

# Final Program

**AAAAI** American Academy of  
Allergy Asthma & Immunology

**ANNUAL MEETING**

SAN ANTONIO, TX · FEBRUARY 24–27, 2023

Optimizing  
Scope of Practice

#AAAAI23  
[annualmeeting.aaaai.org](https://annualmeeting.aaaai.org)



# ANNUAL MEETING

WASHINGTON, DC · FEBRUARY 23-26, 2024

Save the Date



[annualmeeting.aaaai.org](https://annualmeeting.aaaai.org) #AAAAI24



Dear Colleagues,

Welcome to the 2023 AAAAI Annual Meeting. This is the A/I event of the year where you will experience interactive training stations, dedicated networking lounges, highly anticipated research highlights and of course, transformative educational sessions. Over 400 faculty members will be speaking, and they are ready to answer questions and engage in discussion with you.

You are a part of the community of thousands of A/I clinicians from around the world who have gathered together to learn from top experts in the field, exchange ideas and best practices, make new connections and access cutting-edge research. We thank you in advance for following our health and safety protocols that will ensure a safe, informative and successful Annual Meeting. The Annual Meeting Program Committee has again constructed an impressive program, including a wide variety of content-rich sessions covering the latest in A/I, with many built around our “Optimizing Scope of Practice” theme. While the theme covers about 20% of our sessions, the remaining 80% were developed through member submissions and include a robust selection of basic and clinical science programming. The labels and key inside this program will help you determine which sessions relate to the theme and to our other session tracks, and which sessions are being livestreamed for those who opted to attend the 2023 Annual Meeting virtually. Other virtual components include a set of pre-recorded sessions to be viewed at your convenience, the recording of a select number of live sessions that will be uploaded online and a virtual Poster Hall.

## Add These High-Impact Sessions to Your Meeting Schedule

Friday at 1:45 pm is the Presidential Plenary: Paradigm Shifts in Drug Allergy, which will serve as a major update to the field of drug allergy. You will hear about new insights into the immunopathology of Aspirin-exacerbated Respiratory Disease, advances in the diagnosis and management of Severe Cutaneous Adverse Reaction and practice changers from *Drug Allergy: A 2022 Practice Parameter Update*.

Our plenary sessions continue at 8:15 am on Saturday and Sunday, and at 9:30 am on Monday. These plenaries will cover the impact of climate change and environmental hazards on allergic disease, new insights on atopic dermatitis and the latest on the diagnosis and management of food allergy.

For the Keynote Saturday at 3:30 pm, Peter Hotez, MD, PhD, DSc, an internationally-recognized physician-scientist in neglected tropical diseases and vaccine development, will lead a timely discussion on how we address both vaccine equity and a rising and aggressive antisense empire. We are also excited to announce that on Monday after the Business Meeting, which is now from 8:15 to 9:15 am, and before the plenary session at 9:30 am, there will be a special virtual presentation from CDC Director Rochelle Walensky, MD, MPH.

## Download the Official Meeting App and Join the Social Media Conversation

Visit the App Store or Play Store on your mobile device to download the official 2023 Annual Meeting app. Use it to organize your session schedule, access handouts and abstracts, respond to polls and ask questions in sessions, stay informed about program changes as they happen, and navigate the Henry B. González Convention Center with interactive maps and exhibitor information. Most importantly, the app offers the only way to complete faculty evaluations, and we need your feedback to make future programming improvements. If you post on social media during the meeting, use our #AAAAI23 hashtag so patients and other colleagues can follow what you are learning.

## Have Fun While Supporting A/I Research

Fun and camaraderie with your fellow attendees await you at the AAAAI Foundation's events: Saturday's Benefit at the San Antonio Marriott Rivercenter and Sunday's 5k Run/Walk in Hemisfair Park. By registering and attending, you are helping fund A/I research that will improve the lives of your patients.

We wish you a safe and fulfilling educational and networking experience as you reconnect with colleagues during your time in San Antonio.

