

THE 107TH ANNUAL MEETING OF
THE AMERICAN ASSOCIATION OF IMMUNOLOGISTS



#### **NEW THIS YEAR!**

- ◆ Abstract submission dates are earlier than usual
- Abstract submission is free for AAI members
- AAI trainee members (graduate students and postdoctoral fellows only) can submit for selection to present in Major Symposia

FRIDAY, MAY 3 - TUESDAY, MAY 7, 2024

MCCORMICK PLACE, WEST HALL | CHICAGO, IL

IMMUNOLOGY2024.AAI.ORG

THE 107<sup>TH</sup> ANNUAL MEETING OF THE AMERICAN ASSOCIATION OF IMMUNOLOGISTS

### PRESIDENT'S PROGRAM



AAI President's Address FRIDAY, MAY 3, 5:00 PM - 6:15 PM

**Learning Immunology from Viral Infections** 

Presentation of AAI Lifetime Achievement Award and acknowledgment of Distinguished Fellows of AAI Class of 2024

Akiko lwasaki, HHMI, Yale Sch. of Med., USA, AAI President

Introduction

Ronald N. Germain, NIAID, NIH, USA

#### **AAI President's Symposium**

MONDAY, MAY 6, 3:30 PM - 5:30 PM

The Immune System in Tissue Homeostasis and Disease

Presentation of AAI Excellence in Mentoring Award

#### Chair

Akiko lwasaki, HHMI, Yale Sch. of Med., USA, AAI President

#### **Speakers**



Yasmine Belkaid NIAID, NIH, USA Microbiome control of host immunity



Susan M. Kaech
Salk Inst. for Bio. Sts., USA
Fueling T cell fate
decisions during infection



Miriam Merad
Icahn Sch. of Med. at
Mount Sinai, USA
Targeting the myeloid
lineage in cancer



Diane J. Mathis
Harvard Med. Sch., USA
Treg control of tissue
homeostasis











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### **DISTINGUISHED LECTURES**



SATURDAY, MAY 4 6:00 PM - 6:45 PM Christopher A. Hunter Univ. of Pennsylvania Sch. of Vet. Med., USA



SUNDAY, MAY 5 6:00 PM - 6:45 PM Marco Colonna Washington Univ. Sch. of Med., St. Louis, USA



MONDAY, MAY 6 6:00 PM - 6:45 PM Shannon J. Turley Genentech, USA

### **CAREER AWARDS PRESENTATIONS**

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 2024

#### Presented prior to President's Address

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











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## 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 at select events.

### **AAI ASPIRE Awards and Symposia**

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

## AAI-BD Biosciences Investigator Award and Lecture

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

## AAI-BioLegend Herzenberg Award and Lecture

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

## **NEW!** AAI Lancefield Mid-Career Achievement Award and Lecture

Sponsored by the AAI Committee on the Status of Women

Recognizes one outstanding mid-career woman investigator for research and leadership within the field

### **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-Thermo Fisher Meritorious Career Award and Lecture

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

#### **AAI Vanguard Award and Lecture**

Sponsored by the AAI Minority Affairs Committee

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











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## **MAJOR SYMPOSIA**

New for **IMMUNOLOGY2024™**, Major Symposia will include trainee presentations selected from submitted abstracts. See "Abstracts" (page 8) for details.

#### Context Is Everything—Extrafollicular B Cell Responses: the Good and the Bad

#### **Chairs**

**Frances E. Lund**, *Univ. of Alabama, Birmingham, USA* **Nicole Baumgarth**, *Johns Hopkins Univ. Bloomberg Sch. of Pub. Hlth., USA* 

#### **Great Expectations: Immunology of Pregnancy**

#### Chairs

Sing Sing Y. Way, Cincinnati Children's Hosp. Med. Ctr., USA Adrian Erlebacher, Univ. of California, San Francisco, USA

