

CALL FOR ABSTRACTS

IMMUNOLOGY 2019™

Annual Meeting of The American Association of Immunologists



MAY 9–13, 2019 | SAN DIEGO CONVENTION CENTER | SAN DIEGO, CA

Visit www.IMMUNOLOGY2019.org to view the full program.

PRESIDENT'S PROGRAM

AAI President's Address

THURSDAY, MAY 9, 5:00 PM

At the Interface of Microbiology and Immunology

JoAnne L. Flynn, Univ. of Pittsburgh Sch. of Med., AAI President



JoAnne L. Flynn

Introduction

Olivera J. Finn, Univ. of Pittsburgh Sch. of Med.

AAI President's Symposium

SUNDAY, MAY 12, 12:30 PM – 2:30 PM

Interactions of Pathogens with the Immune System

Chair: JoAnne L. Flynn, Univ. of Pittsburgh Sch. of Med., AAI President



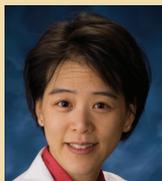
Vanja Lazarevic
NCI, NIH

Transcriptional regulation of the inflammatory response



Karen A. Norris
Univ. of Georgia

Immunity in the immunocompromised host



Philana Lin
Children's Hosp. of Pittsburgh

Tuberculosis: exceptions to every rule



Robert Seder, NIAID, NIH

Intravenous vaccination as an approach for inducing protective tissue resident T cell responses against tuberculosis and malaria

2019 DISTINGUISHED LECTURES

FRIDAY, MAY 10, 6:00 PM



Andrea J. Tenner

Univ. of California, Irvine
Complement: primitive yet powerful—new discoveries in immunity and the nervous system

SATURDAY, MAY 11, 6:00 PM



Bruce R. Blazar

Univ. of Minnesota
Stem cell transplantation: restoring immune balance

SUNDAY, MAY 12, 6:00 PM



Gwendalyn J. Randolph

Washington Univ. in St. Louis
Clearance of molecules and cells from sites of inflammation

Daily
Dedicated Poster
Presentation
Time
2:30 PM –
3:45 PM

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 abstracts will be programmed into **Poster Sessions**. Approximately 500 outstanding abstracts will be programmed for podium presentations in **Block Symposia**.

To submit an abstract, please visit www.IMMUNOLOGY2019.org/abstracts.

Abstract Submission Opens **November 28, 2018**

Abstract Submission Closes **January 14, 2019**

Abstract Submission Fees

AAI Member \$80

Nonmember \$115

AWARD 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 and present their research in a lecture during the meeting.

AAI-BD Biosciences Investigator Award

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

AAI-BioLegend Herzenberg Award

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

AAI-Steinman Award for Human Immunology Research

Recognizes an individual who has made significant contributions to the understanding of immune processes under-lying human disease pathogenesis, prevention, and therapies

AAI-Thermo Fisher Meritorious Career Award

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

AAI Vanguard Lecture

Presented by an AAI member who is an underrepresented minority investigator noted for scientific achievement and exemplary career success



Margaret S. Bynoe

Cornell Univ.
The impact of neurotropic pathogens on neuroinflammation and neurodegeneration

For complete information on Awards, visit www.AAI.org/Awards.

TRAVEL AWARD & GRANT APPLICATIONS DEADLINE: JANUARY 14, 2019

MAJOR SYMPOSIA

FRIDAY, MAY 10, 8:00 AM – 11:30 AM

MAJOR SYMPOSIUM A: Interactions of Innate and Adaptive Immune Cells that Promote Autoimmunity

Chairs:

David A. Hafler, Yale Univ.
Melissa A. Brown, Northwestern Univ.

Speakers:

David A. Hafler, Yale Univ.
Melissa A. Brown, Northwestern Univ.
Maureen A. Su, Univ. of North Carolina, Chapel Hill
Jane H. Buckner, Benaroya Res. Inst.
Mandy J. McGeachy, Univ. of Pittsburgh
Vijay K. Kuchroo, Brigham and Women's Hosp.

MAJOR SYMPOSIUM B: Extrinsic and Intrinsic Immune Aspects of the Tumor Microenvironment

Chairs:

Victor H. Engelhard, Univ. of Virginia
Mary Jo Turk, Dartmouth Geisel Sch. of Med.

Speakers:

Victor H. Engelhard, Univ. of Virginia
Mary Jo Turk, Dartmouth Geisel Sch. of Med.
Jennifer A. Wargo, MD Anderson Cancer Ctr.
Max Krummel, Univ. of California, San Francisco
Susan M. Kaech, Salk Inst.
Jose R. Conejo-Garcia, H. Lee Moffitt Cancer Ctr. and Res. Inst.

