodegeneration.

Smadel acknowledged that “red tape” might prevent NFIP from extending the expired funding, as “with all the best intentions, we cannot put a man on a fellowship or on a staff appointment without having a warm body and a signature.” Morris agreed that funding through normal avenues was not “feasible” but evidently passed the request on to Thomas Rivers, the medical



March of Dimes poster, 1959

director at NFIP, who had the authority to make “certain funds” available in this highly unusual case—enough to get Gajdusek home and ease his transition from Australia’s Walter and Eliza Hall Institute to a new position at the National Institute of Neurological Disorders and Stroke (NINDS).²⁴

The success of the Salk and Sabin vaccines (approved in the United States in 1955 and 1961, respectively) led to a decline in contributions to the NFIP and thus necessitated difficult decisions about the future of the organization. In 1962, Morris’s division was eliminated as the organization pivoted towards birth defects and infant mortality. At the age of 60, Morris was without a job, which she recalled “was a blow. [It was] something that happened almost overnight and shouldn’t happen to anybody.” However, her varied skill set in the broader scientific field helped her find her next job.

Health Research Council



Marion Morris, c.1960

The Health Research Council (HRC) of New York City was the brainchild of Mary Lasker and the city’s commissioner of health, Leona Baumgartner, who first considered its creation in 1954. They approached Mayor Robert Wagner about creating a municipal research institute, the first of its kind, to fund public health research.²⁵ After a 1957 planning

session attended by 100 scientists from universities, government, and industry, a funding goal of \$1 per resident of New York City was established. Although the first year’s budget from the city was only \$1.1 million, by 1961, the budget was increased to \$8 million, meeting the initial goal.²⁶

By 1965, when Morris was the assistant scientific director, the HRC was funding the research of 172 individual scientists—most of whom were early career—on a wide range of public health and basic science investigations. Grant applications were open to all scientists on the faculties of colleges and universities in New York City or who were employed in municipal departments, and funded grants averaging \$14,000 per year.²⁷ The HRC also provided funding for institutional project grants for larger studies led by a primary investigator with a laboratory and staff.²⁸ The Council’s refurbishment program helped universities and hospitals reclaim disused spaces, creating more than 100 new laboratories in five years without any new construction.²⁹

Morris retired in 1971 and was a resident of New York City and an AAI member for the remainder of her life. She passed away on April 1, 1988.³⁰ Towards the end of her life, she was interviewed as part of a Smith College booklet highlighting notable alumnae. Looking back on her career, she stated, “I didn’t plan any of these things... Strength and energy fail as time moves on, but the psyche continues to produce great things.”³¹

