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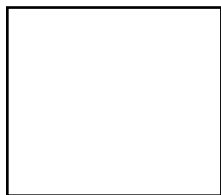
PROGRAM PREVIEW

IMMUNOLOGY2025™

THE ANNUAL MEETING OF THE AMERICAN ASSOCIATION OF IMMUNOLOGISTS

SATURDAY, MAY 3 – WEDNESDAY, MAY 7
HAWAI'I CONVENTION CENTER, HONOLULU, HI

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A large, artistic microscopic image of cells is positioned at the bottom of the page. The cells are rendered in vibrant colors, including purple, orange, and yellow, against a dark background. The image shows various cell types, some with long, thin processes extending from them, and others that are more rounded and clustered.

revvity

AAI President's Invitation to IMMUNOLOGY2025™

Dear Colleagues,

It is my great pleasure to invite you to join us for **IMMUNOLOGY2025™**, the leading annual all-immunology event worldwide, taking place in the stunning setting of **Honolulu, Hawai'i, from May 3 to 7, 2025**. This year, we are striking a balance of cutting-edge science and the beautiful environment, with early starting times each day to maximize both learning opportunities and time to appreciate the scenery and culture of our host city.

Program Highlights

IMMUNOLOGY2025™ is set to be an unparalleled scientific experience featuring Major Symposia that will spotlight groundbreaking research and emerging trends, along with Distinguished Lectures by leading experts driving transformative discoveries in immunology. Additionally, we are excited to present more than 3,000 abstract presentations in Block Symposia and poster sessions, showcasing the latest advancements across all areas of the field.

I am delighted to announce that **Distinguished Lectures** will be delivered by a stellar line-up of immunology leaders. **Wayne M. Yokoyama** will present on “Challenging the current paradigms that explain autoimmunity;” **Judy Lieberman** will discuss “Fanning the flames: pyroptosis in infection, cancer, and neurodegeneration;” and **David G. Schatz** will be sharing insights from “A personal, structural, and evolutionary journey with RAG.” In addition, our **Major Symposia** will explore diverse topics covering T cells, AI, the brain-immune interface, B cells, infection and autoimmunity, innate immunity, cancer immunology, and lymphatic immunophysiology.

President's Vision for 2025

I am particularly excited to see you all at the **President's Program** at IMMUNOLOGY2025™. On Saturday, May 3, at 4:00 PM, I will open the meeting with my **President's Address**, titled “*I Think You Should Leave: Regulating T Cell Trafficking and Maintenance*.” This presentation will delve into the critical mechanisms governing T cell migration and homeostasis within the immune system. During my address, we will also honor esteemed colleagues with the **AAI Lifetime Achievement Award** and acknowledge the **Distinguished Fellows of AAI Class of 2025**, celebrating their significant contributions to the field of immunology.

Following this, on Tuesday, May 6, from 2:30 to 4:30 PM, I will be chairing an incredible lineup of speakers in the **President's Symposium**. This year, the focus is on “*Putting T Cells in*

their Place” and will feature distinguished speakers who are shaping the future of immunological research. **Donna L. Farber** will discuss the generation of tissue-resident memory T cells and the importance of timing in their development. **Ananda W. Goldrath** will explore the spatial and temporal aspects of memory T cell differentiation. **John T. Harty** will present on the role of memory T cells in tissues. And **Martin Prlic** will provide insights into unconventional T cell localization and function.

What's New in 2025

This year, we are introducing several exciting initiatives to enhance your conference experience. On Saturday morning, we will host **First Things First: An Insider's Guide to IMMUNOLOGY2025™**, a special session designed to help new members and first-time attendees navigate the meeting and make the most of their time. To foster collaboration, we have established **Collaboration Zones and Networking Receptions**, providing dedicated spaces for attendees to connect with peers who share similar research interests. In our commitment to inclusivity and accessibility, we are implementing a new **Real-Time Translation Service** for select sessions. Recognizing the importance of family support, AAI is significantly increasing its commitment to helping parents attend the meeting through **Childcare Awards**, enabling us to assist nearly three times as many families. Furthermore, we are committed to reducing our environmental impact through various **Sustainability Initiatives**, including water bottle reuse incentives, badge recycling, sustainable signage, donation of unused materials, and food rescue programs to support the Hawaiian community.

Beyond the meeting, I wanted to remind you all that AAI remains steadfast in its mission to increase public awareness of immunology, advocate for sustained funding for biomedical research, and ensure a robust, diverse, and thriving scientific community. There have been many recent threats to the future of science, but through strategic outreach, awareness, and education, AAI aims to amplify the important impact of our field on global health.

I look forward to welcoming you to IMMUNOLOGY2025™, where we will celebrate discovery, collaboration, and the bright future of immunology. See you in Honolulu!

Best regards,


Stephen C. Jameson, Ph.D.
AAI President

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IMMUNOLOGY2025™

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To see a list of AAI staff, visit

aai.org/staff

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DISCOVER NEW NETWORKING OPPORTUNITIES AT IMMUNOLOGY2025™

AAI is pleased to introduce our new
Major Hangout Complexes.

LOOK FOR MHC I AND MHC II

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Our two dedicated collaboration zones
offer the perfect spots to connect
with other attendees in planned or
spontaneous gatherings based
on your research interests.

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AAI PRESIDENT'S PROGRAM

SATURDAY, MAY 3, 4:00 PM – 5:15 PM
BALLROOM BC



President's Address

Stephen C. Jameson

Univ. of Minnesota Med. Sch., USA, AAI President

I Think You Should Leave: Regulating T Cell Trafficking and Maintenance



Speaker

John T. Harty

Univ. of Iowa, USA

Introduction



AAI Lifetime Achievement Award Presentation

Chair

Stephen C. Jameson, *Univ. of Minnesota Med. Sch., USA, AAI President*

Presented to

Leslie J. Berg

Univ. of Colorado Sch. of Med., USA

Acknowledgement of Distinguished Fellows of AAI Class of 2025

AAI PRESIDENT'S PROGRAM

TUESDAY, MAY 6, 2:30 PM – 4:30 PM
BALLROOM BC



President's Symposium

Stephen C. Jameson

Univ. of Minnesota Med. Sch., USA, AAI President
Putting T Cells in their Place



AAI Excellence in Mentoring Award Acknowledgment

Chair

Stephen C. Jameson, *Univ. of Minnesota Med. Sch., USA, AAI President*

Acknowledging

Ronald N. Germain

NIAID, NIH, USA



Speaker

Donna L. Farber

Columbia Univ. Med. Ctr., USA

Generation of tissue resident memory T cells: timing matters



Speaker

Ananda W. Goldrath

Allen Inst. for Immunology, USA

Memory T cell differentiation in space and time



Speaker

John T. Harty

Univ. of Iowa, USA

Memory T cells in tissues



Speaker

Martin Prlic

Fred Hutchinson Cancer Res. Ctr., USA

Nobody puts T cell in a corner

AAI PRESIDENT'S PROGRAM

About the Symposium Speakers



Donna L. Farber, Ph.D., DFAAI (AAI '95) is the George H. Humphreys, II Professor of Surgical Sciences (in Surgery), Columbia University Irving Medical Center (CUIMC), where she is chief of the Division of

Surgical Sciences, and serves as a professor of microbiology and Immunology at Columbia University Vagelos College of Physicians and Surgeons (CPS), where she directs the Human Tissue Immunity and Disease Initiative. Prior to joining Columbia University in 2010, Dr. Farber was a professor at the University of Maryland School of Medicine, in the Department of Surgery and the Department of Microbiology and Immunology.

