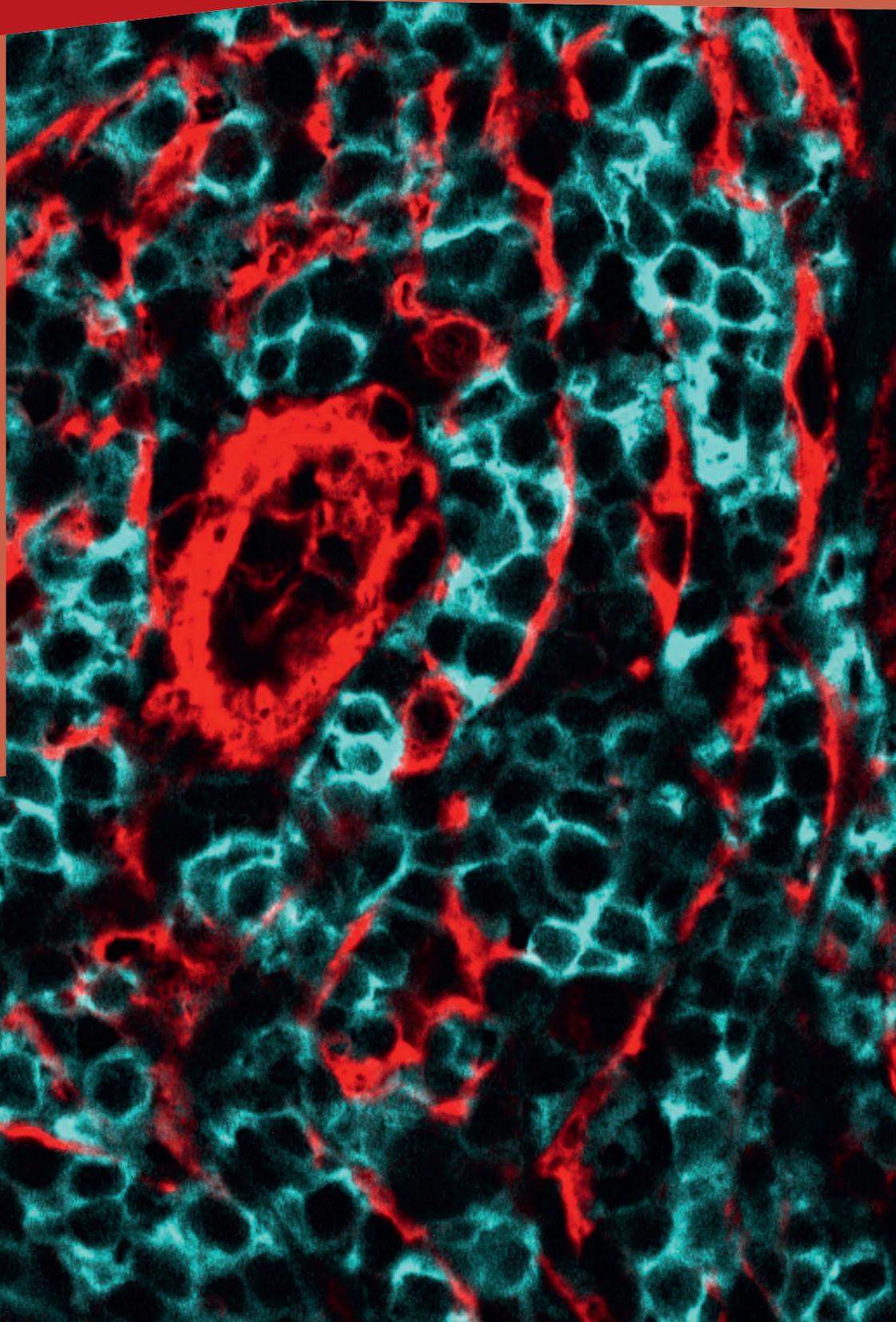


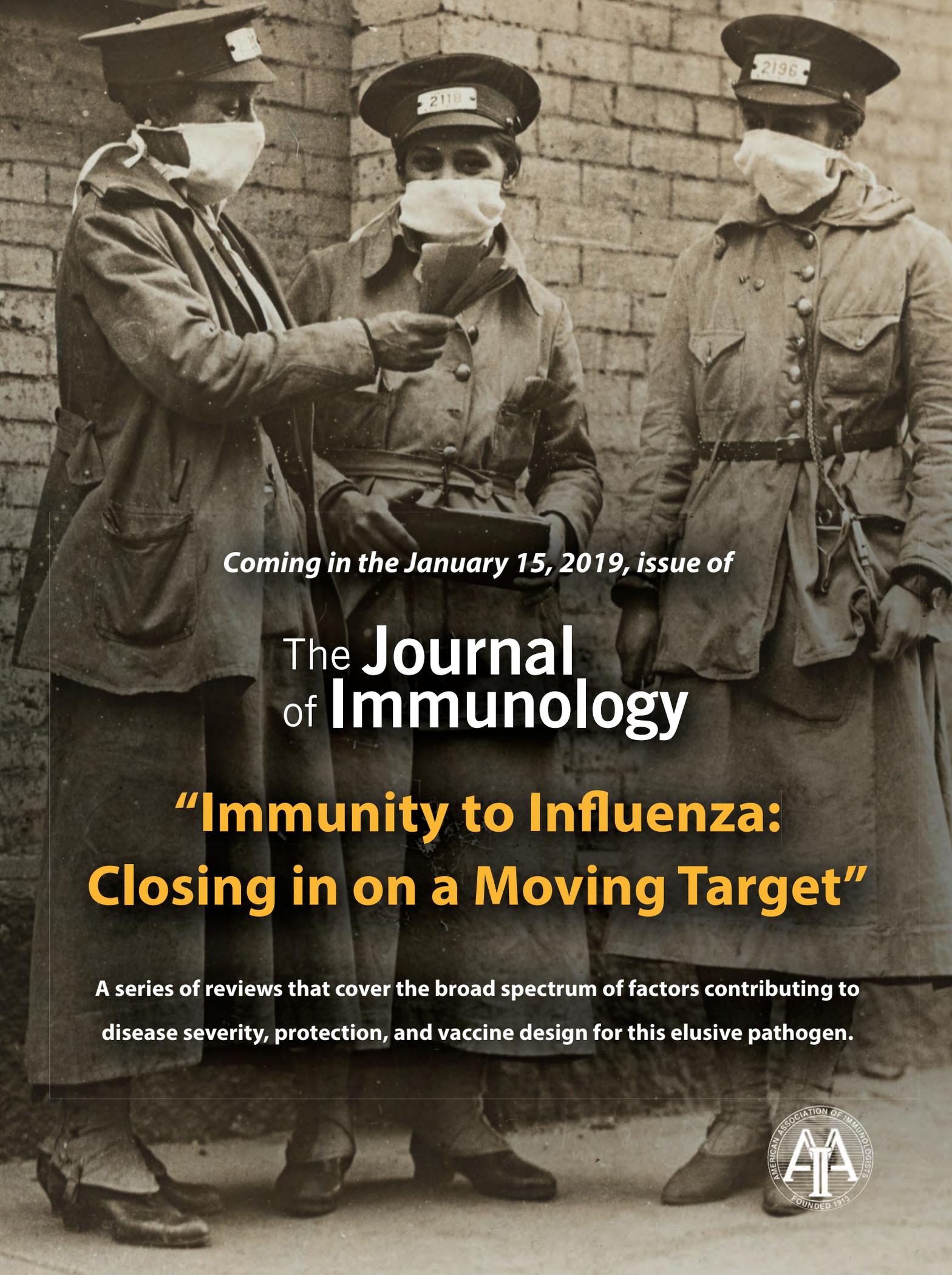
# The Journal of Immunology

Volume 202, Issue 1 • 1 January 2019 • [www.jimmunol.org](http://www.jimmunol.org)



- Banded Neutrophils on the Move
- Migration of *Salmonella enterica* in the Lymph
- Abin-1 as an NLR Interaction Partner
- Suppressive Neutrophils in CVID Patients
- Review: New Generation of Attenuated Vaccines for Malaria
- Review: Small Molecules for Tumor Immunotherapy



A black and white historical photograph of three nurses in uniform and masks. The nurse in the center is holding a clipboard and looking at it. The nurse on the left is looking towards her. The nurse on the right is looking forward. They are standing in front of a brick wall. The nurse on the left has a name tag that says '2118'. The nurse on the right has a name tag that says '2196'.