Sincerely,



David A. Khan, MD FAAAAI  
AAAAI President



Joshua A. Boyce, MD FAAAAI  
Chair, Annual Meeting Program Committee

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AAAAI-0123-100

**Adverse Events Reporting Module:** The AAAAI Registry hosts a real-time immunotherapy safety reporting module. Protect in-office compounding of allergen extracts by participating in allergen immunotherapy safety data collection.

**New!**

**Make 2023  
the year  
YOU get  
connected.**

**Come see us  
in the Practice  
Management Hub**  
Convention Center,  
Lobby Level,  
Hall 1 Concourse

# The AAAAI Registry

**Quality Clinical Data Registry:** The AAAAI Registry hosts the only option for reporting specialty-developed Allergy/Immunology quality measures in the Merit-Based Incentive Payment System (MIPS) that reflect your practice:

- Asthma Control: Minimal Important Difference Improvement
- Appropriate Removal or Confirmation of Penicillin Allergy
- Assessment of Asthma Control
- Achievement of Projected Dose of Standardized Allergens in Patients on Immunotherapy for at least 1 Year

**Increase your CMS reimbursement • Get ABAI Part IV MOC credits •  
Complete Improvement Activity/Promoting Interoperability requirements**

**[www.aaaai.org/registry](http://www.aaaai.org/registry)**

The AAAAI Quality Clinical Data Registry is provided as a service to our members in conjunction with ArborMetrix



Because **Practice Matters!** to the AAAAI



# Annual Meeting Program Committee and Reviewers

## Leadership

Joshua A. Boyce, MD FAAAAI, Chair  
Julie Wang, MD FAAAAI, Vice Chair

## Interest Section Chairs, Vice Chairs and Secretaries

### Anaphylaxis, Dermatology and Drug Allergy (ADDA)

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Alan P. Baptist, MD MPH FAAAAI, ADT Secretary

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Lisa R. Forbes Sattler, MD FAAAAI, BCI Secretary

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Jill Poole, MD FAAAAI, EORD Vice Chair  
Michelle L. Hernandez, MD FAAAAI, EORD Secretary

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Christina Ciaccio, MD FAAAAI, FAED Vice Chair  
Rima A. Rachid, MD FAAAAI, FAED Secretary

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Sujani Kakumanu, MD FAAAAI, HEDQ Secretary

### Immunotherapy, Rhinitis, Sinusitis, and Ocular diseases (IRSO)

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Christopher Calabria, MD FAAAAI, IRSO Vice Chair  
Tolly Epstein, MD MS FAAAAI, IRSO Secretary

### Mechanisms of Asthma and Allergic Inflammation (MAAI)

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Angela Haczku, MD PhD FAAAAI, MAAI Vice Chair  
Magdalena M. Gorska, MD PhD FAAAAI, MAAI Secretary

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Jay Portnoy, MD FAAAAI, Co-Chair

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Copies of all Annual Meeting Program Committee and CCPE Committee disclosure information is available online at the Annual Meeting website and in the Speaker Resource Room.

## Interest Section Volunteer Reviewers

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Paul V. Williams, MD FAAAAI  
Benjamin L. Wright, MD FAAAAI  
Eveline Y. Wu, MD FAAAAI

## AAAAI FOUNDATION Run/Walk SAN ANTONIO, TX



**It's better to run  
together!**

Get a team of four and  
participate in the Run/Walk  
team competition.

Email [foundation@aaaai.org](mailto:foundation@aaaai.org)  
for more info.

For more information, visit  
<https://www.aaaaifoundation.org/special-events/runwalk>



Better Health. Brighter Future







# *Annual Benefit*

## —2023—

Celebrating and Supporting Research

*Join us February 25, 2023*

for an evening of fine food, great music and the presentation of our

*2023 Faculty Development Awards*

San Antonio Marriott Rivercenter • 7:00 pm - 10:00 pm • Cocktail Attire

Ticket Prices: \$300 - Patron

\$3,000 - Table of 10

\$200 - NAIA/Allied Health

\$125 - Student

Registration available with your Annual Meeting registration or  
by visiting [www.aaaafoundation.org/special-events/benefit](http://www.aaaafoundation.org/special-events/benefit)

Sponsored by:


**Genentech**  
*A Member of the Roche Group*

## Abstracts

Abstracts programmed at the 2023 Annual Meeting were published as an online supplement to *The Journal of Allergy and Clinical Immunology* (JACI) and can be accessed on the JACI website, [jacionline.org](http://jacionline.org).