Dr. Farber studies immunological memory with a particular emphasis on human immunology. Previous studies in the lab using mouse influenza models led to the identification of lung tissue resident memory T cells and their ability to mediate optimal protective immunity to viral challenge compared to circulating memory T cells. Her current research involves dissecting how T and B cell memory is generated to vaccines and viruses across tissues; defining mechanisms for differential aging of immune cells in distinct sites; and extending mechanistic studies in mouse models to identify mechanisms for in situ protection and establish models to recapitulate the sequential acquisition of memory T cells to different viral exposures experienced in humans.

Farber serves as the newest member of the AAI Council. Her many awards and honors include election as a Distinguished Fellow of AAI (DFAAI) and to the American Association for the Advancement of Science and the Henry Kunkel Society; the Mentor of the Year Award, Irving Institute for Clinical and Translational Research and Columbia University Irving Medical Center Office of Academic Affairs; and the Deans Distinguished Lecture in the Basic Sciences, Columbia University.



Ananda W. Goldrath, Ph.D. (AAI '05), is the Executive Vice President and Director of the Allen Institute for Immunology in Seattle, WA. She joined the Allen Institute in 2023 after 19 years at University of California

San Diego, where she was a Tata Chancellor's Professor in the School of Biological Sciences in the Molecular Biology Department.

Dr. Goldrath's research has contributed to the understanding of transcriptional networks that govern the formation and maintenance of long-lived protective immunity. Her work explores the mechanistic basis underlying memory T cell differentiation by driving or suppressing target genes essential for differentiation of protective T cell subsets, regulating metabolic pathway usage, or by controlling access to and survival in tissues. The Goldrath lab is investigating new ways to induce the immune system to provide protection from infection and eradicate malignancies.

Among Dr. Goldrath's many awards and honors are election to American Academy of Arts and Sciences, as a Pew Scholar, a Leukemia and Lymphoma Society Fellow, and a Hellman Fellow. She is a member of the Immunological Genome Project.



John T. Harty, Ph.D., DFAAI (AAI '95), is Professor of Pathology at the University of Iowa, where he has researched and taught since 1993. He holds the Pathology Endowed Chair in Microbial Immunology

Research in the Department of Pathology.

Dr. Harty's research is focused on understanding the dynamics of the T cell response, how effector and memory T cell differentiation are regulated, how memory T cell populations are maintained, and how they can be generated and manipulated to enhance protective immunity. His lab uses this basic information to manipulate immune responses for optimal protection against Plasmodium infection of the liver and blood and Influenza virus infection of the lung.

AAI PRESIDENT'S PROGRAM

The major approaches of the Harty lab involve identification of new questions through sophisticated analyses of *in vivo* T cell responses to various pathogens or immunization regimens. These observations are then dissected at the cellular, biochemical, and molecular levels to generate a comprehensive mechanistic view of T cell regulation. He recently initiated projects to use intravital 2-photon imaging to further dissect immunity to infections of the liver, brain, and lungs.

Harty's awards and honors include election to the 2024 class of Distinguished Fellows of AAI and the University of Iowa Graduate College Outstanding Postdoctoral Mentor Award. He is the recipient of an NIH Merit Award.



Martin Prlic, Ph.D. (AAI '07), is a professor in the Vaccine and Infectious Disease Division of the Fred Hutchinson Cancer Research Center in Seattle, WA, and affiliate professor in the Department of Immunology and

the Department of Global Health at the University of Washington. He is also affiliated with the Pathobiology and Molecular and Cellular Biology programs at UW.

Dr. Prlic primarily studies T cell and innate-like T cell responses in mucosal tissues. His lab is particularly interested in understanding how T cells function in inflammatory environments such as infections and cancer. By defining how subsets of T cells regulate their function in health and in various disease states, he aims to understand how to manipulate these cells for therapeutic use.

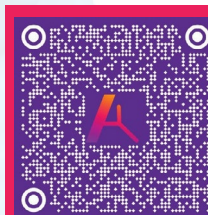
Prlic has been honored with the Fred Hutchinson Cancer Research Center President's Young Investigator Award, the NIH Director's New Innovator Award, the NIH Pathway to Independence Award, and election as a Special Fellow of the Leukemia and Lymphoma Society. He has also received the Theodor Kömer Preis and the Talentförderungsprämie für Wissenschaft, Austrian awards for outstanding scientific achievements.

Connection Collaboration Cutting-Edge Research Career Advancement

AAI is a welcoming, dynamic, and engaging community of immunologists and scientists in related disciplines, from all settings and applications—because of members like you.

If you have a colleague or friend who would benefit from being involved, please encourage them to join at aai.org/membership.

Thank you for being a member and helping AAI thrive!