*Coming in the January 15, 2019, issue of*

The **Journal**  
of **Immunology**

**“Immunity to Influenza:  
Closing in on a Moving Target”**

A series of reviews that cover the broad spectrum of factors contributing to disease severity, protection, and vaccine design for this elusive pathogen.



IMMUNOLOGY 2019™



May 9–13, 2019  
AAI Annual Meeting  
San Diego, California



103<sup>RD</sup> ANNUAL MEETING OF THE AMERICAN ASSOCIATION OF IMMUNOLOGISTS (AAI)

# Call for 2019 Award Applications

**Deadline: January 14, 2019**

Applications are invited for the following AAI Travel Awards and Grants, which annually foster the promise and professional development of investigators at all career stages.

## Lefrançois-BioLegend Memorial Award

Established to honor the memory of AAI member Dr. Leo Lefrançois, this award is intended to advance the career of a trainee who attends the AAI annual meeting and presents an outstanding abstract specifically in the area of mucosal immunology. The award recipient will receive a \$1,000 cash award and a certificate during an awards presentation program at the AAI annual meeting. *This award is generously supported through a grant from BioLegend and donations from friends and colleagues of Dr. Lefrançois.*

## AAI Trainee Poster Awards

These awards provide up to \$300 in travel reimbursement to AAI trainee members whose first-author abstracts submitted to the AAI annual meeting are selected for poster sessions only and found to be exceptional by the AAI Abstract Programming Chairs. Selection is based on the originality and significance of the research being presented.

## Pfizer-Showell Travel Award

This award recognizes the professional promise of an early career investigator (assistant professor or equivalent) by assisting the award recipient with travel to the AAI annual meeting. Selection is based on career progress and submission of an outstanding abstract selected for oral presentation in a block symposium at the meeting. The award recipient will be recognized and presented with a certificate at an awards presentation program at the AAI annual meeting. Support of up to \$1,500 will be provided for meeting registration and travel. *This award is supported through an endowment from Henry J. Showell and Pfizer, Inc.*

## AAI-Thermo Fisher Trainee Achievement Awards

These awards recognize up to six promising trainees in the field of immunology. Selection is based on career promise and presentation of an outstanding first-author abstract selected for oral presentation in a block symposium. Awardees will receive a \$1,000 cash award and reimbursement for meeting expenses. *These awards are generously supported by Thermo Fisher Scientific.*

## AAI Early Career Faculty Travel Grants

These grants assist young investigators (assistant professor or equivalent) in attending the AAI annual meeting. Recipients will be reimbursed up to \$1,250 for registration and travel expenses.

## Chambers-Thermo Fisher Scientific Memorial Award

Established to honor the memory of AAI member Dr. Cynthia Chambers, this award is intended to advance the career of an early career scientist who attends the AAI annual meeting and presents an outstanding abstract specifically in the area of cancer biology. The award recipient will receive a \$1,000 cash award and a certificate during an awards presentation program at the AAI annual meeting. *This award is generously supported through a grant from Thermo Fisher Scientific.*

## Lustgarten-Thermo Fisher Scientific Memorial Award

Established to honor the memory of AAI member Dr. Joseph Lustgarten, this award is intended to advance the career of a mid-career scientist who attends the AAI annual meeting and presents an outstanding abstract specifically in the area of immune regulation. The award recipient will receive up to \$1,250 in travel reimbursement and a certificate during an awards presentation program at the AAI annual meeting. *This award is generously supported through a grant from Thermo Fisher Scientific.*

## AAI Trainee Abstract Awards

These awards provide up to \$750 in travel reimbursement to AAI trainee members whose first-author abstracts submitted to the AAI annual meeting are selected for presentation in block symposia.