## Immune Responses to Chronic Viral, Bacterial, Fungal, and Parasitic Infections

#### Chairs

**Christina L. Stallings**, Washington Univ. Sch. of Med., St. Louis, USA

Paul G. Thomas, St. Jude Children's Res. Hosp., USA

## Incorporating Time and Space into Multi-omic Systems Immunology Analyses

#### **Chairs**

Ronald N. Germain, NIAID, NIH, USA
M. Virginia Pascual, Weill Cornell Med., USA

## New Insights into Thymic Selection, Tolerance, and Regeneration

#### **Chairs**

**Kristin A. Hogquist**, *Univ. of Minnesota Med. Sch., USA* **Adrian C. Hayday**, *King's Col. London Faculty of Life Sci. & Med., GBR* 

Recent Breakthroughs and Emerging Therapeutic Strategies for Chronic Inflammatory and Fibrotic Diseases

#### **Chairs**

Thomas A. Wynn, Pfizer, USA

Joanne L. Viney, Seismic Therapeut., USA

## Sub-cellular Compartment Signaling in the Regulation of Immune Responses

#### **Chairs**

**Erika L. Pearce**, Johns Hopkins Univ. Sch. of Med., USA **Will Bailis**, Children's Hosp. of Philadelphia, USA

### Unleashing Targets for Novel Cancer Immunotherapies: Beyond T Cell Checkpoints

#### Chairs

José R. Conejo-Garcia, Duke Univ. Sch. of Med., USA Paulo C. Rodriguez, Moffitt Cancer Ctr., USA

All session information is subject to change. Please visit IMMUNOLOGY2024.aai.org for the most up-to-date program information.











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### **GUEST SYMPOSIA**

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.

#### Last year's participants included:

- American Society of Transplantation (AST)
- American Society of Tropical Medicine and Hygiene (ASTMH)
- Canadian Society for Immunology (CSI)
- Chinese Society of Immunology, Taiwan (CSIT)
- European Federation of Immunological Societies (EFIS)
- German Society for Immunology (DGfl)
- International Complement Society (ICS)
- International Cytokine and Interferon Society (ICIS)
- ◆ International Society of Neuroimmunology (ISNI)
- ♦ Korean Association of Immunologists and Association of Korean Immunologists in America (KAI & AKIA)
- ♦ National Institute of Allergy and Infectious Diseases (NIAID, NIH)
- National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS, 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)











## **MMUNOLOGY2**(

## **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**

Special Topics in Clinical Immunology

#### **Committee on Public Affairs**

Committee on Public Affairs special session

#### **Committee on the Status of Women**

- Careers in Science Lecture and Roundtables
- AAI Lancefield Mid-Career Achievement Award and Lecture

#### **Education Committee**

- Careers in Biotech: Panel Discussion and Networking
- Immunology Teaching Interest Group
- Sip and Learn: Speed Networking with Immunology Educators (co-sponsored with *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**

- Spotlight on AAI Journals
- How to Review a Manuscript

#### **Public Communications Committee**

How to Give an Effective Media Interview

#### **Veterinary Immunology Committee**

◆ Technologies that Enhance the Application of Non-traditional Animal Models for Improved Translational Research













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### CAREER DEVELOPMENT OPPORTUNITIES

In addition to the committee-sponsored sessions listed on page 7, **IMMUNOLOGY2024**™ offers many additional opportunities for career development. Typical career development sessions have included:

- 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**

#### **NEW THIS YEAR!**

- ♦ Abstract submission dates are earlier than usual
- Abstract submission is free for AAI members
- AAI member graduate students and postdoctoral fellows can submit for selection to present in Major Symposia

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, industry, and nonprofit. To submit an abstract, please visit IMMUNOLOGY2024.aai.org/abstracts.

### **Trainees Invited to Present in Major Symposia!**

We are very excited to offer **AAI** trainee members (graduate students and postdoctoral fellows only) the opportunity to be selected to present their research in **IMMUNOLOGY2024™ Major Symposia**. Speakers will be selected from AAI trainee member-submitted abstracts.