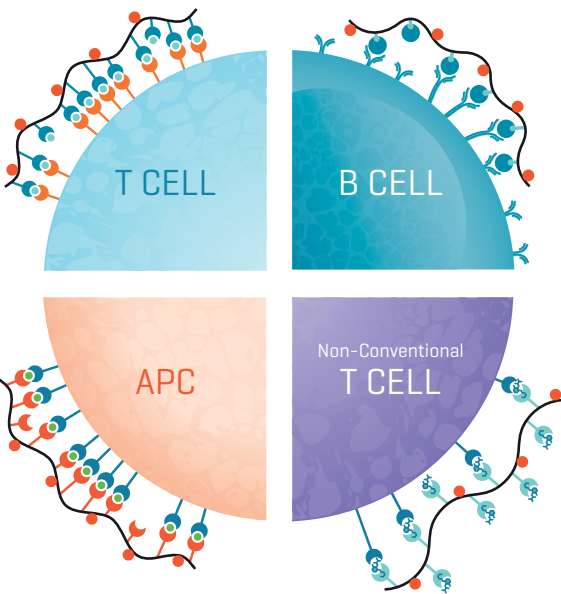
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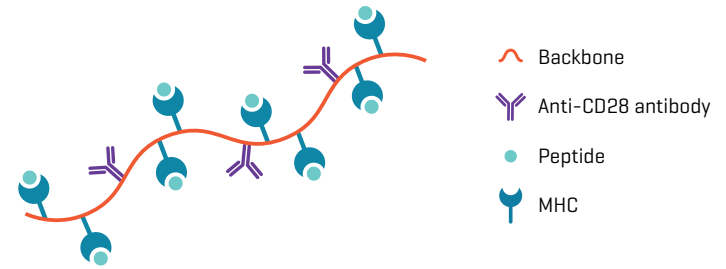
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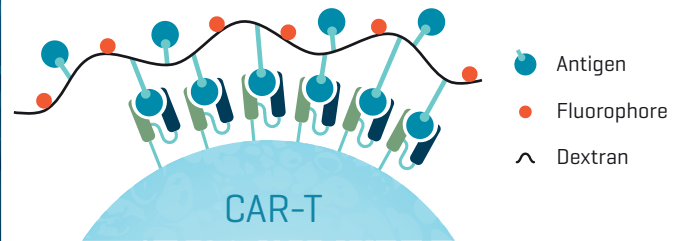
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DISTINGUISHED FELLOWS OF AAI CLASS OF 2025

The American Association of Immunologists proudly announces the **2025 class of Distinguished Fellows of AAI (DFAAI)**.

This program recognizes members for distinguished careers and outstanding scientific contributions, as well as service to AAI and the immunology community. It honors active, long-term members (25 or more years) who, in addition to their service to AAI, have demonstrated one or more of the following: excellence in research accomplishment in the field of immunology; exceptional leadership to the immunology community in academia, foundations, nonprofits, industry, or government, at a national or international level; and/or notable distinction as an educator. Election as a Distinguished Fellow occurs annually and is among the highest honors bestowed by AAI. Distinguished Fellows bear the designation "DFAAI." Including the class of 2025, 169 individuals have been recognized by this distinction.

The DFAAI 2025 honorees are:



Janice S. Blum, Ph.D.
(AAI '97)

*Dean, University Graduate School
Chancellor's Professor,
Department of Microbiology
and Immunology*

Indiana University, USA

medicine.iu.edu/faculty/1972/blum-janice



Mark M. Davis, Ph.D.*
(AAI '88)

*Director, Stanford Institute for Immunology, Transplantation and Infection
Professor, Microbiology and Immunology*

HHMI, Stanford University, USA

med.stanford.edu/profiles/mark-davis



Lisa H. Butterfield, Ph.D.
(AAI '93)

*Distinguished Scientist,
Discovery Oncology
Merck Research Labs, USA*

www.linkedin.com/in/lisa-butterfield-a545891a5



Michael L. Dustin, Ph.D.
(AAI '99)

*Kennedy Trust Professor of Molecular Immunology
Kennedy Institute of Rheumatology, University of Oxford, GBR*

www.kennedy.ox.ac.uk/team/michael-dustin



Andrew C. Chan, M.D., Ph.D. (AAI '95)

*Senior Vice President,
Research Biology
Genentech, Inc., USA*

www.gene.com/scientists/our-scientists/andrew-chan



Beth A. Garvy, Ph.D.
(AAI '98)

*Senior Associate Dean for Biomedical Education
Professor, Microbiology, Immunology, and Molecular Genetics*

University of Kentucky Chandler Medical Center, USA

medicine.uky.edu/users/bgarv0

DISTINGUISHED FELLOWS OF AAI CLASS OF 2025



Jen L. Gommerman, Ph.D.
(AAI '98)

*Professor, Immunology
Canada Research Chair in
Tissue Specific Immunity
University of Toronto, CAN*

immunology.utoronto.ca/faculty/jennifer-gommerman



Diane J. Mathis, Ph.D.
(AAI '99)

*Morton Grove-Rasmussen
Professor of Immunohematology
Harvard Medical School, USA*
hsci.harvard.edu/people/diane-mathis-phd



Christopher A. Hunter, Ph.D. (AAI '96)

*Mindy Halikman Heyer
Distinguished Professor
of Pathobiology
University of Pennsylvania
Veterinary School, USA*

www.vet.upenn.edu/people/faculty-clinician-search/CHRISTOPHERHUNTER



Ruslan Medzhitov, Ph.D.
(AAI '00)

*Sterling Professor of
Immunobiology
HHMI, Yale School of Medicine,
USA*

medicine.yale.edu/profile/ruslan-medzhitov



Mark H. Kaplan, Ph.D.[†]
(AAI '98)

*Director of Basic Science,
Brown Center for
Immunotherapy
Nicole Brown Professor
of Immunology*

Indiana University School of Medicine, USA

medicine.iu.edu/faculty/906/kaplan-mark



Luis J. Montaner, D.V.M., D.Phil. (AAI '97)

*Executive Vice President
Director, HIV Cure and Viral
Diseases Center
Herbert Kean, M.D., Family
Professor*

The Wistar Institute, USA

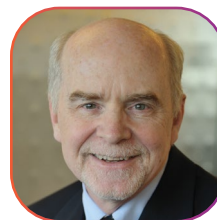
www.wistar.org/our-scientists/luis-montaner



Warren J. Leonard, M.D.
(AAI '86)

*NIH Distinguished Investigator
NHLBI, NIH, USA*

irp.nih.gov/pi/warren-leonard



John J. O'Shea, M.D.
(AAI '84)

*Scientific Director and Senior
Investigator*

*Chief, Molecular Immunology
and Inflammation Branch*

*Acting Chief, Laboratory of Molecular
Immunogenetics, Genomics and Immunity Section
NIAMS, NIH, USA*

www.niams.nih.gov/about/directory/john-oshea-md

DISTINGUISHED FELLOWS OF AAI CLASS OF 2025



**Jeffrey V. Ravetch, M.D.,
Ph.D. (AAI '99)**

*Theresa and Eugene M. Lang
Professor of Immunology,
Virology, and Microbiology
The Rockefeller University, USA*

www.rockefeller.edu/our-scientists/heads-of-laboratories/889-jeffrey-v-ravetch



**Andrea J. Sant, Ph.D.
(AAI '91)**

*Professor, Department of
Microbiology and Immunology,
Center for Vaccine Biology and
Immunology*