Endnotes

- 1 Letter from Joseph F. Saunders to Anne McCormick, July 26, 1988. AAI Archive, Rockville, MD.
- 2 “Miss Morris Gets PhD Degree From Washington Univ,” *Holyoke Daily Transcript and Telegram*, May 28, 1935, 11.
- 3 “Marion Morris ’23, New York, New York,” *A Smith Spectrum*, 1986: 20.
- 4 “Morris Marion Claire,” Smith College Alumnae Directory, Smith Archive, n.d.
- 5 “Biographical History,” Jacques J. Bronfenbrenner Papers, Bernard Becker Medical Library, Washington University School of Medicine in St. Louis, accessed August 4, 2023, <https://beckerarchives.wustl.edu/FC023>
- 6 Julianelle, L. A., and M. C. Morris, “Reactions of Rabbits to Intracutaneous Injections of Pneumococci and Their Products: VIII. The Interrelationships of Hypersensitiveness to Pneumococcus and Streptococcus,” *Journal of Experimental Medicine* 55, no. 5: 867–76.
- 7 The Commonwealth Fund is a private foundation founded in 1918 by Anna M. Harness. The mission of the Fund is to “promote a high-performing, equitable health care system that achieves better access, improved quality, and greater efficiency, particularly for society’s most vulnerable, including people of color, people with low income, and those who are uninsured.” www.commonwealthfund.org/about-us
- 8 *Washington University School of Medicine Bulletin*, Washington University, April 10, 1933, 89.
- 9 States included in the Trachoma Belt included Virginia, Kentucky, Tennessee, Missouri, Arkansas, Alabama, and Oklahoma, along with small parts of Ohio, Indiana, Illinois, and Kansas.
- 10 Allen, Shannen K. and Richard D. Sembra, “The Trachoma “Menace” in the United States, 1897–1960,” *Survey of Ophthalmology* 41, no. 5: 503.
- 11 Allen and Sembra 505–6.
- 12 Julianelle, L. A., R. A. Harrison, and M. C. Morris, “Reactions of Rabbits to Intracutaneous Injections of Pneumococci and Their Products: VIII. The Interrelationships of Hypersensitiveness to Pneumococcus and Streptococcus,” *Journal of Experimental Medicine* 65, no. 5: 735–55.
- 13 Julianelle, Harrison, and Morris, 753.
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- 15 <https://classic.searchmobius.org:443/record=b12529724-S0>
- 16 Morris, Marion C., and J. Bronfenbrenner, “M.46 The Relationship of Antianaphylaxis to Antibody-Balance and to Immunity,” *Journal of Bacteriology* 31, no. 1: 62.
- 17 Morris, Marion C., “The Relation Between Antianaphylaxis and Antibody Balance: I. The Role of Excess of Circulating Antibody in Hypersensitiveness,” *Journal of Experimental Medicine* 64, no. 4: 641–55; “The Relation Between Antianaphylaxis and Antibody Balance: II. The Effect of Specific Desensitization Upon Resistance to Infection and Upon Antibody Balance,” *Journal of Experimental Medicine* 64, no. 4: 657–72.
- 18 Morris, “The Relation Between Antianaphylaxis and Antibody Balance: I.,” 641.
- 19 Morris, Marion C., “The Effect of Dilution on the Reaction between Pneumococcus and Its Specific Antibody,” *The Journal of Immunology* 39, no. 5: 369–81; “The Effect of Dilution on the Reaction Between Pneumococcus and Its Specific Antibody: II. The Dilution Phenomenon,” 42, no. 2: 219–37; “The Validity of the ‘Percentage Law’ in Bactericidal Reactions,” 47, no. 5: 359–71; “Analogy Between the Effect of Complement on Sensitized E. Typhosa and the Effect of Tissue Individuality on Sensitized Virus,” 48, no. 1: 17–24.
- 20 “Departments Announce New Appointments; Madariaga Is New Spanish Chairman,” *Vassar Miscellany News*, September 9, 1943, 3.
- 21 “L. Julianelle Dies; Bacteriologist, 49,” *New York Times*, August 13, 1944.
- 22 “Marion Morris ’23, New York, New York,” 20.
- 23 Joseph E. Smadel to Marion C. Morris, March 29, 1957.
- 24 Joseph E. Smadel to Thomas M. Rivers, April 9, 1957.
- 25 Mary Lasker oral history, www.columbia.edu/cu/lweb/digital/collections/nny/laskerm/transcripts/laskerm_1_21_642.html
- 26 Franklin E. Brill, “The Health Research Council of New York City,” *Public Health Reports* 81, no. 1: 17.
- 27 \$131,837 in 2023 dollars.
- 28 Brill, 18–19.
- 29 Brill, 19–20.
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- 31 “Marion Morris ’23, New York, New York,” *A Smith Spectrum*, 1986: 20.

GRANTS AND AWARDS DEADLINES

AAI Grants and Awards

October 16

AAI Travel for Techniques Awards

- **Prize/Award:** Multiple awards providing up to \$1,500 each in reimbursement of travel expenses for a visit to another laboratory specifically to learn a technique beneficial to award applicant's research
- **Eligibility:** AAI regular and associate member scientists with independent research programs; awarded travel may be that of the applicant, applicant's trainee, or applicant's lab member (traveler must be an AAI member); award selection is based on relevance of the technique to the applicant's program and financial need
- **Details:** www.aai.org/TravelforTechniques
- **Contact:** awards@aai.org

December 5

AAI Travel Awards to IMMUNOLOGY2024™, Chicago, IL

- **Prize/Award:** Awards in 11 categories recognizing the promise and bolstering the professional development of investigators of all career stages through support for travel to the AAI annual meeting
- **Eligibility:** AAI members in good standing who meet specific conditions for each award (see program details at link below)
- **Details:** www.aai.org/Awards/Travel
- **Contact:** awards@aai.org

Non-AAI Grants and Awards

Visit the AAI website at www.aai.org/GrantsAwardsDeadlines for links to non-AAI grant and award program listings and deadlines.

Future AAI Annual Meetings

Mark your calendar for the premier annual all-immunology event!



