

IMMUNOLOGY2023™

THE 106TH ANNUAL MEETING OF
THE AMERICAN ASSOCIATION OF IMMUNOLOGISTS



**CALL FOR
ABSTRACTS**



THURSDAY, MAY 11 – MONDAY, MAY 15, 2023 | WASHINGTON, DC

WWW.IMMUNOLOGY2023.ORG

PRESIDENT'S PROGRAM



President's Address

THURSDAY, MAY 11, 5:00 PM – 6:15 PM

My Immunology Adventures

Presentation of AAI Lifetime Achievement Award and Acknowledgment of Distinguished Fellows of AAI Class of 2023

Mark M. Davis, HHMI, Stanford Univ. Sch. of Med., AAI President

President's Symposium

SUNDAY, MAY 14, 12:30 PM – 2:30 PM

Frontiers of Human Immunology

Presentation of AAI Excellence in Mentoring Award

Chair

Mark M. Davis, HHMI, Stanford Univ. Sch. of Med., AAI President

Speakers



Pamela J. Bjorkman

Caltech

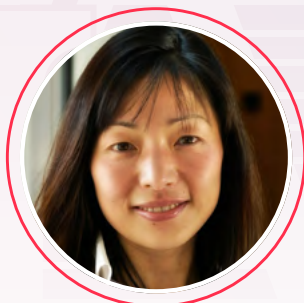
Mosaic RBD nanoparticles protect against diverse sarbecovirus challenges in animal models



Petter Brodin

Imperial Col. London

Human immune system development



Akiko Iwasaki

HHMI, Yale Sch.

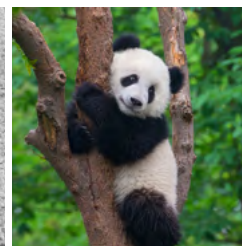
*of Med.
Immune responses to SARS-CoV-2*



Bali Pulendran

Stanford Univ.

Systems biological analysis of immunity to infection and vaccination



DISTINGUISHED LECTURES



FRIDAY, MAY 12
6:00 PM – 6:45 PM

Douglas R. Green

St. Jude Children's Res. Hosp.

Start me up: early events in T cell activation influence long-term cell fate



SATURDAY, MAY 13
6:00 PM – 6:45 PM

Carla V. Rothlin

Yale Sch. of Med.

Principles of resolving and non-resolving inflammation



SUNDAY, MAY 14
6:00 PM – 6:45 PM

Leslie J. Berg

Univ. of Colorado Sch. of Med.

Linking variations in T cell receptor signaling to changes in gene expression and T cell function

CAREER AWARDS PRESENTATIONS AND LECTURES

Each year, AAI recognizes the extraordinary professional achievements and career promise of its members. The recipients of the following AAI Career Awards will receive their awards during the meeting.

AAI Lifetime Achievement Award

Presented prior to President's Address

Recognizes a member for a career of extraordinary scientific achievement and exceptional leadership and service to AAI

AAI Distinguished Service Award

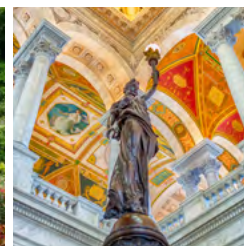
Presented at AAI Business Meeting

Recognizes members for outstanding service to the AAI community and the immunology field

AAI Excellence in Mentoring Award

Presented prior to President's Symposium

Recognizes exemplary career contributions to a future generation of scientists



Distinguished Fellows of AAI Class of 2023

Presented prior to President's Address

Recognizes long-term members for excellence in research, exceptional leadership, and/or notable distinction as an educator

NEW! AAI ASPIRE Award and Symposium

Recognizes outstanding early career investigators for research accomplishments and professional promise in the field

AAI-Thermo Fisher Meritorious Career Award and Lecture

Recognizes a mid-career scientist for outstanding research contributions to the field of immunology

AAI-Steinman Award for Human Immunology Research and Lecture

Recognizes an individual who has made significant contributions to the understanding of immune processes underlying human disease pathogenesis, prevention, or therapies