University of Rochester, USA

www.urmc.rochester.edu/people/112364139-andrea-sant



**Anuradha Ray, Ph.D.
(AAI '95)**

*Professor, Medicine, Division of
Pulmonary, Allergy and Critical
Care Medicine*

Professor, Immunology

UPMC Endowed Chair in Lung Immunology

University of Pittsburgh School of Medicine, USA

www.pmi.pitt.edu/people/ant-213



**Andrey S. Shaw, M.D.
(AAI '91)**

*Senior Fellow, Immunology,
Oncology, Research Biology
Genentech, Inc., USA*

www.gene.com/scientists/our-scientists/andrey-shaw



**Shimon Sakaguchi, M.D.,
Ph.D. (AAI '90)**

Professor, Immunology

*Immunology Frontier Research
Center, Osaka University, JPN*

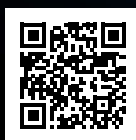
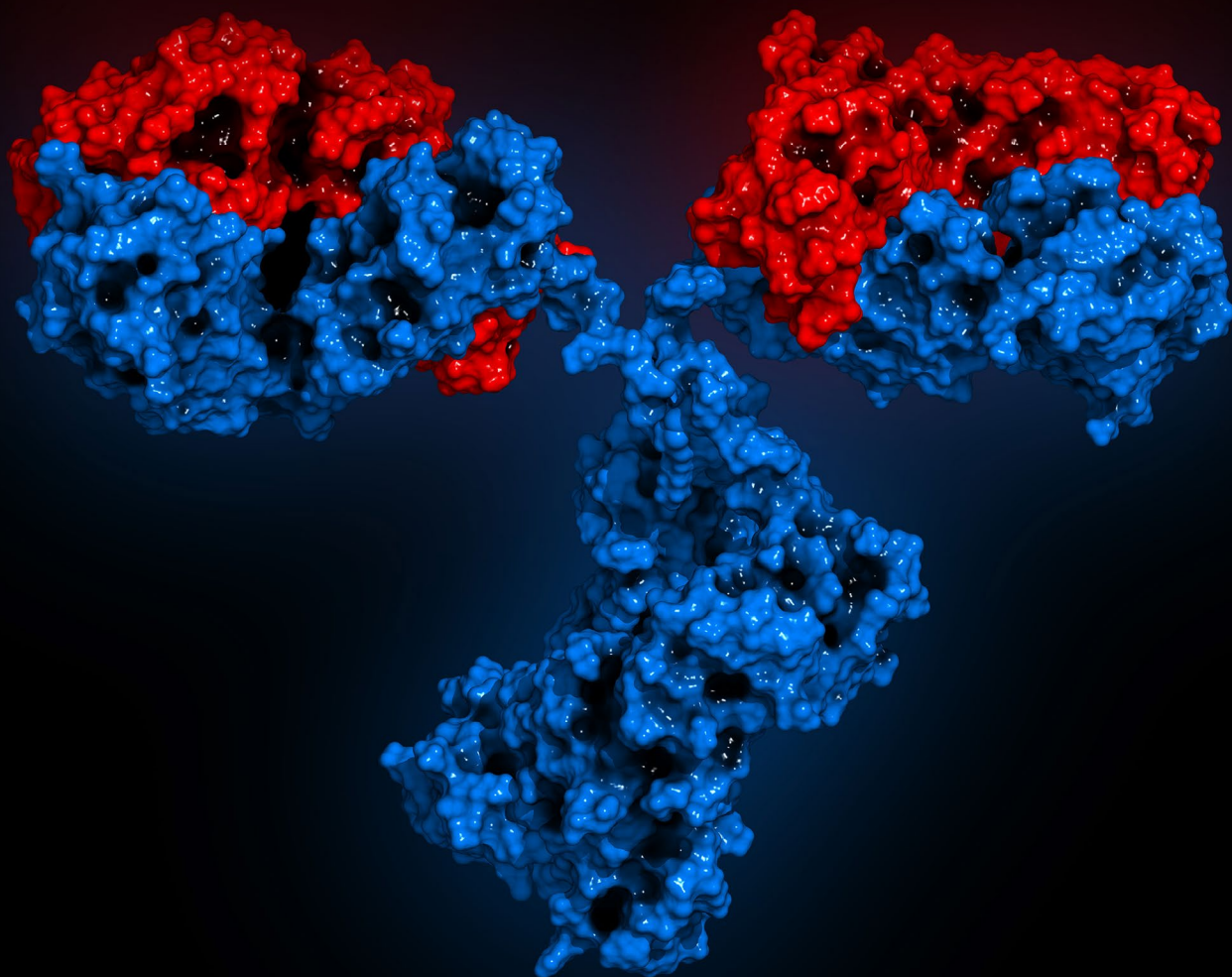
www.ifrec.osaka-u.ac.jp/en/laboratory/shimon_sakaguchi

* AAI Past President

† *ImmunoHorizons* Past Editor-in-Chief


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CAREER AWARDS

Each year, AAI recognizes its members' extraordinary professional achievements and career promise. The following are the recipients of the 2025 Career Awards being presented at **IMMUNOLOGY2025™**.

AAI Lifetime Achievement Award Presentation

SATURDAY, MAY 3, 4:00 PM
BALLROOM BC

This award recognizes a member for a remarkable career of scientific achievement and contributions to AAI and the field of immunology.

Chair

Stephen C. Jameson, *Univ. of Minnesota Med. Sch., USA, AAI President*



Presented to

Leslie J. Berg

Univ. of Colorado Sch. of Med., USA

AAI Distinguished Service Awards Presentation

SUNDAY, MAY 4, 9:00 AM – 10:30 AM
BALLROOM A

This award recognizes AAI members for outstanding service to the AAI community and the field of immunology.

Chair

Loretta L. Doan, *AAI Chief Executive Officer*



Presented to

Julie M. Jameson

California State Univ., San Marcos, USA



Presented to

Edith Porter

California State Univ., Los Angeles, USA

Drs. Jameson and Porter are recognized for leading development of the AAI undergraduate curriculum recommendations, 2019–2021.

AAI ASPIRE Awards Presentation

SUNDAY, MAY 4, 9:00 AM – 10:30 AM
BALLROOM A

These awards recognize early career research accomplishments and professional promise in the field of immunology.

Chair

Loretta L. Doan, *AAI Chief Executive Officer*



Presented to

Mohammad Arifuzzaman

Weill Cornell Med., USA



Presented to

Christopher O. Barnes

Stanford Univ., USA

CAREER AWARDS



Presented to
Brandon J. DeKosky
*The Ragon Inst.
& MIT, USA*



Presented to
Anna-Maria Globig
*Allen Inst. for
Immunology, USA*



Presented to
Jenna Guthmiller
*Univ. of Colorado
Anschutz Med.
Campus, USA*



Presented to
**Miguel Reina
Campos**
*La Jolla Inst. for
Immunology, USA*



Presented to
Pamela Rosato
*Geisel Sch. of Med.
at Dartmouth, USA*

AAI ASPIRE Awards Symposium and Networking

SUNDAY, MAY 4, 11:45 AM – 1:45 PM
ROOM 312

These awards recognize early career research accomplishments and professional promise in the field of immunology. The award lectures will be followed by a networking reception.