2024
IMMUNOLOGY2024™

May 3–7, 2024
Chicago, IL



2025
IMMUNOLOGY2025™

May 3–7, 2025
Honolulu, HI



2026
IMMUNOLOGY2026™

April 15–19, 2026
Boston, MA

Mark Your Calendar for These Important Dates!

Dear readers, please note that the meetings listed on these pages were still scheduled at press time, but cancellations may occur. Please check an individual meeting's website to confirm that it is still scheduled.

2023

October 14–17

The Obesity Society: Obesity Week 2023

Dallas, TX

<https://obesityweek.org/attend/future-dates>

October 15–18

International Cytokine & Interferon Society (ICIS) Annual Meeting 2023

Divani Caravel Hotel, Athens, Greece

<https://athens.cytokinesociety.org>

October 16–19

25th Annual Upstate New York Immunology Conference (NYIC)

The Otesaga Resort Hotel, Cooperstown, NY

www.amc.edu/NYIC/index.cfm

October 16–20

American Society for Histocompatibility and Immunogenetics (ASHI) Annual Meeting 2023

San Antonio Marriott Rivercenter,

San Antonio, TX

<https://2023.ashi-hla.org/future-meeting-dates>

October 18–22

American Society of Tropical Medicine & Hygiene (ASTMH) Annual Meeting

Hyatt Regency Chicago, Chicago, IL

www.astmh.org/annual-meeting/past-meetings#Future%20Annual%20Meetings

October 22

International Society for Vaccines (ISV) Annual Congress 2023

Lausanne, Switzerland

<https://isv-online.org>

October 22–25

Translational Physiology of Cardio-oncology

Snowmass Village, Colorado

October 26–28

Society for Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS): The National Diversity in STEP Conference

Portland, OR

www.sacnas.org/conference

October 28–31

American College of Veterinary Pathologists (ACVP) 2023 Annual Meeting

Chicago Marriott Downtown Magnificent Mile, Chicago, IL

www.acvp.org/page/Future_Meetings

November 1–5

American Society of Human Genetics (ASHG) Annual Meeting 2023

Washington, DC

www.ashg.org/meetings/future-past

November 1–5

Society for Immunotherapy of Cancer (SITC) Annual Meeting 2023

San Diego Convention Center, San Diego, CA

www.sitcancer.org/education/annualmeeting/archive

November 15–18

ABRCMS 2023: Annual Biomedical Research Conference for Minoritized Scientists

Phoenix, AZ

<https://abrcms.org>

November 17–20

Autumn Immunology Conference 2023

Chicago, IL

<https://autumnimmunologyconference.org>

November 17–21

International Veterinary Immunology Symposium (IVIS) 2023

Kruger National Park, South Africa

<http://ivis2023.org>

November 27–December 2

IUIS 2023: 18th International Congress of Immunology

Cape Town, South Africa

<https://iuis2023.org>

December 1–3

World Allergy Congress (WAC) 2023

Bangkok, Thailand

www.worldallergy.org/meetings

December 2–6

American Society for Cell Biology (ASCB): Cell Bio 2023—An ASCB | EMBO Meeting

Boston, MA

www.ascb.org/meetings-events/future-ascb-meetings

December 4–7 | Hybrid Meeting

British Society for Immunology Congress (BSI) 2023

Belfast, Northern Ireland

www.immunology.org/events/british-society-immunology-congress-2023

December 4–8

Australian and New Zealand Society for Immunology (ASI) Annual Scientific Meeting

University of Auckland,

Auckland, New Zealand

www.asi2023.org

December 9–12

American Society of Hematology (ASH) 65th Annual Meeting and Exposition

San Diego Convention Center, San Diego, CA

www.hematology.org/meetings/annual-meeting

December 11–15

American Geophysical Union (AGU) Fall Meeting 2023

San Francisco, CA

www.agu.org/Plan-for-a-Meeting/AGUMeetings

2024

January 19–23

Annual Conference of Research Workers in Animal Diseases

Chicago, IL

<https://crwad.org/save-the-date-for-crwad-2023>

February 10–14

Biophysical Society (BPS) Annual Meeting 2024

Pennsylvania Convention Center, Philadelphia, PA

www.biophysics.org/upcoming-annual-meetings

February 18–21

Keystone Symposium: Regulation of Barrier Immunity—Joint Meeting with Fungal Pathogens: Emerging Threats and Future Challenges