## AAI Undergraduate Faculty Travel Grants

These grants assist undergraduate faculty in attending the AAI annual meeting. Each grant will also support travel costs for an undergraduate student of the recipient's selection. A grant of up to \$1,250 is awarded to the undergraduate faculty member, and a grant of up to \$1,000 is awarded to the selected undergraduate student.

## AAI Laboratory Travel Grants

These grants assist mid-career and senior investigators in attending the AAI annual meeting. Applicants must hold an appointment of associate professor, full professor, or equivalent; have limited research funding; and be a first or last author on one or more abstracts submitted to the annual meeting. Each grant will provide two travel awards of up to \$1,250 each: one to the PI or laboratory director and another to a member of his or her lab, chosen by the PI or laboratory director. Recipients will be reimbursed for registration and travel expenses.

The FASEB DREAM Program is supporting Poster/Platform (Oral) Presenter Travel Awards for underrepresented minority scientists; for details, visit [www.faseb.org/Professional-Development-and-Diversity-Resources.aspx](http://www.faseb.org/Professional-Development-and-Diversity-Resources.aspx).

For complete AAI Travel Award and Grant application details, visit [www.AAI.org/Awards](http://www.AAI.org/Awards).

*The 2019 AAI Awards will be presented in conjunction with*

**IMMUNOLOGY 2019™**  
May 9–13, 2019 • San Diego, California

**Questions? Contact AAI at 301-634-7178 or [awards@aai.org](mailto:awards@aai.org)**

# IMMUNOLOGY 2019™

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

[www.IMMUNOLOGY2019.org](http://www.IMMUNOLOGY2019.org)



## Trainees—Build Your CV at IMMUNOLOGY 2019™

Submit an abstract to **IMMUNOLOGY 2019™** to become eligible for one of the many awards offered to trainee members. Over 450 travel awards are offered annually!

Also take advantage of the numerous career development sessions.

### TRAVEL AWARDS AND GRANTS (Available to AAI trainee members)

#### **AAI-Thermo Fisher Trainee Achievement Awards**

Recognizing as many as six promising AAI trainees for outstanding first-author abstracts selected for Block Symposia.

#### **AAI Trainee Abstract Awards**

Providing travel support to AAI trainees whose first-author abstracts are selected for presentation in Block Symposia.

#### **Lefrançois-BioLegend Memorial Award**

Advancing the career of an AAI trainee presenting an outstanding abstract specifically in the area of mucosal immunology.

#### **AAI Trainee Poster Awards**

Providing travel support to AAI trainees whose first author abstracts are selected for poster sessions only and found to be exceptional by the AAI Abstract Programming Chairs.

Join AAI and submit an abstract by **January 14, 2019**, to be eligible.

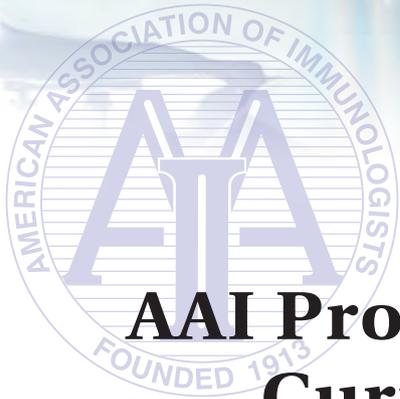
For complete AAI Travel Award and Grant application details, visit [www.AAI.org/Awards](http://www.AAI.org/Awards).

For membership info, visit [www.AAI.org/membership](http://www.AAI.org/membership).

### CAREER DEVELOPMENT SESSIONS (Available to all meeting attendees)

Careers in Biotech Panel and Networking; Careers and Networking Roundtables; How to Convert your CV into a Resume; Interviewing for a Job; Secrets for a Successful Postdoctoral Fellowship

For up-to-date information regarding career development activities offered at **IMMUNOLOGY 2019™**, visit [www.IMMUNOLOGY2019.org/scientific-program](http://www.IMMUNOLOGY2019.org/scientific-program).