AAI-BioLegend Herzenberg Award and Lecture

Recognizes an individual who has made exemplary research contributions to the field of B cell biology

AAI-BD Biosciences Investigator Award and Lecture

Recognizes an early career investigator who has made outstanding contributions to the field of immunology



AAI Vanguard Award and Lecture

Recognizes an AAI member investigator selected by the Minority Affairs Committee for their scientific achievement and exemplary career success

Robert J. Binder

*Univ. of Pittsburgh
Key pathways in
immunosurveillance
of cancer*

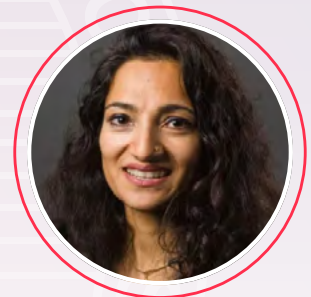


FASEB Excellence in Science Lifetime Achievement Award and Lecture

Recognizes excellence, innovation, leadership, and mentorship of a female established investigator whose research has contributed significantly to a particular discipline in biological science

Arlene H. Sharpe

Harvard Med. Sch.

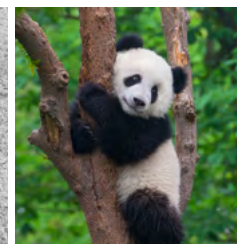


FASEB Excellence in Science Early-Career Investigator Award and Lecture

Recognizes excellence, innovation, leadership, and mentorship of a female early career investigator whose research has contributed significantly to a particular discipline in biological science

Smita Krishnaswamy

Yale Univ.



MAJOR SYMPOSIA

FRIDAY, MAY 12, 8:00 AM – 11:30 AM

MAJOR SYMPOSIUM A

Peripheral Neuroimmune Interactions

Chairs

Daniel Mucida, *Rockefeller Univ.*

Esther Borges Florsheim, *Arizona State Univ.*

MAJOR SYMPOSIUM B

Cell Death and Immunity: Caspases and Beyond

Chairs

Francis K. Chan, *Duke Univ.*

Sunny Shin, *Univ. of Pennsylvania Perelman Sch. of Med.*

SATURDAY, MAY 13, 8:00 AM – 11:30 AM

MAJOR SYMPOSIUM C

Mechanisms of Innate Immune Memory and Tissue Adaptation

Chairs

Shruti Naik, *New York Univ. Grossman Sch. of Med.*

Joseph C. Sun, *Memorial Sloan Kettering Cancer Ctr.*

MAJOR SYMPOSIUM D

Aging, Obesity, and Adverse Immune Responses

Chairs

Lydia Lynch, *Brigham and Women's Hosp.*

Andrew E. Hogan, *Maynooth Univ., Ireland*

SUNDAY, MAY 14, 8:00 AM – 11:30 AM

MAJOR SYMPOSIUM E

Engineering at the Interface of Immunology and Immunotherapy

Chairs

Jeffrey A. Hubbell, *Univ. of Chicago*

Susan N. Thomas, *Georgia Tech*

MAJOR SYMPOSIUM F

Environmental Drivers of Myeloid Cells

Chairs

Jessica A. Hamerman, *Benaroya Res. Inst.*

De'Broski R. Herbert, *Univ. of Pennsylvania Sch. of Vet. Med.*

MONDAY, MAY 15, 8:00 AM – 11:30 AM

MAJOR SYMPOSIUM G

Mucosal Immunity in Health and Disease

Chairs

Ivaylo I. Ivanov, *Columbia Univ.*

Manuela Raffatellu, *Univ. of California, San Diego*

MAJOR SYMPOSIUM H

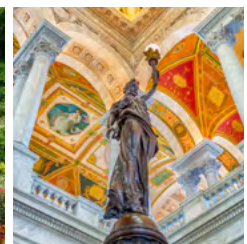
Immunity to Emerging Pathogens: COVID-19 and Beyond

Chairs

James E. Crowe Jr., *Vanderbilt Vaccine Ctr.*

Laura M. Walker, *Invivyd*

All session information is subject to change. Please visit www.IMMUNOLOGY2023.org for the most up-to-date scientific program information.