Fairmont Banff Springs, Banff, AB, Canada

www.keysym.us/KSBarrierReg24

April 22–25

Canadian Society for Immunology (CSI) Annual Conference 2024

The Banff Centre, Banff, Alberta, Canada

www.csi-sci.ca/Scientific_Meeting.html



May 8–11

American Society of Gene and Cell Therapy (ASGCT) 27th Annual Meeting

Baltimore Convention Center, Baltimore, MD

<https://asgct.org/annual-meeting/future-annual-meetings>

May 29–31

11th International Mast Cell and Basophil Meeting of the European Mast cell and Basophil Research Network

Toulouse, France

www.embrn.eu

June 1–5

American Transplant Congress (ATC) 2024

Pennsylvania Convention Center, Philadelphia, PA

<https://atcmeeting.org>

July 6–10

International Congress of Mucosal Immunology (ICMI) 2024

Copenhagen, Denmark

www.socmucimm.org/meetings-events/upcoming-meetings-events

September 1–4

7th European Congress of Immunology (ECI): Conquering Challenges with Immunology

Dublin, Ireland

<https://eci2024.org>

September 2–6

19th European Meeting on Complement in Human Diseases

Lübeck, Germany

www.emchd2024.org

September 17–19

NEUTROPHIL 2024

München, Germany

<https://theneutrophil.com>

October 20–23

International Cytokine & Interferon Society (ICIS) Annual Meeting 2024

Seoul, Korea

<https://cytokinesociety.org/meetings/future-meetings>

October 21–25

American Society for Histocompatibility and Immunogenetics (ASHI) Annual Meeting 2024

Marriott Anaheim, Anaheim, CA

<https://2023.ashi-hla.org/future-meeting-dates>

October 23–27

American Society of Tropical Medicine & Hygiene (ASTMH) Annual Meeting

New Orleans Ernest N. Morial Convention Center, New Orleans, LA

www.astmh.org/annual-meeting/past-meetings#Future%20Annual%20Meetings

October 31–November 2

Society for Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS): The National Diversity in STEP Conference

Phoenix, AZ

www.sacnas.org/conference

November 3–6

The Obesity Society: Obesity Week 2024

San Antonio, TX

<https://obesityweek.org/attend/future-dates>

November 5–9

American Society of Human Genetics (ASHG) Annual Meeting 2024

Denver, CO

www.ashg.org/meetings/future-past

November 6–10

Society for Immunotherapy of Cancer (SITC) Annual Meeting 2024

George R. Brown Convention Center, Houston, TX

www.sitcancer.org/education/annualmeeting/archive

Nov. 16–19

American College of Veterinary Pathologists (ACVP) 2024 Annual Meeting

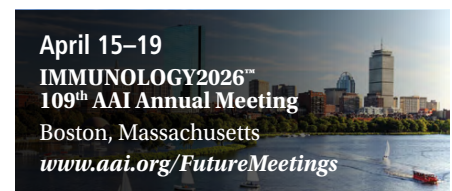
Hyatt Regency Seattle, Seattle, WA

www.acvp.org/page/Future_Meetings

2025



2026



IMMUNOLOGY2024™

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MAY 3–7, 2024

CHICAGO, ILLINOIS



IMPORTANT DATES

AWARDS *(Please note that dates are earlier this year!)*

Career Awards Nominations	Now Open
Career Awards Nominations Due	September 20, 2023
Travel Awards and Grants Applications Open	October 17, 2023
Travel Awards and Grants Applications Due	December 5, 2023

ABSTRACT SUBMISSION *(Please note that dates are earlier this year!)*

Abstract Submission Opens	October 17, 2023
Abstract Submission Closes	December 5, 2023

