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# IMMUNOLOGY2025<sup>TM</sup>

THE ANNUAL MEETING OF THE AMERICAN ASSOCIATION OF IMMUNOLOGISTS

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**SATURDAY, MAY 3 – WEDNESDAY, MAY 7, 2025**

HAWAII CONVENTION CENTER | HONOLULU, HI

**CALL FOR ABSTRACTS**

**IMMUNOLOGY2025.AAI.ORG**

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# IMMUNOLOGY2025™

THE ANNUAL MEETING OF THE AMERICAN ASSOCIATION OF IMMUNOLOGISTS

## CALL FOR ABSTRACTS

AAI invites you to submit abstracts of unpublished, original research for presentation at IMMUNOLOGY2025™. This dynamic opportunity to showcase your research empowers you to connect, collaborate, advance your career, and access cutting-edge research.



	OPENS	CLOSES	FEES	
			MEMBERS	NONMEMBERS
Regular Abstract Submission	SUBMIT NOW	November 19, 2024	\$0	\$140
Late-Breaking Abstract Submission	January 7, 2025	January 21, 2025	\$110	\$175



To submit, visit [immunology2025.aai.org/abstracts](https://immunology2025.aai.org/abstracts).

Become an AAI member to take advantage of the complimentary submission fee [aai.org/membership](https://aai.org/membership).

# WHAT TO KNOW

- ◆ Abstracts are submitted across **26 topic categories**. New topic categories this year include Neuroimmunology and Computational and Systems Immunology. *See page 4 for the full topic categories.*
- ◆ All submitted abstracts will be reviewed by teams of experts in their respective areas and all accepted abstracts will be scheduled for presentation in Poster Sessions.
- ◆ Outstanding abstracts submitted during the regular submission period will be selected for podium presentation in **Block or Major Symposia\***

*\*Only abstracts submitted by trainee (graduate student or post-doctoral fellow) AAI members, during the regular submission period, will be considered for podium presentation during Major Symposia.*

- ◆ All accepted submissions will be assigned to **Poster Sessions**, which are unopposed and allow 75-minutes for face-to-face discussions focused on your exciting research with leading scientists in attendance.
- ◆ **Block Symposia** are one-and-a-half-hour (1.5 hour) symposia consisting of short podium presentations of top abstracts in each topic category. Up to 30% of the submitted abstracts will be in these symposia.
- ◆ First authors have the option of requesting to be considered for 'Podium and Poster' or 'Poster Only' presentation when submitting their abstracts.
- ◆ The regular submission period closes on **Tuesday, November 19, 2024 at 11:59 PM ET.**
- ◆ Abstracts submitted during the late-breaking period, January 7–21, 2025, are considered only for poster presentation.





# ABSTRACT TOPIC CATEGORIES

Please note our abstract topic categories have changed for 2025.  
We look forward to your abstract submission!

## **Antigen and Dendritic Cell Processing, Presentation, and Biology (AGDC)**

- ◆ MHC Structure, Function, and Ligands
- ◆ MHC Assembly and Trafficking
- ◆ Mechanisms of Cross Presentation
- ◆ Intracellular Events in Antigen Processing
- ◆ Dendritic Cell Antigen Processing
- ◆ Dendritic Cell Biology
- ◆ Myeloid Cell Biology
- ◆ Other Antigen Presenting Cells
- ◆ Structure/Function Studies of Antigen Processing and Presentation
- ◆ Other Related Topics

## **Basic Autoimmunity (BA)**

- ◆ Immunopathogenic Mechanisms/ Immunogenetics of Autoimmunity
- ◆ Tolerance and Autoimmunity
- ◆ Other Related Topics

## **Cellular Adhesion, Migration, and Inflammation (CAM)**

- ◆ Inflammation
- ◆ Chemokines and Chemoattractants
- ◆ Adhesion Molecules in Cellular Migration, Inflammation, and Disease
- ◆ Leukocyte Recruitment
- ◆ Other Related Topics

## **Computational and Systems Immunology (COMP)**

- ◆ Bioinformatics Methods and Mathematical Models of Immune Interactions and Responses in Health and Disease
- ◆ Computational Immunology
- ◆ Integration of Multiple Cell Types/ Functions/Responses
- ◆ -Omics: Immunomics, Genomics, and Proteomics
- ◆ Other Related Topics

## **Cytokines and Chemokines and Their Receptors (CCR)**

- ◆ Receptors and Signal Transduction
- ◆ Gene Regulation
- ◆ Regulators of Immune Cell Development and Function
- ◆ Receptors in vivo
- ◆ Role in Health and Disease
- ◆ Structure/Function Studies of Cytokines, Chemokines, and Their Receptors
- ◆ Other Related Topics

## **Hematopoiesis and Immune System Development (HEM)**

- ◆ Stem Cells and Early Lineage Restrictions
- ◆ Myeloid and Erythroid Cell Development
- ◆ Lymphoid Organogenesis
- ◆ B Cell Development
- ◆ T Cell Development
- ◆ Developmental Defects in Aging
- ◆ Other Related Topics