# AAI Programs to Benefit Your Lab's Current or Future Research

## AAI Careers in Immunology Fellowship

<b>KEY DATES</b>	<b>APPLICATIONS OPEN</b>	<b>APPLICATIONS CLOSE</b>
	<b>JANUARY 15</b>	<b>MARCH 15</b>

These fellowships provide AAI member PIs with one year of salary support for a graduate student or postdoctoral fellow in their labs. Member PIs in good standing with less than \$250,000 (excluding PI's salary) in annual direct costs are eligible to apply.

Selection is based on the potential of the trainee, merit of the project, quality of the training environment, and financial need.

**Direct inquiries to [fellowships@aai.org](mailto:fellowships@aai.org).**

## AAI Travel for Techniques Award Program

<b>AWARDS CYCLE</b>	<b>APPLICATIONS OPEN</b>	<b>APPLICATIONS CLOSE</b>
<b>WINTER</b>	<b>DECEMBER 15</b>	<b>FEBRUARY 15</b>
<b>SPRING</b>	<b>APRIL 15</b>	<b>JUNE 15</b>
<b>FALL</b>	<b>AUGUST 15</b>	<b>OCTOBER 15</b>

The Travel for Techniques Award is given to member PIs, reimbursing up to \$1,500 in expenses for travel to learn a new technique. Member PIs in good standing with less than \$250,000 (excluding PI's salary) in annual direct costs are eligible to apply.

**Direct inquiries to [awards@aai.org](mailto:awards@aai.org).**

*If the application deadline falls on a weekend day or a federal holiday, applications will be due on the next regular business day.*

The American Association of Immunologists provides robust support for scientists through an array of fellowships, career awards, and travel grants. For complete details, visit [www.aai.org/awards](http://www.aai.org/awards).



# AAI Courses in Immunology

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## *2019 Introductory Course in Immunology*

July 9–14, 2019

UCLA Luskin Conference Center, Los Angeles, California

This comprehensive two-part course, taught by leading experts, provides an in-depth overview of the basics of immunology. This course is for students new to the discipline or those seeking more information to complement general biology or science training. **Part I (July 9–11)** is a detailed introduction to the basic principles of immunology and is suitable for students with a general biology background. **Part II (July 12–14)** is a clinically oriented lecture series focusing on specialty areas. Parts I and II may be taken independently at the discretion of the student.

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## *2019 Advanced Course in Immunology*

July 28–August 2, 2019

Seaport World Trade Center, Boston, Massachusetts

Established in 1966, this intensive course is directed toward advanced trainees and scientists who wish to expand or update their understanding of the field. World-renowned immunologists will present recent advances in the biology of the immune system and address its role in health and disease. This is not an introductory course; attendees will need to have a firm understanding of the basic principles of immunology and laboratory techniques.

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For more information, visit  
[www.aai.org/Education/Courses](http://www.aai.org/Education/Courses)

Please direct inquiries to  
(301) 634-7178 or [meetings@aai.org](mailto:meetings@aai.org)

# The Career Advisory Board

## A RESOURCE FOR SENIOR POSTDOCS AND EARLY-CAREER FACULTY



**Have you just started your first lab? Trying to juggle research, teaching, and service?**  
**Are you facing new and puzzling issues that an established scientist can answer?**

The Career Advisory Board (CAB) is a referral service that matches senior postdocs (start of fourth year and beyond) and early-career PIs who submit requests for guidance on specific career issues with more senior scientists with experience and insights in those areas. The program is not meant to replace the mentoring programs at a scientist's home institution, but rather to serve as a resource for senior postdocs and early-career PIs to obtain advice on a specific question from established investigators outside of their home institutions—often through a single phone call.

### Selected Topics

- Balancing family and work
- Timing for first grant submission
- Recruiting
- Handling personnel issues
- Managing a lab
- Finding a mentor
- Building networks
- Preparing for leadership
- Balancing service obligations
- Teaching
- Serving on NIH study sections



**ELIGIBILITY:** The CAB is open to all senior postdocs (start of fourth year and beyond) and early-faculty AAI members.

**APPLY HERE:** <http://aai.org/CAB>