SATURDAY, MAY 11, 8:00 AM – 11:30 AM

MAJOR SYMPOSIUM C: Acute and Chronic Inflammation

Chairs:

Claudia Kemper, NHLBI, NIH
Michael C. Carroll, Boston's Children's Hosp.

Speakers:

Claudia Kemper, NHLBI, NIH
Michael C. Carroll, Boston Children's Hosp.
Jörg Köhl, Univ. of Lübeck, Germany
Clare E. Bryant, Univ. of Cambridge, England
Grace Y. Chen, Univ. of Michigan
Susan Carpenter, Univ. of California, Santa Cruz

MAJOR SYMPOSIUM D: Structural and Cellular Aspects of Innate Lymphocytes

Chairs:

Erin J. Adams, Univ. of Chicago
Joseph Sun, Mem. Sloan Kettering Cancer Ctr.

Speakers:

Erin J. Adams, Univ. of Chicago
Joseph Sun, Mem. Sloan Kettering Cancer Ctr.
Luc Teyton, Scripps Res. Inst.
Catherine A. Blish, Stanford Univ.
Mariapia A. Degli-Esposti, Univ. of Western Australia, Australia
Hao Wu, Harvard Univ.

SUNDAY, MAY 12, 8:00 AM – 11:30 AM

MAJOR SYMPOSIUM E: Mechanisms of Allergic Immunity

Chairs:

Richard M. Locksley, Univ. of California, San Francisco
Jakob von Moltke, Univ. of Washington

Speakers:

Richard M. Locksley, Univ. of California, San Francisco
Jakob von Moltke, Univ. of Washington
Xin Sun, Univ. of California, San Diego
Nora A. Barrett, Brigham and Women's Hosp.
Brian S. Kim, Washington Univ. Sch. of Med. in St. Louis
Caroline L. Sokol, Massachusetts Gen. Hosp.

MAJOR SYMPOSIUM F: Functional Plasticity of Innate and Adaptive Immune Cells

Chairs:

Ananda W. Goldrath, Univ. of California, San Diego
Jessica A. Hamerman, Benaroya Res. Inst.

Speakers:

Ananda W. Goldrath, Univ. of California, San Diego
Jessica A. Hamerman, Benaroya Res. Inst.
Deepta Bhattacharya, Univ. of Arizona
Jinfang "Jeff" Zhu, NIAID, NIH
David G. DeNardo, Washington Univ. in St. Louis
Pandurangan Vijayanand, La Jolla Inst. for Allergy and Immunology

MONDAY, MAY 13, 8:00 AM – 11:30 AM

MAJOR SYMPOSIUM G: Immune Responses to Emerging Viral Infections

Chairs:

James Crowe, Jr., Vanderbilt Univ.
Sara Cherry, Univ. of Pennsylvania

Speakers:

James Crowe, Jr., Vanderbilt Univ.
Sara Cherry, Univ. of Pennsylvania
Carolyn B. Coyne, Univ. of Pittsburgh
Erica Ollmann Saphire, Scripps Res. Inst.
Adolfo Garcia-Sastre, Icahn Sch. of Med., Mount Sinai
Sujan Shresta, La Jolla Inst. for Allergy and Immunology

MAJOR SYMPOSIUM H: Impact of Host and Microbe Metabolism on Immunity

Chairs:

Jonathan D. Powell, Johns Hopkins Univ.
Laurence Morel, Univ. of Florida

Speakers:

Jonathan D. Powell, Johns Hopkins Univ.
Laurence Morel, Univ. of Florida
Maxim N. Artyomov, Washington Univ. Sch. of Med. in St. Louis
Greg M. Delgoffe, Univ. of Pittsburgh
Jennifer Martinez, NIEHS, NIH

All session information subject to change.

SPECIAL SYMPOSIA AND EVENTS

Participating Guest Societies

American Society for Histocompatibility and Immunogenetics (ASHI)
American Society of Transplantation (AST)
American Society of Tropical Medicine and Hygiene (ASTMH)
Canadian Society for Immunology (CSI)
Chinese Society for Immunology (CSI)
Chinese Society of Immunology, Taiwan (CSIT)
German Society for Immunology (DGfI)
International Complement Society (ICS)
International Cytokine and Interferon Society (ICIS)
International Society for Neuroimmunology (ISNI)
International Society of Developmental and Comparative Immunology (ISDCI)
Korean Association of Immunologists (KAI) and Association of Korean Immunologists in America (AKIA)
Obesity Society (TOS)
Society for Glycobiology (SfG)
Society for Leukocyte Biology (SLB)
Society for Immunotherapy of Cancer (SITC)
Society for Mucosal Immunology (SMI)
Society for Natural Immunity (SNI)

Participating NIH Institutes

National Institute of Allergy and Infectious Diseases (NIAID)
National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)
National Institute of Environmental Health Sciences (NIEHS)
National Institute on Aging (NIA)

AAI COMMITTEE-SPONSORED SESSIONS AND EVENTS

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

Clinical Immunology Committee: Inborn Defects of Immunity

Committee on Public Affairs: Advocating for Biomedical Research: We've Done It, and So Can You!