## Admission to Sessions

Admission to Annual Meeting educational sessions is reserved for meeting registrants and registered members of the press only. Guests and exhibitors will not be admitted to educational sessions. Ushers will monitor the name badges of all meeting attendees to control access to educational sessions.

Some sessions require tickets for entry, which are indicated in this program with a ticket icon.  Ticketed sessions have limited attendance and an additional fee. All educational sessions requiring such fees will be noted in the sessions by day schedule. Please visit the Registration Desk to register for ticketed sessions. In consideration of state fire codes and as a courtesy to others, those without tickets will not be allowed access into ticketed sessions.

## American Academy of Allergy, Asthma & Immunology Foundation (AAAAI Foundation)

### Convention Center, Lobby Level, Hall 1 Concourse

Visit the AAAAI Foundation desk to learn more about our 2023 Lectureship Series, Faculty Development Awards and special events.

- Purchase and pick up your Annual Benefit tickets
- Register for and pick up your Run/Walk race packets
- Purchase Running with the President and New Allergist/Immunologist Assembly Ribbons.

You can make a donation to the AAAAI Foundation's GAIN Campaign at any time by pressing the DONATE icon on the Annual Meeting app or visiting our website [aaaaifoundation.org/give](http://aaaaifoundation.org/give)

### Foundation Booth Hours:

Thursday, February 23	12:00 to 7:00 pm
Friday, February 24	7:30 am to 4:00 pm
Saturday, February 25	7:30 am to 4:00 pm
Sunday, February 26	7:30 am to 4:00 pm

## AAAAI Journals

### Convention Center, Lobby Level, Hall 1 Concourse

Key representatives from *The Journal of Allergy and Clinical Immunology* (JACI), the most-cited allergy/immunology journal, and sister journals *The Journal of Allergy and Clinical Immunology: In Practice* (JACI: *In Practice*) and *The Journal of Allergy and Clinical Immunology: Global* (JACI: *Global*) will be available to answer your questions regarding subscriptions and submissions.

## Annual Meeting Mobile App

### Sponsored by AstraZeneca

The AAAAI has a mobile app dedicated to the 2023 Annual Meeting. This app features tools allowing you to search by speaker or session type, organize your schedule, evaluate speakers and sessions, claim credits, respond to polls and ask questions in sessions, stay current with changes as they occur during the meeting, and navigate the Convention Center with floor plans and exhibitor information. Download the 2023 Annual Meeting app from the App Store or Play Store on your mobile device.

## Associates to the AAAAI

See *Hospitality Suite*.

## ATMs

The Convention Center has two ATMs located on the Lobby Level. In the main lobby, the ATM is located right outside of Market Café. In the west lobby, the ATM is located across from the El Puente Food Market.

## Business Center

The Henry B. González Convention Center's Business Center is located on the Lobby Level, just inside of the main entrance. Services include photocopying, computer workstations, fax services, UPS services and office supplies.

## Case Report Poster Session

### Convention Center, Lobby Level, Hall 2

The Case Report Poster Sessions are open on Friday, February 24 from 3:15 to 4:15 pm; Saturday, February 25 and Sunday, February 26 from 9:45 to 10:45 am.