## **Immediate Hypersensitivity, Asthma, and Allergic Responses (HYP)**

- ◆ Mast Cells, Eosinophils, Basophils
- ◆ Asthma and Allergic Inflammation
- ◆ Regulation of Hypersensitivity Responses
- ◆ Other Related Topics

## **Immune Mechanisms of Human Disease (HUM)**

- ◆ Basic Science Studies of Human Health and Disease
- ◆ Studies of the Healthy Human Immune System
- ◆ Mechanistic Studies of the Impact of Immunotherapy and Immunomodulation on the Human Immune Response (including Studies Based on Clinical Trials)
- ◆ Complement and Other Innate Immune Modulators and Therapeutics in Pathogenesis of Human Disease
- ◆ Other Related Topics

## **Immune Response Regulation: Cellular Mechanisms (IRC)**

*Should NOT include abstracts representing pure signaling, transcriptional regulation, or structural studies (see: Immune Response Regulation: Molecular Mechanisms for these abstracts) or abstracts related to regulating responses to tumors (see: Tumor Immunology: Cellular Responses and Tumor Microenvironment).*

- ◆ Mechanisms of Co-stimulation and Tolerance
- ◆ Mechanisms of Regulatory T Cell, B Cell, and Myeloid Suppressor Cell Activity
- ◆ Cell-Cell Interactions
- ◆ Effector Cell Processes
- ◆ Other Related Topics

## **Immune Response Regulation: Molecular Mechanisms (IRM)**

- ◆ Signal Pathways in Immune Cell Development, Regulation, and Activation
- ◆ MHC: Evolution and Polymorphisms
- ◆ Molecular Aspects of Repertoire Formation (Recombination, Isotype Switching, Somatic Mutation)
- ◆ Transcriptional Regulation of the Immune System
- ◆ Structural Biology of Immune Regulation
- ◆ Other Related Topics

## **Immunology Education and Communication (EDU)**

- ◆ K–12 Education Programs
- ◆ Undergraduate Education Strategies and Programs
- ◆ Graduate Education Strategies and Programs
- ◆ Public/Layperson Educational Strategies, Programs, and Communication
- ◆ Strategies and Programs for Communicating Immunology to Scientists in Other Disciplines
- ◆ Other Education Programs

## **Innate Immune Responses and Host Defense: Cellular Mechanisms (INC)**

- ◆ Innate Cellular Mechanisms of Host Defense
- ◆ Crosstalk of Complement with Other Immune Systems
- ◆ Ontogeny of Host Defense Mechanisms
- ◆ Other Related Topics

## **Innate Immune Responses and Host Defense: Molecular Mechanisms (INM)**

- ◆ Signal Transduction and Inflammasome Activation in Innate Immunity
- ◆ Molecular Mechanisms of Innate Immune System Regulation
- ◆ Fc Receptors and Acute Phase Proteins
- ◆ Structure/Function Analysis of Components of the Innate Immune Response
- ◆ Other Related Topics

## **Lymphocyte Differentiation and Peripheral Maintenance (LYM)**

- ◆ Cell Cycle and Mechanisms of Proliferation
- ◆ Lymphocyte Differentiation
- ◆ Lymphocyte Homeostasis, including Apoptosis
- ◆ Mechanisms/Biology of Immunological Memory and Aging
- ◆ Selection and Repertoire Diversity
- ◆ Influence of Stromal Cells
- ◆ Other Related Topics

# ABSTRACT TOPIC CATEGORIES

## **Microbial, Parasitic, and Fungal Immunology (MPF)**

- ◆ Cellular Responses to Bacterial, Parasitic, and Fungal Pathogens
- ◆ Immunopathogenesis of Bacterial, Parasitic, and Fungal Infection
- ◆ Innate Immunity Against Bacterial, Parasitic, and Fungal Pathogens
- ◆ Mechanisms of Host Invasion, Evasion, and Resistance
- ◆ Other Related Topics

## **Mucosal and Regional Immunology (MUC)**

- ◆ Protective Mucosal Immune Responses
- ◆ Influences on Mucosal Immunity
- ◆ Mucosal Tolerance and Disease
- ◆ Role and Regulation of IgA
- ◆ Immunology of Pregnancy
- ◆ Immunologically Privileged Sites
- ◆ Microbiome and Immunity
- ◆ Other Related Topics

## **Neuroimmunology (NEUR)**

- ◆ Interactions Between Immune and Nervous System
- ◆ Neuroinflammation
- ◆ Demyelination
- ◆ Neuronal Cell Death, Loss, and/or Injury
- ◆ Immune Cells in the Nervous System
- ◆ CNS Borders and Immunity
- ◆ Gut-Brain Axis
- ◆ Cytokine Signaling to the Brain
- ◆ Neuronal Control of the Immune Response
- ◆ Other Related Topics

## **Technological Innovations in Immunology (TECH)**

- ◆ Technology Development and Applications
- ◆ Other Related Topics

## **Therapeutic Approaches to Autoimmunity (THER)**

- ◆ Therapeutic Modulation of Tolerance and Autoimmune Disease in Animal Models
- ◆ Development of Therapies for Human Autoimmune Disease
- ◆ Other Related Topics