Speakers

Christopher O. Barnes

Stanford Univ., USA

Hitting a moving target: next-generation therapies to combat SARS-CoV-2 evolution

Jenna Guthmiller

Univ. of Colorado Anschutz Med. Campus, USA

Harnessing the ghosts of influenza past to generate protective humoral immunity

Mohammad Arifuzzaman

Weill Cornell Med., USA

Dietary fiber and microbiota-derived bile acids regulate type 2 immune response and metabolic homeostasis

AAI-BD Biosciences Investigator Award Presentation and Lecture

Generously supported by BD Biosciences

SUNDAY, MAY 4, 1:15 PM – 2:15 PM
ROOM 313B

This award recognizes an individual for noteworthy early career achievement in immunology research.



Presented to

Noah W. Palm

Yale Sch. of Med., USA

Mapping uncharted landscapes of host-microbiota connectivity

CAREER AWARDS

AAI Lancefield Mid-Career Achievement Award Presentation and Lecture

Sponsored by the AAI Committee on the Status of Women

SUNDAY, MAY 4, 3:30 PM – 4:30 PM
ROOM 313A

This award recognizes a mid-career woman investigator for outstanding research and leadership.



Presented to

Gretchen Diehl

*Sloan Kettering Inst.,
Memorial Sloan Kettering
Cancer Ctr., USA*

*Microbiota and intestinal
immune development
and function*

FASEB Excellence in Science Early-Career Investigator Award Lecture

SUNDAY, MAY 4, 4:15 PM – 5:15 PM
ROOM 312

This award recognizes excellence, innovation, and leadership by a female early career investigator whose research has contributed significantly to a particular discipline in biological science.



Presented to

Mariana Byndloss

*Vanderbilt Univ. Med.
Ctr., USA*

*Uncovering intestinal
epithelium-microbiota
metabolic interactions
in health and disease*

AAI-Thermo Fisher Meritorious Career Award Presentation and Lecture

Generously supported by Thermo Fisher Scientific

MONDAY, MAY 5, 12:30 PM – 1:30 PM
ROOM 313C

This award recognizes a scientist for exceptional research contributions to the field of immunology.



Presented to

Vijay K. Kuchroo

*Gene Lay Inst. of
Immunology and
Inflammation, Brigham
and Women's Hosp.,
Massachusetts General
Hosp., Harvard Med.
Sch., and Broad Inst. of
MIT and Harvard, USA*

T cell differentiation in disease and tissues

AAI-Steinman Award for Human Immunology Research Presentation and Lecture

MONDAY, MAY 5, 1:15 PM – 2:15 PM
ROOM 314

This award recognizes an individual for significant, sustained achievement in immunology research pertinent to human disease pathogenesis, prevention, or therapy.



Presented to

Bali Pulendran

*Stanford Univ. Sch.
of Med., USA*

Systems vaccinology

AAI Vanguard Award Presentation and Lecture

Sponsored by the AAI Minority Affairs Committee

MONDAY, MAY 5, 3:30 PM – 4:30 PM
ROOM 313C

This award recognizes the research achievement and exemplary career success by an underrepresented investigator.

CAREER AWARDS



Presented to

Jose R. Conejo-Garcia

*Duke Sch. of Med., USA
Biology-guided development of off-the-shelf CAR gamma/delta T cells for solid tumor therapy*



Acknowledging

Ronald N. Germain

NIAID, NIH, USA

AAI ASPIRE Awards Symposium and Networking

TUESDAY, MAY 6, 11:45 AM – 1:15 PM
ROOM 312

These awards recognize early career research accomplishments and professional promise in the field of immunology. The award lectures will be followed by a networking reception.

Speakers

Miguel Reina-Campos

*La Jolla Inst. for Immunology, USA
Spatial instructions of tissue immunity*

Pamela Rosato

*Geisel Sch. of Med. at Dartmouth, USA
Resident memory T cells on the brain*

AAI Excellence in Mentoring Award Acknowledgment

TUESDAY, MAY 6, 2:30 PM
BALLROOM BC

This award recognizes a member for exemplary career contributions to a future generation of scientists.

Chair

Stephen C. Jameson, *Univ. of Minnesota Med. Sch., USA, AAI President*

AAI-BioLegend Herzenberg Award Presentation and Distinguished Lecture

Generously supported by BioLegend

TUESDAY, MAY 6, 5:15 PM – 6:00 PM
BALLROOM BC

This award recognizes an individual for outstanding contributions to the field of immunology in the area of B cell biology.

Chair

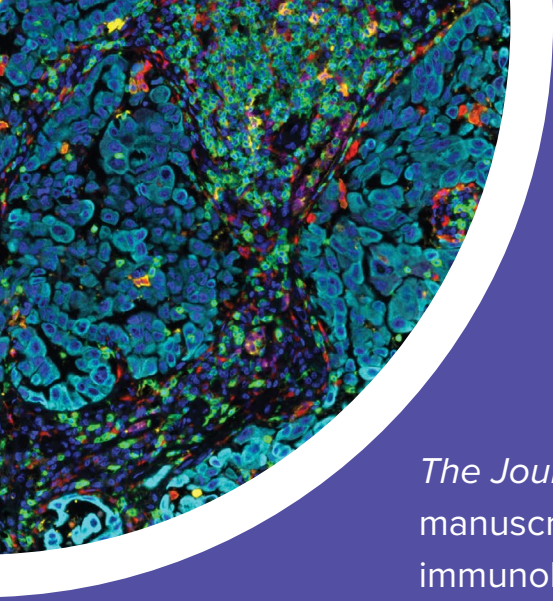
Chandrashekhar Pasare, *Cincinnati Children's Hosp. Med. Ctr., USA, AAI Program Committee Chair*



Presented to

David G. Schatz

*Yale Sch. of Med., USA
A personal, structural, and evolutionary journey with RAG*



WHY PUBLISH in *The Journal of Immunology*

The Journal of Immunology (The JI) publishes peer-reviewed manuscripts describing novel findings in all areas of experimental immunology, including both basic and clinical studies. There are many reasons to publish with *The JI*. Discover the top five:

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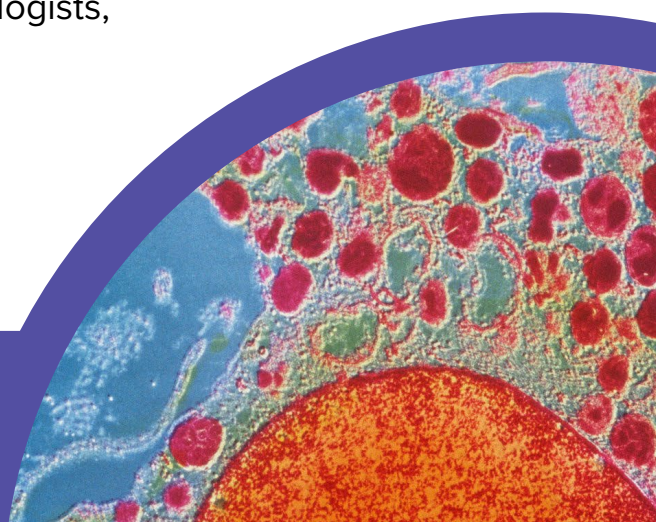
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2 - 5 November
2025

seattle.cytokinesociety.org

Abstract Submission Deadline:
18 May, 2025

DISTINGUISHED LECTURES

Chair

Chandrashekhar Pasare, Cincinnati Children's Hosp. Med. Ctr., USA,
AAI Program Committee Chair



SUNDAY, MAY 4, 5:15 PM – 6:00 PM
BALLROOM BC

Wayne M. Yokoyama

Washington Univ. Sch. of Med., St. Louis, USA
Challenging the current paradigms that explain autoimmunity



MONDAY, MAY 5, 5:15 PM – 6:00 PM
BALLROOM BC

Judy Lieberman

Boston Children's Hosp.; Harvard Med. Sch., USA
Fanning the flames: pyroptosis in infection, cancer and neurodegeneration



TUESDAY, MAY 6, 5:15 PM – 6:00 PM
BALLROOM BC

David G. Schatz

Yale Sch. of Med., USA
A personal, structural, and evolutionary journey with RAG

For descriptions and details of all sessions,
please visit [IMMUNOLOGY2025.AAI.ORG](https://immunology2025.aai.org).

MAJOR SYMPOSIA

SUNDAY, MAY 4, 7:00 AM – 10:30 AM

MAJOR SYMPOSIUM A

*FoxP3⁺ Expressing Regulatory T Cells:
Twenty-plus Years After*

BALLROOM B

Chairs

Alexander Rudensky, HHMI, Mem. Sloan Kettering Cancer Ctr., Sloan Kettering Inst., USA

Shimon Sakaguchi, iFRec, WPI, Osaka Univ., JPN

Speakers

Min-Jhen Jheng, Mayo Clin., Arizona, USA
Lung-resident CCR8⁺ ST2⁺ regulatory T cells effectively alleviate chronic type 2 airway inflammation and asthma phenotype in mice

Megan K. Levings, Univ. of British Columbia, CAN
Tolerance induction with engineered Tregs

Dan Littman, HHMI, NYU Grossman Sch. of Med., USA
Antigen presentation in the programming of intestinal T cells

Alexander Rudensky, HHMI, Mem. Sloan Kettering Cancer Ctr., Sloan Kettering Inst., USA
Genetic mechanisms of regulatory T cell differentiation and function

Shimon Sakaguchi, iFRec, WPI, Osaka Univ., JPN
Induction of regulatory T cells for immune tolerance

Lucy Walker, Univ. Col. London, GBR
CTLA-4 mediated control of autoimmunity

Jianliang Zhang, Emory Univ. Sch. of Med., USA
T-bet⁺ CXCR3⁺ VAT Tregs limit antiviral response in adipose tissue and suppress virally-induced insulin resistance

MAJOR SYMPOSIUM B

Systems Immunology and AI: Transforming Data into Predictive Immunological Insights

BALLROOM C

Chairs

Catherine Blish, Stanford Univ., USA

John Tsang, Yale Univ., USA

Speakers

Grégoire Altan-Bonnet, NCI, NIH, USA
Navigating the high-dimensional space of cancer immunotherapies

Catherine Blish, Stanford Univ., USA
Mapping cell-cell communication networks to understand host-pathogen interactions

Seongryong Kim, Korea Advanced Inst. of Sci. and Technol., KOR
Cross-tissue integration of human cell identifies common cellular phenotypes across human diseases

Sophia Liu, Ragon Inst. of MGH, MIT, & Harvard, USA
Evolution of adaptive immunity in tissues over time

Haripriya Vaidehi Narayanan, UCLA, USA
Topological measures on phylogenetic trees of the antibody repertoire reveal the underlying kinetics of B cell fate decisions

John Tsang, Yale Univ., USA
Do differences make a difference: Human immune set point and immune health

Alexandra-Chloe Villani, Massachusetts Gen. Hosp.; Harvard Med. Sch., Broad Inst. of MIT & Harvard, USA
Learning the rules of human immune tolerance through the lenses of single-cell genomics

Speakers are listed in alphabetical order. Please visit [IMMUNOLOGY2025.AAI.ORG](https://immunology2025.aai.org) for the final schedule.

MAJOR SYMPOSIA

MONDAY, MAY 5, 7:00 AM – 10:30 AM

MAJOR SYMPOSIUM C

Emerging Discoveries at Brain-Immune Interfaces

BALLROOM B

Chairs

Dorian McGavern, NINDS, NIH, USA

Anna Victoria Molofsky, UCSF, USA

Speakers

Shahab Chizari, Univ. of Pennsylvania, USA

Clonally expanded CD8⁺ T cells recognize cryptic epitopes induced by TDP-43 pathology

Gloria Choi, MIT, USA

Neuroimmune interactions shaping social behavior

Gou Young Koh, Inst. for Basic Sci., KOR

Exploring meningeal lymphatics and their connections for brain clearance and immunosurveillance

Stacie Lin, Harvard Med. Sch., USA

Autoantibody deposition in the neurovasculature promotes interferon- α release to drive neuropsychiatric lupus

Dorian McGavern, NINDS, NIH, USA

Immunological defense of dynamic vascular barriers in the meninges

Anna Victoria Molofsky, UCSF, USA

Cytokine regulation of brain development

Christoph Thaiss, Arc Inst.; Stanford Univ., USA

Environment-body-brain interactions

MAJOR SYMPOSIUM D

Memory and Effector B Cells in Health and Disease

BALLROOM C

Chairs

F. Eun-Hung Lee, Emory Univ. Sch. of Med., USA

Eric Meffre, Stanford Univ., USA

Speakers

F. Eun-Hung Lee, Emory Univ. Sch. of Med., USA

Understanding the complexity of human plasma cells

Eric Meffre, Stanford Univ., USA

B cell tolerance

Michel Nussenzweig, HHMI, Rockefeller Univ., USA

Plasma cell proliferation and antibody affinity maturation

Nichole Weidner, Univ. of Texas Med. Br., Galveston, USA

Antigen avidity drives the durability of the vaccine immune response

Jean-Claude Weill, Inst. Necker-Enfants Malades, FRA

Human memory B cells: the mystery of their longevity

Julie Zikherman, UCSF, USA

Balancing tolerance and immunity at the BCR

Speakers are listed in alphabetical order. Please visit [IMMUNOLOGY2025.AAI.ORG](https://immunology2025.aai.org) for the final schedule.