## Charging Lounges

Relax between sessions and recharge your electronic devices or connect with colleagues in these lounges. We are pleased to offer 4 locations this year. Charging lounge locations are as follows:

### Convention Center, Hall 2:

*Sponsored by GSK*

**Convention Center, Lobby Level, Hall 2, 1100 Aisle**

*Sponsored by Sanofi and Regeneron*

**Convention Center, Lobby Level, Hall 2, 1900 Aisle**

### Convention Center Concourses:

*Sponsored by Takeda*

**Convention Center, Ballroom Level, Stars at Night Pre-Function**

*Sponsored by Sanofi and Regeneron*

**Convention Center, Ballroom Level, Hemisfair Pre-Function**

## Children and Guests

The AAAAI asks delegates to refrain from taking children, spouses or guests to any educational session offered at the 2023 Annual Meeting. Registered guests are welcome to relax in the Hospitality Suite or visit the Exhibit Hall; however, an adult must accompany children under the age of 18 at all times. Most San Antonio hotels can provide their guests with a list of independent babysitters and babysitting agencies frequently used by visitors. For more information, please contact the concierge at the appropriate hotel.

## Emergency

In the event of an emergency, please use any telephone available (including courtesy phones located throughout the Convention Center) to call the *In-House Security Division at (210) 207-7773*. At the Marriott, dial 0 from any house phone. At the Hyatt, dial 55 from any house phone.

## Evaluations

Delegates will be able to provide feedback on their experiences at the Annual Meeting in two ways:

Participants will be asked to provide input on the educational program of the 2023 Annual Meeting through the online CME Claim System when claiming credit for participation.

Delegates can provide feedback on Annual Meeting faculty members and the sessions they attend by using the mobile app.

## Exhibits

### Convention Center, Lobby Level, Hall 2

The exhibiting companies and organizations will provide you with the latest information on products and services available to physicians, researchers and allied health professionals in the field of allergy/immunology. The directory on page 110 will provide you with the information you need to take full advantage of the opportunities offered by exhibitors.

Please allow adequate time in your daily schedule to visit the exhibits. Take time to speak with representatives of companies that provide services or market products directly related to your professional interests.

### Exhibit Hours

Friday, February 24	9:45 am to 4:15 pm
Saturday, February 25	9:45 am to 3:15 pm
Sunday, February 26	9:45 am to 6:15 pm

## First Aid

### Convention Center, Lobby Level, Hall 2, Room H2-01

Non-emergency medical services are available in the First Aid room during event hours.

## Food Outlets

There are coffee, food and beverage vendors located throughout the Convention Center. There are also restaurants in both co-headquarter hotels.

## Handouts

Handouts at the 2023 Annual Meeting will be available in two ways:

- **Online Handouts**

The most up-to-date versions of the 2023 Annual Meeting handouts are available to meeting delegates at [annualmeeting.aaaai.org](http://annualmeeting.aaaai.org) during and after the Annual Meeting, and in the session listings in the mobile app. Delegates are able to view, download and print available session handouts. Handouts can be searched by session number, session title or a speaker's last name.

- **Handout Printing Station**

Hyatt, Third Floor near Bonham A

## Hospitality Suite

### Marriott Rivercenter, Third Floor, Conference Room 5

Attendees with guest badges are welcome to relax in the Hospitality Suite. Stop in for information on local attractions and shopping, or just relax and enjoy some friendly conversation.

### Hospitality Suite Hours

Saturday, February 25	8:00 am to 12:00 pm
Sunday, February 26	8:00 am to 12:00 pm
Monday, February 27	8:00 am to 12:00 pm

## Lost and Found

### Convention Center, Lobby Level, Hall 1 Concourse

In the event that you have lost or found a personal belonging, please see the AAAAI Registration Desk to either turn in or report a lost item. Please be prepared to provide a detailed description of your missing article. Items not claimed within 60 days of the last event date will be discarded. AAAAI is not responsible for any lost or missing items.

## Luggage Storage

### Convention Center, Lobby Level, Hall 2

Complimentary storage for luggage will be available on Monday, February 27 from 7:00 am until 4:00 pm.

## Member Resource Center

### Convention Center, Lobby Level, Hall 1 Concourse

Visit the AAAAI Member Resource Center to:

- Take advantage of Annual Meeting discounts on all public education products.
- Pay your dues, update your membership information or learn how to become a member.