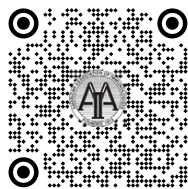
REGISTRATION

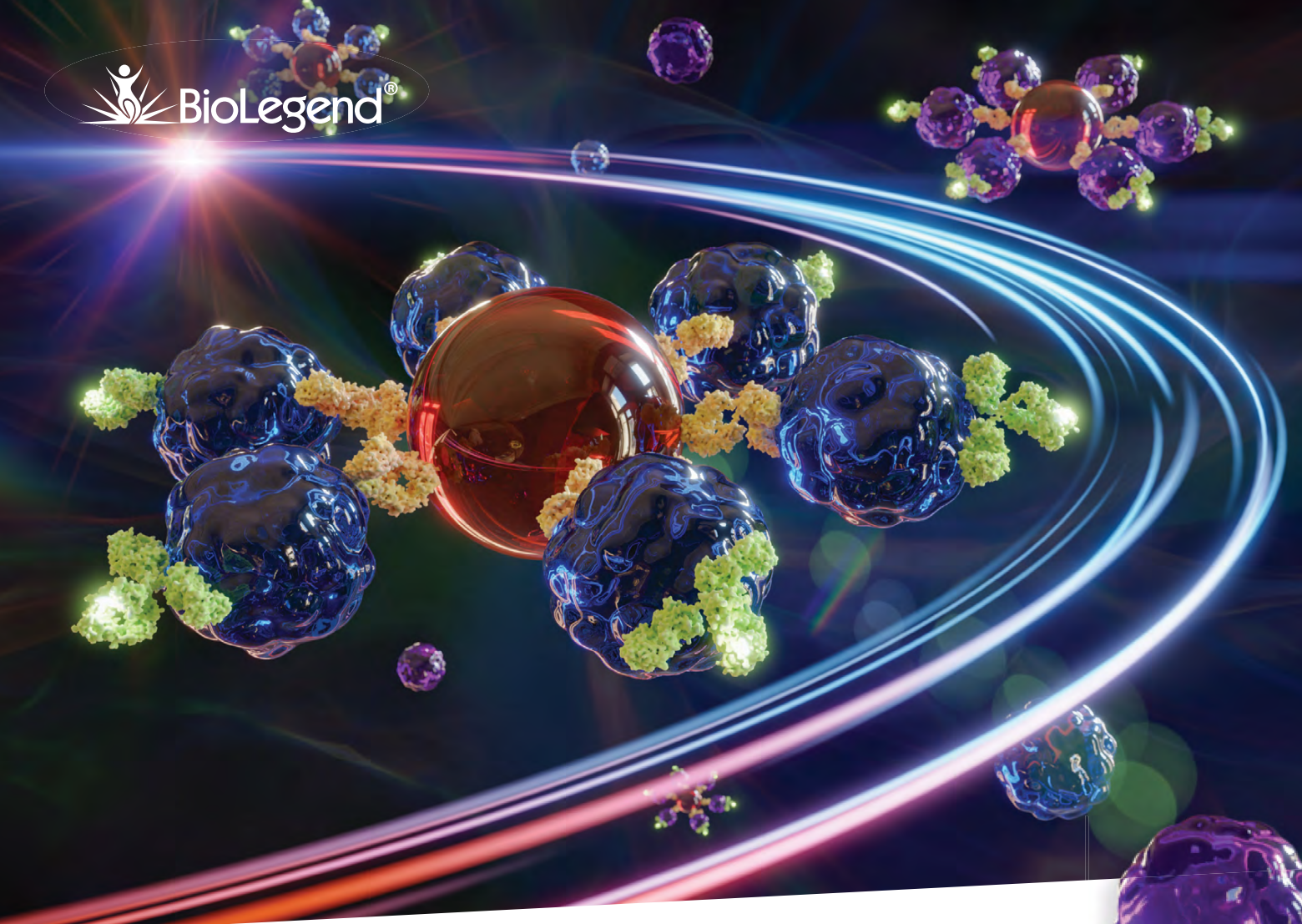
Registration Opens	December 12, 2023
Early Registration Discount Ends	April 2, 2024

HOUSING

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Discounted Hotel Rates End	April 12, 2024

IMMUNOLOGY2024™ attendees receive deep discounts on hotels in the official AAI room block. Reserve yours now at immunology2024.aai.org. Book now, pay later!





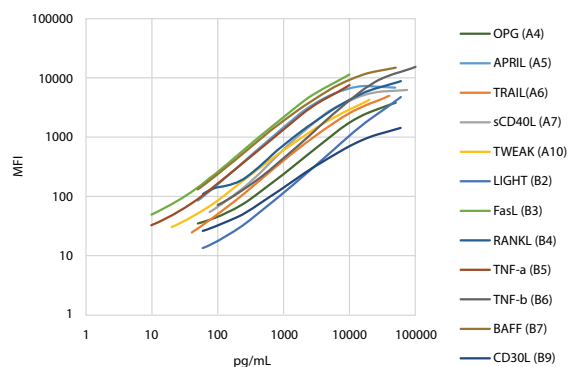
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