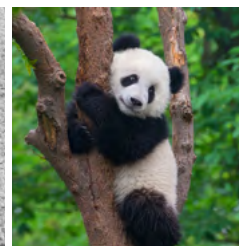


GUEST SESSIONS

(Past Participants)

Each year, the AAI annual meeting is joined by NIH institutes and national and international guest societies that sponsor dynamic symposia featuring specialty areas of immunology and related disciplines.

- American Society of Transplantation (AST)
- American Society for Tropical Medicine and Hygiene (ASTMH)
- Black In Immuno
- Canadian Society for Immunology (CSI)
- Chinese Society of Immunology (CSI)
- Chinese Society of Immunology, Taiwan (CSIT)
- European Federation of Immunological Societies (EFIS)
- German Society for Immunology (DGfI)
- International Cytokine and Interferon Society (ICIS)
- International Society of Developmental and Comparative Immunology (ISDCI)
- International Society of Neuroimmunology (ISNI)
- Japanese Society for Immunology (JSI)
- Korean Association of Immunologists (KAI) and Association of Korean Immunologists in America (AKIA)
- Mexican Society for Immunology (MSI)
- National Cancer Institute (NCI), NIH
- National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), NIH
- National Institute of Allergy and Infectious Diseases (NIAID), NIH
- National Institute of Environmental Health Sciences (NIEHS), NIH
- National Institute on Aging (NIA), NIH
- Society for Immunotherapy of Cancer (SITC)
- Society for Mucosal Immunology (SMI)
- Society for Natural Immunity (SNI)



COMMITTEE-SPONSORED SESSIONS AND EVENTS

AAI Committees host symposia, workshops, lectures, and events that address the most recent advances in their specialty areas of immunology research, as well as issues in public policy and career development.

Clinical Immunology Committee

Human Immunological Diseases and Pathologies; Current Standards of Care, Mechanisms of Action, and Unmet Needs

Committee on Public Affairs

“My Lab is Recruiting Postdocs:” Policy Approaches to Address the Needs of Today’s Biomedical Research Workforce

Committee on the Status of Women and Education Committee

Careers in Science Lecture and Roundtables

Education Committee

Careers in Biotech: Panel Discussion and Networking; Immunology Teaching Interest Group; Sip and Learn: Speed Networking with Immunology Educators (Co-sponsored by *ImmunoHorizons*)

Membership Committee

New Member Reception (by invitation only)

Minority Affairs Committee

Careers Roundtables and Speed Networking Session; MAC Social Hour (*by invitation only*); AAI Vanguard Award and Lecture

Program Committee

Back to School: A Review of Four Fast-Moving Fields

Publications Committee

AAI Journals’ Most-Read Papers: Update on the Science

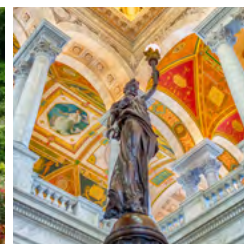
Veterinary Immunology Committee

Immunological Approaches to (Re)emerging and Global Zoonotic Threats

CAREER DEVELOPMENT OPPORTUNITIES

Through workshops, presentations, roundtables, and one-on-one counseling, **IMMUNOLOGY2023™** will provide the following career development programs:

- How to Convert Your CV into a Résumé
- How to Convert Your CV into a Résumé: One-on-One Consultation
- How to Have a Successful Postdoctoral Experience
- Interviewing for a Job
- Jobs Board
- NIH Grants Workshop: Demystifying the Grant Application Submission, Review, and Funding Processes
- NIH Grant Review and Funding Information Room
- and more!



ABSTRACTS

AAI invites the submission of abstracts that report new scientific research developments in all areas of immunology. Abstracts are welcome from scientists in all sectors—academia, government, and industry.

All accepted abstracts will be programmed into **Poster Sessions**. Outstanding abstracts will be programmed for podium presentations in **Block Symposia**. **Submitting authors may indicate their preference to present only a poster during the abstract submission process.**

To submit an abstract, please visit
www.IMMUNOLOGY2023.org/abstracts.