To be considered, the trainee must be the first author of the abstract; a current AAI member at the time of abstract submission; and, if selected in March, a member through December 31, 2024.

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











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### **ABSTRACTS**

## ABSTRACT SUBMISSION DATES ARE EARLIER THIS YEAR!

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

#### **Abstract Submission Fees**

AAI Member: Complimentary ◆ Nonmember: \$140 Abstract submission fees are non-refundable. Please note that meeting registration is a separate process, and the registration fee is an additional charge. Visit www.aai.org/membership/join to join/renew.

#### **Abstract Submission Topics**

For details on subjects included in the following topic categories, visit IMMUNOLOGY2024.aai.org/abstracts/topic-categories.

- Antigen Processing and Presentation
- Basic Autoimmunity
- ♦ Cellular Adhesion, Migration, and Inflammation
- 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 IMMUNOLOGY2023™, 570 abstracts were programmed for podium presentations in Block Symposia.

#### **IMPORTANT**

For submission guidelines and details on abstract topic categories, visit IMMUNOLOGY2024.aai.org/abstracts.

#### **PUBLICATION OF ABSTRACTS**

All successfully presented abstracts will be published in a supplement to *The Journal of Immunology*.











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## MAJOR SYMPOSIA AND BLOCK SYMPOSIA

All submitted abstracts are reviewed by experts in their respective areas, and all accepted abstracts will be scheduled for presentation in **IMMUNOLOGY2024™** Poster Sessions! Select abstracts that are deemed outstanding will also be scheduled for podium presentation in Block Symposia.

New this year, AAI trainee members (graduate students and postdoctoral fellows only) have the opportunity to present their research in one of 16 slots in Major Symposia. To be considered, the trainee must be the first author of the abstract; a current AAI member at the time of abstract submission; and, if selected in March, a member through December 31, 2024.

### POSTER SESSIONS

#### New for IMMUNOLOGY2024™!

Enjoy twice as much time to interact with poster presenters! Poster presenters, take advantage of the opportunity to see other posters related to your research! All Poster Sessions will be split into two blocks daily. Odd numbered posters will be presented during the first block; even numbered posters will be presented during the second block. All posters will be viewable for the entire day. For additional details, please visit IMMUNOLOGY2024.aai.org/abstracts.

#### **Daily Unopposed Poster Presentation Times**

- Early Afternoon Session (odd numbered posters):
   Saturday through Monday, 11:30 AM 12:45 PM
- Late Afternoon Session (even numbered posters):
   Saturday and Sunday, 3:15 PM 4:30 PM
   Monday, 2:15 PM 3:30 PM





For abstract submission and presentation guidelines, visit IMMUNOLOGY2024.aai.org/abstracts.

Please note:

- All accepted abstracts, including those selected for podium presentation in Major Symposia or Block Symposia, are required to be presented as a poster.
- Posters are viewable for one day only.
- Presenters are to place their posters in their assigned space between 7:00 AM and 9:00 AM on their scheduled day.
- All first authors must be present at their poster during the designated day/hours for the block to which they are assigned.
- Presenters will be notified of their presentation time in the Invitation to Present email to be sent in March 2024.
- On Saturday and Sunday, posters must be removed between 4:30 PM and 5:00 PM. On Monday, posters must be removed between 3:30 PM and 4:00 PM. Posters not removed will be discarded.
- Taking photos or videos of posters without author permission is forbidden. Authors are allowed to photograph/video their own posters.











## MMUNOLOGY20

### TRAVELAWARDS AND GRANTS

Nearly 700 AAI members received AAI travel awards in 2023! To be eligible for these awards, individuals must be members of AAI at the time of abstract submission and through December 31, 2024. Details about IMMUNOLOGY2024™ awards can be found at www.aai.org/Awards.

If you are not already a member, join AAI before you submit your abstract to be eligible for a travel award. If you are already a member for 2023, be sure to renew your membership for 2024 to remain eligible.To renew or become an AAI member, visit www.aai.org/membership/join.