MAJOR SYMPOSIA

TUESDAY, MAY 6, 7:00 AM – 10:30 AM

MAJOR SYMPOSIUM E

Evolving Immunologic Concepts Linking Infection and Autoimmunity

BALLROOM B

Chairs

Judith James, Oklahoma Med. Res. Fndn., USA

Wei Jiang, Med. Univ. of South Carolina, USA

Speakers

Hisashi Arase, iFReC, Osaka Univ., JPN
Self and neoself discrimination by T cells in the pathogenesis of autoimmune diseases

Nada Abdel Aziz, Boston Children's Hosp., USA
B cell isoform usage alterations in systemic lupus erythematosus

Judith James, Oklahoma Med. Res. Fndn., USA
Functional and molecular mimics link Epstein-Barr virus and lupus autoimmunity

Wei Jiang, Med. Univ. of South Carolina, USA
Staphylococcus aureus peptidoglycan (PGN) induces pathogenic autoantibody production via autoreactive B cell receptor clonal selection, implications in systemic lupus erythematosus

Martin Kriegel, Univ. of Münster, DEU
Gut commensal translocation in extraintestinal autoimmunity

James J. Moon, Massachusetts Gen. Hosp.; Harvard Med. Sch., USA
T cell epitope spreading from microbial to autoantigens

Anam Shaikh, Univ. of Kansas, USA
PEP-R619W distinctly modulates persistent type-I interferon signaling to enhance DC and CD8⁺ T cell function

MAJOR SYMPOSIUM F

Innate Immunity: Initiation and Regulation

BALLROOM C

Chairs

Greg Barton, HHMI, Univ. of California, Berkeley, USA

Dan Stetson, Univ. of Washington, USA

Speakers

Grace Crossland, Dartmouth Col., USA
Mucosal-associated invariant T (MAIT) cells mediate IFN-I dependent immunosuppression in UV light-exposed skin: Implications for lupus photosensitivity

Diana C. Hargreaves, Salk Inst. for Bio. Sts., USA
BAF complexes and tumor immunity

Yung-An Huang, UCSD, USA
IL-18 receptor signaling regulates IL-17A expression in lung innate lymphoid cells during fungal allergen exposure

Lingyin Li, Arc Inst.; Stanford Univ., USA
The immunotransmitter cGAMP in cancer and autoimmunity

Pingwei Li, Texas A&M Univ., USA
The molecular basis of DNA sensing through the cGAS-STING pathway

Kensuke Miyake, Chiba Univ., JPN
Toll-like receptor responses to lysosomal nucleic acid stress

Dan Stetson, Univ. of Washington, USA
The cGAS-STING pathway as a therapeutic target

Speakers are listed in alphabetical order. Please visit [IMMUNOLOGY2025.AAI.ORG](https://immunology2025.aai.org) for the final schedule.

MAJOR SYMPOSIA

WEDNESDAY, MAY 7, 7:00 AM – 10:30 AM

MAJOR SYMPOSIUM G

Lymphatic Immunophysiology

BALLROOM B

Chairs

Gwendalyn J. Randolph, Washington Univ. Sch. of Med., St. Louis, USA

Melody Swartz, Univ. of Chicago, USA

Speakers

Sandro Da Mesquita, Mayo Clin., Florida, USA
Modulation of brain physiology and pathology by the meningeal lymphatic system

Ira Fleming, Univ. of Colorado Anschutz Med. Campus, USA
Stromal cells are targets for delivery of vaccine mRNA and can be leveraged for stable retention of foreign nucleic acid

Gwendalyn J. Randolph, Washington Univ. Sch. of Med., St. Louis, USA
Intestinal lymphatics and lymphoid tissue in gut immunophysiology

Susan R. Schwab, New York Univ. Grossman Sch. of Med., USA
Far from home: T cell migration through non-lymphoid tissues

Eric Hoyeon Song, Yale Univ., USA
Targeted lymphatic stimulation without angiogenic toxicities

Eric Hoyeon Song, Yale Univ., USA
Targeted lymphatic stimulation without angiogenic toxicities

Melody Swartz, Univ. of Chicago, USA
Lymphatic clotting and its effects on adaptive immune responses

MAJOR SYMPOSIUM H

T Cell Differentiation in Cancer

BALLROOM C

Chairs

Ana C. Anderson, Gene Lay Inst. of Immunol. and Inflammation, Brigham & Women's Hosp.; Harvard Med. Sch., USA

Mary Philip, Vanderbilt Univ. Sch. of Med., USA

Speakers

Niroshana Anandasabapathy, Weill Cornell Med., USA
PD-1 and T cell specification

Ana C. Anderson, Gene Lay Inst. of Immunol. and Inflammation, Brigham & Women's Hosp.; Harvard Med. Sch., USA
Dynamic analyses reveal novel pathways that shape T cell differentiation during tumor progression

Zachary Hay, Oregon Hlth. & Sci. Univ., USA
Androgen receptor mediated suppression of CD4⁺ T cell anti-tumor immunity

Katherine Horrigan, Univ. of Vermont, USA
Stk11-loss in lung adenocarcinoma is associated with an expansion of $\gamma\delta$ T cells with pro-tumor and immunosuppressive potential

Mary Philip, Vanderbilt Univ. Sch. of Med., USA
Early CD8⁺ T cell fate commitment in cancer and infection

Stefani Spranger, Koch Inst. for Integrative Cancer Res., MIT, USA
Not all T cell responses are equal: The role of dendritic cells in shaping anti-tumor immunity

Ben Youngblood, St. Jude Children's Res. Med. Hosp., USA
Reverse translation of patient-identified epigenetic regulators limiting durable tumor immunotherapy

Speakers are listed in alphabetical order. Please visit [IMMUNOLOGY2025.AAI.ORG](https://immunology2025.aai.org) for the final schedule.

POSTER SESSIONS AND BLOCK SYMPOSIA

Abstracts of unpublished, original research are slated for presentation at IMMUNOLOGY2025™ during Poster Sessions and Block Symposia. All abstracts are reviewed by experts in their respective areas and scheduled for presentation.