Abstract Submission Opens: November 1, 2022
Abstract Submission Closes: December 19, 2022

Abstract Submission Fees

AAI Member \$90 | Nonmember \$110
Abstract submission fees are non-refundable. Please note that meeting registration is a separate process, and the registration fee is an additional charge.

Abstract Submission Topic Categories

For details on what the following topics include, visit
www.IMMUNOLOGY2023.org/abstracttopics.

- Antigen Processing and Presentation
- Basic Autoimmunity
- Cellular Adhesion, Migration, and Inflammation

- **NEW!** Corporate Immunology
- Cytokines and Chemokines and Their Receptors
- Hematopoiesis and Immune System Development
- Immediate Hypersensitivity, Asthma, and Allergic Responses
- Immune Mechanisms of Human Disease
- Immune Response Regulation: Cellular Mechanisms
- Immune Response Regulation: Molecular Mechanisms
- Immunology Education
- Innate Immune Responses and Host Defense: Cellular Mechanisms
- Innate Immune Responses and Host Defense: Molecular Mechanisms
- Lymphocyte Differentiation and Peripheral Maintenance
- Microbial, Parasitic, and Fungal Immunology
- Mucosal and Regional Immunology
- Technological Innovations in Immunology
- Therapeutic Approaches to Autoimmunity
- Transplantation Immunology
- Tumor Immunology
- Vaccines and Immunotherapy
- Veterinary and Comparative Immunology
- Viral Immunology

At IMMUNOLOGY2022™, 538 abstracts were programmed for podium presentations in Block Symposia.

IMPORTANT

For submission guidelines and details on abstract topic categories, visit
www.IMMUNOLOGY2023.org/abstracts.

PUBLICATION OF ABSTRACTS

All successfully presented abstracts will be published in an online supplement to
The Journal of Immunology.



BLOCK SYMPOSIA

Accepted abstracts of unpublished, original research are programmed for presentation at **IMMUNOLOGY2023™** during Poster Sessions and Block Symposia. All abstracts are reviewed by committees of experts in their respective areas and all accepted abstracts are scheduled for presentation in Poster Sessions. Outstanding abstracts are selected and scheduled for podium presentation in Block Symposia.

POSTER SESSIONS

Posters will rotate daily and will be available for viewing on Friday and Saturday from 9:30 AM to 4:30 PM and on Sunday from 9:30 AM to 4:00 PM in the Exhibit Hall. First authors will be present to discuss their work during daily poster sessions between 2:30 PM and 3:45 PM, unopposed by any other sessions.

If you wish to submit an abstract, visit www.IMMUNOLOGY2023.org/abstracts. Please note:

- All accepted abstracts, including those selected for podium presentation, are required to be presented as a poster.
- Each poster is viewable for one day only.
- Presenters are to place their posters on their assigned space between 7:30 AM and 9:30 AM on their scheduled day.
- All first authors must be present at their poster between the hours of 2:30 PM and 3:45 PM on their assigned day.
- Posters are to remain up until 3:45 PM. Please remove posters presented on Friday and Saturday no later than 4:30 PM. Please remove posters presented on Sunday no later than 4:00 PM. Posters not removed will be discarded.
- Taking videos or photographs of posters without author permission is forbidden. Authors are allowed to photograph/video their own posters.

Daily Unopposed Poster Presentation Times

Friday through Sunday: 2:30 PM – 3:45 PM

Travel Awards and Grants

More than 600 AAI members received AAI travel awards in 2022! To be eligible for these awards, individuals must be members of AAI at the time of abstract submission. Details about **IMMUNOLOGY2023™** awards can be found at www.aai.org/TravelAwards.

To be eligible, join AAI or renew your membership for 2023 and submit your abstract by December 19, 2022.

To renew or become an AAI member, visit www.aai.org/membership/join.

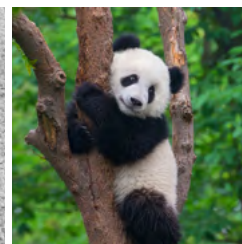


EXHIBIT HALL

Open Friday and Saturday from 9:30 AM – 4:30 PM and Sunday from 9:30 AM – 4:00 PM

Leading scientific companies and organizations will showcase their products and services.