Committee on the Status of Women and Education Committee: Careers in Science Roundtable

Education Committee: Careers in Biotech: Panel Discussion and Networking; Immunology Teaching Interest Group

Membership Committee: New Member Reception (*by invitation only*)

Minority Affairs Committee: Careers Roundtable and Speed Networking Session; AAI Vanguard Lecture

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

Publications Committee: Writing Scientific Manuscripts and Responding to Reviewers: Tips on Navigating the Process

Veterinary Immunology Committee: Towards OneHealth: Understanding Disease with Animal Models

AAI CAREER DEVELOPMENT OPPORTUNITIES

Through workshops, presentations, roundtables, and one-on-one counseling, IMMUNOLOGY 2019™ provides the following career development programs.

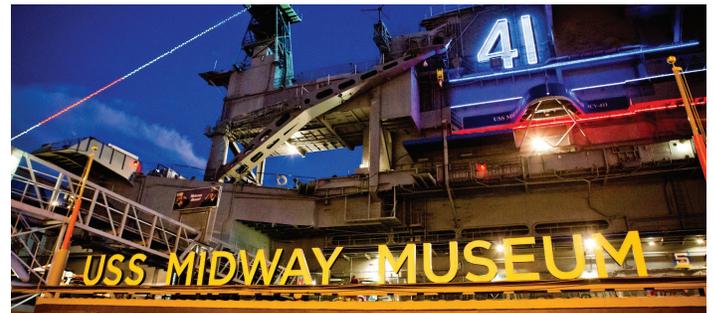
- Careers and Networking Roundtables
- Careers in Biotech: Panel Discussion and Networking
- How to Convert Your CV into a Résumé
- How to Convert Your CV into a Résumé: One-on-One Consultation
- International Opportunities in Science: Panel Discussion
- Interviewing for a Job
- Jobs Board
- NIH Grants Workshop: Demystifying the Grant Application Submission, Review, and Funding Processes
- Strategies for Successful Postdoctoral Training
- And More!

SOCIAL EVENTS

THURSDAY, MAY 9, 6:00 PM – 7:30 PM

IMMUNOLOGY 2019™ OPENING NIGHT NETWORKING EVENT

The Opening Night Networking Event is back! Immediately following the President's Address, registrants are invited to toast old friends, make new connections, plan their week, and enjoy a picturesque view of San Diego Bay on the Convention Center's Center Terrace. Light refreshments and a drink ticket are included in your registration.



SUNDAY, MAY 12, 7:00 PM – 9:30 PM

IMMUNOLOGY 2019™ GALA Generously sponsored by BioLegend

This year's Gala will be held at the USS Midway Museum, an iconic San Diego destination. On the flight deck attendees can experience an array of restored naval aircraft—from the workhorse of Vietnam to helicopters that picked up Apollo space missions. On deck, a band will perform dance hits surrounded by the 360-degree panoramic view of the San Diego skyline. Below, on the hangar deck, World War II aircraft can be viewed, cockpits sat in, and flight simulators experienced.

Appetizers, dinner stations, and two drinks—included in your registration fee—will be provided. Guest tickets may be purchased when registering.

Shuttle service will be provided between the Convention Center and the Midway Museum.

ABSTRACT SUBMISSION TOPICS

For details on what the following topics include, visit www.IMMUNOLOGY2019.org/abstracts.

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

JOBS BOARD

Post Online and Meet On Site

AAI offers career services to job-seekers and employers through the meeting **Jobs Board**—free for meeting attendees and exhibitors.

Jobs Board submission information will be available online in February 2019.

TAKE ADVANTAGE OF THIS FREE CAREER SERVICE FOR ATTENDEES AND EXHIBITORS!