## **Translational and Interventional Immunology (TI)**

- ◆ Clinical Immunology and Related Translational and Interventional Research
- ◆ Development of Diagnostics
- ◆ Early Clinical Investigations
- ◆ Novel Therapeutic Concepts: From Bench to Bedside
- ◆ Other Related Topics

## **Transplantation Immunology (TRAN)**

- ◆ Solid Organ Transplantation
- ◆ Cellular or Bone Marrow Transplantation
- ◆ Graft vs. Host Disease (GVHD)
- ◆ Transplantation Tolerance Induction
- ◆ Mechanisms and Prevention of Graft Rejection
- ◆ Other Related Topics

## **Tumor Immunology: Cellular Responses and Tumor Microenvironment (TIME)**

- ◆ Antitumor Effector Cells and Cellular Regulation of Tumor Immunity
- ◆ Cellular Mechanisms of Tumor Rejection and Modulation of Antitumor Responses
- ◆ Tumor-Associated Antigens
- ◆ Tumor-Associated Immunosuppression
- ◆ Tumor Microenvironment
- ◆ Other Related Topics

## **Tumor Immunology: Checkpoints, Prevention, and Treatment (TIPT)**

- ◆ Vaccine Development
- ◆ Immune-Based Therapies (Including CAR T/B Cell Therapies)
- ◆ Non-Cellular Regulation of Tumor Immunity
- ◆ Non-Cellular Mechanisms of Tumor Rejection and Modulation of Antitumor Responses
- ◆ Pathobiology of Immune System Malignancies
- ◆ Other Related Topics

## **Vaccines and Immunotherapy (VAC)**

- ◆ Mucosal Vaccine Development and Immune-Based Therapies
- ◆ Therapy of Asthma and Hypersensitivity Responses
- ◆ Vaccine Development for Infectious Disease
- ◆ Immunotherapeutic Strategies Against Pathogens
- ◆ Other Related Topics

## **Veterinary and Comparative Immunology (VET)**

- ◆ Comparative Immune Responses to Pathogens/Tumors
- ◆ Evolution and Genetic Regulation of the Immune System
- ◆ Hematopoiesis and Development
- ◆ Differentiation and Selection
- ◆ Other Related Topics

## **Viral Immunology (VIR)**

- ◆ Cellular Responses to Viral Pathogens
- ◆ Immunopathogenesis of Viral Infection
- ◆ Innate Immunity Against Viral Pathogens
- ◆ Mechanisms of Host Invasion, Evasion, and Resistance (Including HIV)
- ◆ Other Related Topics



# ADDITIONAL ABSTRACT DETAILS

Please review the following important information as it relates to your abstract submission. We look forward to receiving your submission!

- ◆ All accepted abstracts are required to be presented as a poster.
- ◆ You are required to register for IMMUNOLOGY2025™ to present your abstract. This process is separate from submitting an abstract. Registration opens December 10, 2024.
- ◆ Notification of abstract acceptance will be in early March 2025.
- ◆ Don't forget to **apply for AAI travel grants and awards**. Applications are accepted during the regular abstract submission window. Explore the travel award opportunities at [aai.org/Awards/Travel](https://aai.org/Awards/Travel).

**Connect** with the global community of immunologists

**Collaborate** with peers, prospective authors, and potential funders

**Advance your career** by presenting and participating in career development sessions

**Share and access cutting-edge research** presented at IMMUNOLOGY2025™



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## CALL FOR ABSTRACTS



Thank you for your interest in submitting an abstract to **IMMUNOLOGY2025™**! Below you will find important additional information to assist you in preparing for the meeting.

Posters are viewable for one day only and will be assigned a morning or afternoon time slot. Please see the below schedule.

	MORNING	AFTERNOON
Sunday, May 4	10:30–11:45 AM	2:15–3:30 PM
Monday, May 5	10:30–11:45 AM	2:15–3:30 PM
Tuesday, May 6	10:30–11:45 AM	1:15–2:30 PM

- ◆ All first authors must be present at their poster during the designated day/hours for the Poster Session to which they are assigned.
- ◆ Presenters are to place their posters in their assigned space between 6:00 AM and 8:00 AM on their scheduled day. The exhibit hall will open at 8:00 AM.
- ◆ On Sunday and Monday, posters must be removed when the exhibit hall closes at 3:30 PM. On Tuesday, posters must be removed between 2:30 PM and 3:00 PM. The exhibit hall closes at 3:00 PM on Tuesday. 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.
- ◆ Your abstract submission fee is separate from the meeting registration fee. All abstract presenters must be registered to attend IMMUNOLOGY2025™. Registration opens on December 10, 2024.
- ◆ If you have any questions or experience any technical difficulties in submitting your abstracts, please contact [meetings@aai.org](mailto:meetings@aai.org).

**To submit, visit**  
[immunology2025.aai.org/abstracts](https://immunology2025.aai.org/abstracts).