Returning this year is the “AAI Passport to Prizes Raffle” for attendees visiting the Exhibit Hall. Three lucky winners will receive a \$250 gift card!

Plan which exhibits you wish to visit and learn more by viewing the interactive Exhibit Floor Plan at www.IMMUNOLOGY2023.org/exhibitors.

EXHIBITOR WORKSHOPS

Take advantage of the knowledge-building opportunities presented in Exhibitor Workshops. Located on the Exhibit Floor, these workshops explore the newest technologies, techniques, products, and services through presentations, demonstrations, and discussions.

Workshops are planned and conducted by exhibitors. These sessions do not constitute endorsement of any product or service by AAI.



MEET THE EXHIBITORS ONLINE!

Visit www.IMMUNOLOGY2023.org to learn about all the exciting new products and services you will see at **IMMUNOLOGY2023™**.

JOBS BOARD

Post Online and Meet On-site

AAI offers pre-meeting and on-site career services to job seekers and employers through the Jobs Board—free for meeting attendees and exhibitors. Jobs Board submission information will be available online in February 2023. **Take advantage of this free career service for attendees and exhibitors!**



SOCIAL EVENTS

THURSDAY, MAY 11, 4:00 PM – 4:45 PM

New Member Reception

Sponsored by the Membership Committee

By invitation only

Are you a new AAI Regular, Associate, or Postdoctoral Fellow member? Please join us for a special reception welcoming you to AAI and perhaps your very first AAI annual meeting! AAI President Mark Davis will say a few words, and you will have the opportunity to meet and mingle with AAI Council members, AAI staff, members of the Membership Committee, and other fellow new members! **Light refreshments will be served. Badge and ticket required.**

THURSDAY, MAY 11, 6:15 PM – 7:30 PM

IMMUNOLOGY2023™ Opening Night Welcome Reception

Following the President's Address, join the **Opening Night Welcome Reception** in the convention center. Connect with friends, make new acquaintances, plan your week, and enjoy beautiful views of our nation's capital city. One complimentary drink ticket is included and attached to your name badge.

Registered attendees only. Attendees must be 21 years of age or older.

FRIDAY, MAY 12, 7:00 PM – 8:30 PM

Minority Affairs Committee (MAC) Social Hour

Sponsored by the MAC

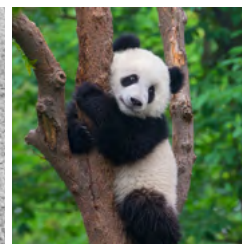
By invitation only

One of the most important and meaningful aspects of the annual meeting is connection! The MAC Social Hour is an evening gathering for participants in the annual MAC Careers Roundtables session to reconvene for relaxed, informal networking. This event brings attendees together to make career-changing connections (and new friends) with peers, mentors, and senior scientists representing the diversity of AAI and the meeting. Soft drinks and hors d'oeuvres will be served. **Badge and invitation required. Invitations will be issued to meeting attendees registered to attend the MAC Careers Roundtables and Speed Networking Session.**

SUNDAY, MAY 14, 7:30 PM – 10:00 PM

IMMUNOLOGY2023™ GALA

We are hard at work finalizing the location for the **IMMUNOLOGY2023™** Gala! Please check www.IMMUNOLOGY2023.org for forthcoming details. Tickets will be available for purchase during the registration process. **Attendees must be 21 years of age or older.**