POSTERS

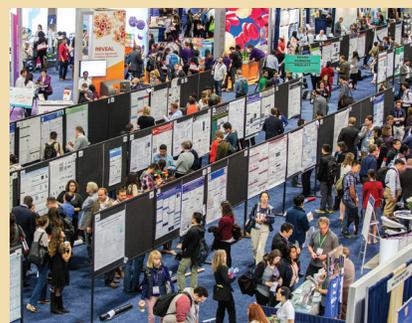
Come to the Exhibit Hall to experience the most interactive part of the meeting—the **Daily Dedicated Poster Presentations**. On Friday, Saturday, and Sunday, between 2:30 PM and 3:45 PM, you will have access to the most recent data presented by scientists conducting the work. If you wish to submit an abstract, please visit www.IMMUNOLOGY2019.org/abstracts—but please note:

- All accepted abstracts, **including those selected for an oral presentation**, are required to be presented as a poster.
- Posters are viewable for one day only.
- Posters are to be placed between 7:30 AM and 9:30 AM on the assigned day, on the assigned board.
- All first authors must be present and by their poster between the hours of 2:30 PM and 3:45 PM on their assigned day. **Any authors failing to (1) display their poster throughout their assigned day, and/or (2) be present during their assigned poster session will forfeit publication of their abstract in the Special Meeting Abstracts Supplement to *The Journal of Immunology*. Corresponding travel awardees will, additionally, forfeit their award.**

Approximately 500 outstanding abstracts will be programmed for podium presentations in Block Symposia.

Over 700 AAI members receive AAI travel awards each year!

IMPORTANT: For abstract presentation guidelines, visit www.IMMUNOLOGY2019.org.



- Posters are to remain up until 3:45 PM and removed by 4:30 PM on the assigned day; posters not removed will be discarded.
- Videoing or photographing of posters without the permission of the author is forbidden. First authors are allowed to photograph their own posters.

Daily Dedicated Poster Presentation Times

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

Poster and Exhibit Hall hours:
9:30 AM – 4:30 PM

EXHIBIT HALL

EXHIBIT HALL

Open **Friday, Saturday, and Sunday**
from **9:30 AM – 4:30 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: www.IMMUNOLOGY2019.org/exhibitor.



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 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.IMMUNOLOGY2019.org to learn about all the exciting new products and services you will see at IMMUNOLOGY 2019™.

REGISTRATION Early Registration opens **December 18, 2018** | Early Registration Deadline: **March 29, 2019**

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

REGISTRATION CATEGORIES AND FEES	Early Deadline March 29	Advance March 30– May 8	On-site May 9 or later
Member (Regular, Associate, & Postdoc)	\$395	\$495	\$595
Nonmember	\$660	\$760	\$800
Graduate Student Member	\$115	\$140	\$175
Graduate Student Nonmember	\$225 with student photo I.D. (on-site registration only)		
Post Undergraduate*	Contact meetings@aai.org to register		
Emeritus Member	\$125	\$160	\$185
Undergrad Student	\$55 with student photo I.D. (on-site registration only)		
HS Teacher, HS Student	\$0 with ID or letter (on-site registration only)		
Lost Badge Fee	\$50 first replacement, \$100 each replacement after		
Cancellation Fee	\$75 up to April 5, 2019; no refund after April 5, 2019		

Your registration fee covers entrance to scientific sessions, exhibits, the Opening Night Networking Event, IMMUNOLOGY 2019™ Gala, and the printed Meeting Guide. Visit www.IMMUNOLOGY2019.org/register for complete details.

* Recent college graduates (up to 3 years post graduation) who are not enrolled in graduate school or further undergraduate education may register at a special rate with proof of employment/status.

IMPORTANT DATES AND DEADLINES

THURSDAY, MAY 9 – MONDAY, MAY 13, 2019

Abstract Submission

Abstract Submission Opens	November 28, 2018
Abstract Submission Closes	January 14, 2019

Registration

Registration Opens	December 18, 2018
Early Registration Discount Ends	March 29, 2019

Awards

Career Award Nominations Due	October 31, 2018
Travel Award & Grant Applications Open	November 28, 2018
Travel Award & Grant Applications Due	January 14, 2019

Housing

Discounted Housing Reservations	Now Open
Discounted Hotel Rates End	April 5, 2019

www.IMMUNOLOGY2019.org

IMMUNOLOGY 2019™

Join us in SAN DIEGO this May for GREAT SCIENCE!

Come to IMMUNOLOGY 2019™ for great science, networking and social events, career development programs, and exhibits featuring exciting products and services to benefit you in your research!

In addition to all this, IMMUNOLOGY 2019™ attendees will enjoy the lively San Diego nightlife and eclectic atmosphere of Southern California!

Register before March 29, 2019, to take advantage of the Early Registration Discount!

Learn more at www.IMMUNOLOGY2019.org

Book Your Hotel Early for the Best Selection and Rates!

Get exclusive benefits when you book your stay through the AAI-designated housing service—**onPeak**.

- No pre-payment charged at time of booking—Book Now, Pay Later
- Deeply discounted rates at hotels within walking distance of the Convention Center
- Greater networking opportunities at official hotels

View hotels in the AAI block at www.IMMUNOLOGY2019.org/hotel-travel.



To register for the meeting, visit www.IMMUNOLOGY2019.org/register.