Poster Session presentations represent perhaps the most dynamic aspect of the AAI annual meetings. Take part in face-to-face discussions with abstract authors and learn about their most recent unpublished research. Poster Sessions will be held daily (*unopposed by any other session*) in the Exhibit Hall. More than 3,000 authors will be present at IMMUNOLOGY2025™ to discuss their most recent work, network with colleagues, and find the latest developments in their field.

Daily Unopposed Poster Session Hours

SUNDAY, MAY 4

10:30 AM – 11:45 AM (*Odd-numbered posterboards*)
2:15 PM – 3:30 PM (*Even-numbered posterboards*)

MONDAY, MAY 5

10:30 AM – 11:45 AM (*Odd-numbered posterboards*)
2:15 PM – 3:30 PM (*Even-numbered posterboards*)

TUESDAY, MAY 6

10:30 AM – 11:45 AM (*Odd-numbered posterboards*)
1:15 PM – 2:30 PM (*Even-numbered posterboards*)

EXHIBIT HALL

Leading scientific companies and organizations will showcase their products and services. Attendees will be able to visit booths, engage with exhibitors, and attend workshops. Plan which exhibits you wish to visit and learn more by downloading the meeting app.

Exhibit Hall Hours

SUNDAY, MAY 4 8:00 AM – 3:30 PM

MONDAY, MAY 5 8:00 AM – 3:30 PM

TUESDAY, MAY 6 8:00 AM – 3:00 PM

EXHIBIT HALL PASSPORT PROGRAM

Look in your meeting bag for the “AAI Passport to Prizes” and get it stamped by exhibitors throughout the exhibit hall. Return your fully-stamped passport to the dropbox at the AAI Booth before 1:15 PM on Tuesday, May 6. Three lucky winners will receive a \$250 gift card! The drawing will be held during the Poster Session on Tuesday, May 6, from 1:15 PM – 2:30 PM. Replacement passports can be found at the AAI Booth.

EXHIBITOR WORKSHOPS

Be sure to take advantage of the knowledge-building opportunities presented in Exhibitor Workshops. Located on the Exhibit Floor, these workshops explore companies’ latest technologies, products, and services through presentations, demonstrations, and discussions.

Workshops are planned and conducted by exhibitors; the listing of these workshops does not constitute endorsement of any products or services by AAI.



WHAT'S NEW AT IMMUNOLOGY2025™

This year, AAI is introducing new and exciting events and initiatives to make your conference experience better than ever before. We have new experiences in store for everyone! Here's what you can expect in Honolulu:

First Things First: An Insider's Guide to IMMUNOLOGY2025™

SATURDAY, MAY 3, 10:30 AM – 12:00 PM

This event is designed to help new members and first-time attendees learn how to navigate and make the most of the meeting. The scientific program, social events, posters, exhibit hall, using the meeting app, and collaboration/networking opportunities will all be covered. The first part of the event will be informational, followed by a networking session. This is a can't-miss event, whether it is your first or twenty-first AAI annual meeting!

First Things First is a ticketed event. Tickets can be purchased online when you register for IMMUNOLOGY2025™ or onsite at Registration.

Major Hangout Complexes

Stop by MHC I and MHC II, our Major Hangout Complexes! New for 2025, these two dedicated collaboration zones are the perfect spots to connect with other attendees in planned or spontaneous gatherings based on your research interests. No chaperone molecules required!

Meeting Ambassadors

Attending a large meeting like IMMUNOLOGY2025™ for the first time can be daunting. That's why AAI is recruiting volunteers to serve as Meeting Ambassadors and help first-time attendees throughout the meeting.

Share tips, invite someone to walk through the poster session with you, and encourage networking. Contact meetings@aai.org for more information on how you can participate!

AAI Presentation Theater

The AAI booth in the exhibit hall will feature a presentation theater hosting a full schedule of events to help you make the most of your membership. Look out for updates as we finalize the schedule.

Real-Time Transcription and Translation Service

As part of our commitment to inclusivity and accessibility, AAI is providing real-time transcription and translation via Wordly at select sessions. At these sessions, live captions will be displayed on-screen for all podium speakers, and real-time translation into 60+ languages will be available through the meeting app. These services will be available both during presentations and in question-and-answer periods.

Childcare Awards

AAI is offering childcare awards to attendees to assist in the expense of childcare during the meeting. We will be able to help approximately three times more families than in previous years. More details about this new program will be available on the meeting website.

Sustainability Initiatives

AAI is committed to reducing our environmental impact through various sustainability initiatives throughout the meeting, including water bottle reuse incentives, badge recycling, sustainable signage, donation of unused materials, and food rescue programs to support the Hawaiian community.

What should I wear in Hawai'i?

Dress code is "resort wear" even at the most luxurious resorts and restaurants. There is usually no need to bring a formal coat or tie. Please dress for comfort. T-shirts, tank tops, polo shirts, shorts, jeans, sundresses, sneakers, and sandals are all good choices. Temperatures are cooler in the evening (as well as in the Convention Center), making pairing a light sweater or shawl with slacks a good idea. To help plan your trip, visit www.gohawaii.com/trip-planning to learn more.

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July 8-13, 2025

UCLA Luskin Conference Center, Los Angeles, CA

This two-part course provides a comprehensive overview of the basics of immunology. The course provides valuable context for scientists new to the discipline or those seeking to enhance their general biology or science training.

In Part I, delve into the basic principles of immunology. Learn from leading experts as they shine a light on the complexities of the immune system's mechanisms and functions.

Part II explores the clinical relevance of immunology. Leading experts detail how immunology research translates into new approaches to clinical treatment.

AAI 2025 Advanced Course in Immunology

July 27-August 1, 2025

Westin Copley Place, Boston, MA

This intensive course for immunologists presents recent research advances in understanding the biology of the immune system and how this will shape treatment of disease and the future of the field. Expect to learn about cutting-edge research across innate immune cells, gene regulation, inflammatory mediators, lymphocyte development and memory, tumor immunology and immunotherapy, including CAR T cells, and much more.

The course is designed for trainees, scientists, and practitioners who already have a firm understanding of the principles of immunology and want to understand the latest developments in the field.

LEARN MORE AND REGISTER: [aai.org/Education/Courses](https://www.aai.org/Education/Courses)

IMMUNOLOGY2025™

THE 108TH ANNUAL MEETING OF THE AMERICAN ASSOCIATION OF IMMUNOLOGISTS



Join the Gala at IMMUNOLOGY2025™

TUESDAY, MAY 6, 2025 | 6:30 PM – 9:30 PM

HILTON HAWAIIAN VILLAGE, GREAT LAWN
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The Festivities

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