### Member Resource Center Hours

Thursday, February 23	12:00 to 6:00 pm
Friday, February 24	7:30 am to 4:00 pm
Saturday, February 25	7:30 am to 4:00 pm
Sunday, February 26	7:30 am to 4:00 pm
Monday, February 27	7:30 am to 2:00 pm



## Name Badges

All registered attendees at the 2023 Annual Meeting will receive a name badge as part of their on-site registration package. These badges have a QR code on the back that is embedded with the attendee's name, mailing address, phone number and email address. Delegates may choose to allow their badges to be scanned in the Exhibit Hall and give their contact information to specific exhibitors.

*Please note: When you allow an exhibitor/sponsor to scan your badge, you are authorizing them to contact you and send you materials via postal mail, phone number and/or email. The AAAAI cannot be responsible for the use of your contact information once you have given it to an exhibitor/sponsor.*

## Networking Lounge

Relax between sessions and connect with colleagues.

### Hyatt:

*Sponsored by Sanofi and Regeneron*

**Hyatt, Fourth Floor, Texas Pre-Function**

## Nursing/Lactation Room

**Convention Center, Lobby Level, corridor between Halls 3 & 4**

**Convention Center, Meeting Room Level, adjacent to Room 215**

The Convention Center offers two Nursing Mother's Rooms for nursing guests. Rooms are available during all event hours and are first-come, first-served.

## Photography

Personal photography is allowed within the educational sessions and the Poster Hall, unless the speaker or poster presenter explicitly states otherwise. A camera icon with a black circle and slash on posters or slides indicates that picture taking is not allowed. Delegates are also welcome to take photographs at all other AAAAI functions and activities.

Please be mindful to turn off your flash during a presentation. A professional photographer will be on site to document the Annual Meeting. By registering for and taking part in the Annual Meeting, your photo may be taken and used in future promotional materials. If you do not want your photo used, please inform the staff photographer at the time the photograph is taken.

## Poster Hall

**Convention Center, Lobby Level, Hall 2**

The poster sessions, featuring presentations of abstracts in thematic groupings, are open Friday through Sunday. Authors will be present with their posters from 3:15 to 4:15 pm on Friday and 9:45 to 10:45 am on Saturday and Sunday.

### Poster Hall Hours

Friday, February 24	7:00 am to 6:00 pm
Saturday, February 25	7:00 am to 6:00 pm
Sunday, February 26	7:00 am to 6:15 pm

## Practice Management Hub

**Convention Center, Lobby Level, Hall 1 Concourse**

**Supporting every area of your practice every day.** Visit the AAAAI Practice Management Hub for the latest information on compounding standards and get hands-on experience with the requirements. Practice management experts will be on hand daily to answer questions on topics like compounding, coding conundrums, penicillin allergy testing, negotiation strategies, and more. Come share with us your advocacy, practice management, and patient access priorities. Check signage for specific topics, hours and experts. Meet your colleagues here.

### Practice Management Hub Hours:

Friday, February 24	12:00 to 4:00 pm
Saturday, February 25	8:00 am to 5:00 pm
Sunday, February 26	8:30 am to 4:00 pm
Monday, February 27	9:00 am to 12:00 pm

## Press Room

**Convention Center, Meeting Room Level, Room 208**

Members of the press representing print, broadcast and electronic consumer media, as well as healthcare trade media, are invited to attend the 2023 Annual Meeting if they have pre-registered at [annualmeeting.aaaai.org](http://annualmeeting.aaaai.org). To claim a press pass on site, journalists must provide media identification or a business card issued by their news organization. Freelance writers must provide a letter of assignment on a news organization letterhead or bylined articles from a recognized news organization. Press passes will only be issued to journalists representing the editorial staff of print, broadcast or internet media. Journalists must display their press passes at all times while attending the meeting or covering meeting-sponsored events.