REGISTRATION

Early Registration Opens: December 6, 2022

Early Registration Deadline: March 31, 2023

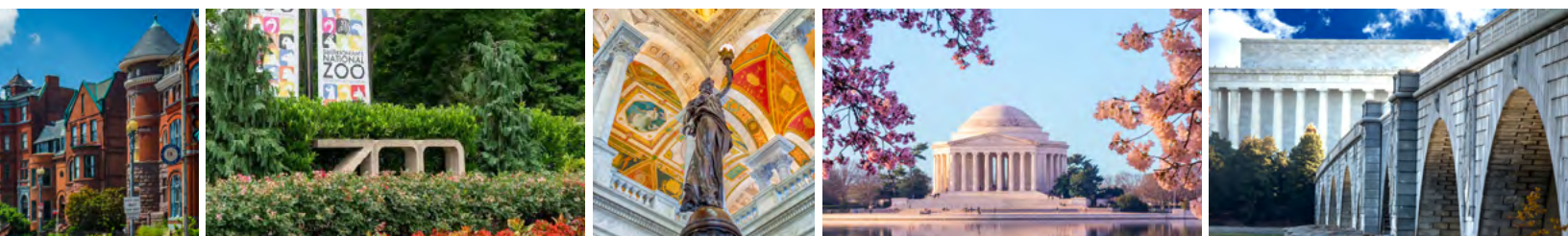
The registration fee covers entrance to scientific sessions, poster hall, exhibits, the Opening Night Welcome Reception, and the printed Meeting Guide. Visit www.IMMUNOLOGY2023.org/register for complete details.

AAI members are eligible for member discounts! Registrants must be members at the time of registration to qualify for discounts. Visit www.aai.org/membership/join to join or renew. Direct inquiries to members@aai.org.

REGISTRATION CATEGORIES AND FEES		Early Registration December 6 – March 31	Advance Registration April 1 – May 10	On-site Registration May 11 or later	
MEMBERS*	Regular or Associate	\$450	\$550	\$650	
	Postdoc	\$340	\$440	\$540	
	Emeritus	\$250	\$300	\$350	
	Young Professional/ Post-Baccalaureate Student	\$340	\$440	\$540	
	Graduate Student	\$120	\$145	\$180	
	Undergraduate Institution Faculty	\$340	\$440	\$540	
	Undergraduate Student	\$25	\$50	\$75	
NONMEMBERS*	Regular or Associate	\$730	\$830	\$930	
	Postdoc**	\$700	\$800	\$900	
	Young Professional/ Post-Baccalaureate Student **	\$700	\$800	\$900	
	Take advantage of reduced rates by becoming a member before registering!	Graduate Student**	\$195	\$225	\$260
	Undergraduate Institution Faculty**	\$700	\$800	\$900	
	Undergraduate Student**	\$80	\$110	\$130	
	High School Teachers**	\$50	\$50	\$50	
	High School Students**	\$25	\$25	\$25	

* Registrants must be members through December 31, 2023, at the time of registration to qualify for the lowest rates. Registrants who renew or become members after registering for the meeting will not be refunded the difference in rates. Visit www.aai.org/membership/join to join/renew or direct any inquiries to members@aai.org.

** Contact meetings@aai.org to register.

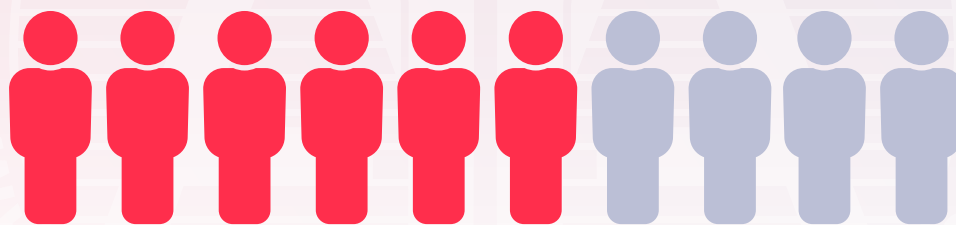


IMPORTANT DATES AND DEADLINES

Abstract Submission Opens	November 1, 2022
Abstract Submission Closes	December 19, 2022
Travel/Grant Applications Open	November 1, 2022
Travel/Grant Applications Close	December 19, 2022
Registration Opens	December 6, 2022
Early Registration Discount Ends	March 31, 2023

Join us Thursday, May 11 – Monday, May 15, 2023
in Washington, DC, for GREAT SCIENCE!

Visit www.IMMUNOLOGY2023.org to view the full program.



Nearly 60 percent of AAI member abstract submitters receive travel awards to the AAI meeting. Apply now, and don't miss your opportunity to be a part of the world's leading annual all-immunology meeting at

IMMUNOLOGY2023™!