### **EXHIBIT HALL**

Open Saturday and Sunday from 9:00 AM - 4:30 PM, and Monday from 9:00 AM - 4:00 PM

### What's Happening in the Exhibit Hall? Our Exhibitors are waiting...

Leading scientific companies and organizations will be showcasing their products and services. Learn who by viewing the interactive Exhibit Floor Plan at IMMUNOLOGY2024.aai.org/exhibitors.

#### **AAI Member Lounge**

Rest and revive between sessions. Here you'll be able to recharge batteries (both yours and your devices) and engage with other members and AAI representatives.

#### It's Back! The Passport to Prizes Raffle

Get your **IMMUNOLOGY2024**™ passport stamped by participating exhibitors and enter to win a \$250 gift card.

#### IMMUNOLOGY2024<sup>™</sup> Poster Gallery

See, hear, and learn what your colleagues have been working on as they share their new research. Posters change daily.





#### **Personal Brand Bar** (tentative)

Invest in you with a visit to the Personal Brand Bar to update your professional headshot or get a makeover for your LinkedIn profile.

#### Romper Room (tentative)

Come and de-stress with some puppy love. Sit and feel the stress leave your body as puppies romp around and snuggle with you.











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### **EXHIBITOR WORKSHOPS**

Take advantage of the knowledge-building opportunities presented in Exhibitor Workshops. Located on the Exhibit Floor, these workshops explore the newest technologies, 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.

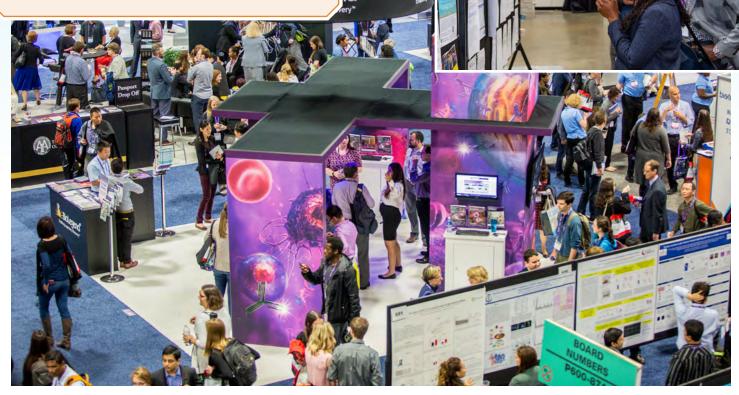
### **JOBS BOARD**

#### 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 2024. *Take advantage of this free career service for attendees and exhibitors!* 

#### **MEET THE EXHIBITORS ONLINE!**

Visit IMMUNOLOGY2024.aai.org/exhibitors to learn about all the exciting new products and services you will see at IMMUNOLOGY2024™.













### **SOCIAL EVENTS**

### FRIDAY, MAY 3, 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 Akiko Iwasaki will say a few words, and you will have the opportunity to meet and mingle with AAI Council members, committee chairs, AAI staff, members of the Membership Committee, and other fellow new members! Light refreshments will be served. Badge required.





### FRIDAY, MAY 3, 6:15 PM - 7:30 PM **IMMUNOLOGY2024<sup>™</sup> Opening Night Welcome Reception:** A Taste of Chicago

Following the President's Address, join us for the Opening Night Welcome Reception. Connect with friends, make new acquaintances, plan your week—and enjoy stations of iconic foods for which Chicago is famous! One complimentary drink token is included. Registered attendees aged 21 years or older only.











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### **SOCIAL EVENTS**

# SATURDAY, MAY 4, 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 provided. Badge and invitation required. Invitations will be issued to meeting attendees registered to attend the MAC Careers Roundtables and Speed Networking Session.



## MONDAY, MAY 6, 7:00 PM - 9:30 PM IMMUNOLOGY2024™ Gala

Aon Grand Ballroom, Navy Pier

The Aon Grand Ballroom, which is part of the Navy Pier's original 1916 construction and reminiscent of an era of elegance and splendor, is a stunning and unique Chicago locale for the **IMMUNOLOGY2024™** Gala! The venue embodies the magnificence of the past, with a sweeping 80-foot domed ceiling and panoramic views reflecting the beauty of the Windy City.

Tickets for the Gala, as well as discounted tickets for the 200-foot-high Centennial Wheel, which offers 360-degree views of Chicago and Lake Michigan, will be available for purchase during the registration process. *Attendees must be 21 years of age or older*.











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### REGISTRATION

Early Registration Opens: December 12, 2023 Early Registration Deadline: April 4, 2024

The registration fee covers entrance to scientific sessions, poster hall, exhibits, the Opening Night Welcome Reception, and the Program-at-a-Glance. Visit IMMUNOLOGY2024.aai.org/register for complete details.

AAI members are eligible for special discounts!
Registrants must be a member through December
31, 2024, 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 rates Dec 12 – April 4	Regular rates April 5 – May 2	On-site rates May 3 – 7
MEMBERS*	Regular or Associate	\$520	\$700	\$800
	Postdoc	\$390	\$525	\$625
	Emeritus	\$290	\$390	\$490
	Young Professional/ Post-Baccalaureate Student	\$390	\$525	\$625
	Graduate Student	\$140	\$190	\$290
	Undergraduate Institution Faculty	\$390	\$525	\$625
	Undergraduate Student	\$50	\$75	\$175
NONMEMBERS*  Take advantage of reduced rates by becoming a member before registering!	Regular or Associate	\$830	\$1,120	\$1,220
	Postdoc	\$625	\$840	\$940
	Young Professional/ Post-Baccalaureate Student	\$625	\$840	\$940
	Graduate Student	\$225	\$305	\$405
	Undergraduate Institution Faculty	\$625	\$840	\$940
	Undergraduate Student	\$125	\$150	\$250
	High School Teachers	No charge	No charge	No charge
	High School Students	No charge	No charge	No charge
EVENTS	CSOW Roundtable (Lunch, Discussion with Table Leaders, Lecture)	\$40	\$40	\$40
	CSOW Roundtable (Lecture only)	No charge	No charge	No charge
	EDU Sip and Learn Roundtable (Continental Breakfast)	\$25	\$25	\$25
	MAC Careers Roundtable (Lunch, Discussion with Table Leaders)	\$40	\$40	\$40
	Gala Tickets	\$40	\$40	\$40
	Gala Guest tickets	\$75	\$75	\$75
	Centennial Wheel tickets will be available for purchase for adults and children; discounted prices will be available at registration.			
	Cancellation Fee Half the registration fee paid will be refunded until April 4. No refunds after April 4.			

<sup>\*</sup> Registrants must be members through December 31, 2024, 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.

THE 107TH ANNUAL MEETING OF THE AMERICAN ASSOCIATION OF IMMUNOLOGISTS

### IMPORTANT DATES AND DEADLINES

Abstract Submission Opens	October 17, 2023
Abstract Submission Closes	December 5, 2023
Travel Award/Grant Applications Open	October 17, 2023
Travel Award/Grant Applications Close	December 5, 2023
Registration Opens	December 12, 2023
Early Registration Discount Ends	April 4, 2024

#### **NEW THIS YEAR!**

- ◆ Abstract submission dates are earlier than usual
- Abstract submission is free for AAI members.
- AAI trainee members (graduate students and postdoctoral fellows only) can submit for selection to present in Major Symposia

Join us May 3 – 7, 2024, in Chicago, IL, for GREAT SCIENCE!

Visit IMMUNOLOGY2024.aai.org to view the full program.

### **IMMUNOLOGY2024™** will feature:

- ♦ A new and improved abstract submission process
- ◆ The AAI Member Lounge, which offers AAI members a comfortable place to catch up with colleagues, use their laptops, enjoy refreshments, and charge their devices
- ♦ On-site childcare
- ♦ A new and improved mobile app
- ♦ Shuttle bus service between convention center and hotels