The AAAAI does not issue press passes to: a publication's advertising, marketing, public relations or sales representatives; publishers, editors or reporters from manufacturers' in-house or promotional publications; public relations staff of exhibitors or educational institutions; writers creating analyses or reports sold as a commodity to customers; or other individuals who are not actually reporting on the meeting or on behalf of a specific media outlet. Exhibitors may not register as press. Journalists must also follow AAAAI Health and Safety Protocols including vaccination requirements.


## Quiet Reflection Room

**Convention Center, Meeting Room Level, Room 209**

This room has been designated for prayer and meditation and is available for use at the Annual Meeting during the regular hours of operation.

## Recording of Sessions

Individual recording of educational sessions is not permitted.

Recordings of the Annual Meeting will be available online approximately two weeks after the conclusion of the live meeting. The recordings include presentation slides along with video and audio for the Plenary and Keynote sessions, and presentation slides synchronized with the audio recordings for selected courses, symposia, Interest Section Forums, workshops, pro/con debates and allied health sessions. Sessions included in the Virtual Annual Meeting are indicated with  in this program.

## Registration Desk

### Convention Center, Lobby Level, Hall 1 Concourse

Visit the Registration Desk to pick up your name badge, tickets and registration bag. You can also purchase tickets and register on site.

### Registration Desk Hours

Thursday, February 23	12:00 to 7:00 pm
Friday, February 24	6:30 am to 5:00 pm
Saturday, February 25	6:30 am to 5:00 pm
Sunday, February 26	6:30 am to 5:00 pm
Monday, February 27	6:30 am to 3:00 pm

## Ribbons

Ribbons are available at a kiosk located near the Registration Desk.

## Smoking

Smoking is prohibited at all 2023 Annual Meeting sessions and events.

## Speaker Disclosures

Copies of all speakers' disclosure information are available online at the Annual Meeting website and in the Speaker Resource Room.

## Speaker Resource Room

### Convention Center, Meeting Room Level, Room 220

All speakers are asked to report to the Speaker Resource Room immediately upon arrival in San Antonio to deliver their presentation materials. Computers and technical support are available for speakers to use in this room. Individuals will receive their speaker ribbons in the Speaker Resource Room.

### Speaker Resource Room Hours

Wednesday, February 22	4:00 to 6:00 pm
Thursday, February 23	6:30 am to 6:00 pm
Friday, February 24	6:30 am to 6:00 pm
Saturday, February 25	6:30 am to 6:00 pm
Sunday, February 26	6:30 am to 6:00 pm
Monday, February 27	6:30 am to 3:00 pm

## Special Dietary Requirements

If items on the daily, pre-arranged menu do not meet your special dietary requirements (e.g., allergies, kosher) an alternative option can be made available. Please notify an AAAAI staff member at the Registration Desk to ensure arrangements are made. Special arrangements require at least 24 hours advance notice. Vegetarian options will be available at all functions with food. If you are a vegetarian, please inform the server assigned to the room at the beginning of the session that you would like a vegetarian selection.

## Ticket Exchange

Tickets to available sessions will be sold at the on-site registration desk. Please check the session monitor for available sessions. To exchange or cancel a session ticket, please bring the ticket to the Assisted Registration Desk no less than 30 minutes prior to the start of the session. Refunds for returned tickets will be mailed from the AAAAI executive office after the meeting.

## Time Zone

All events are listed in Central Standard Time (CST).

## Training Stations

### Convention Center, Lobby Level, Hall 2

Training stations provide Annual Meeting delegates the opportunity to get hands-on practice with allergy/immunology devices and procedures as well as personalized instruction from peers with appropriate expertise. Participation is on a first-come, first-served basis and is open to any registered delegate. Participants can earn continuing education credit for time spent in the training stations.

The 2023 stations will feature three options:

### Saturday, February 25, 12:00 to 2:00 pm

2401 Patch Testing: Basics and Beyond

2402 Current and Emerging Digital Technologies in Asthma

### Sunday, February 26, 12:00 to 2:00 pm

3401 Oral Food Challenges (OFCs)

For complete details, please see the [Online Program](#).

## Tweet Up

Thursday, February 23, 5:00 to 6:00 pm

### Yard House Restaurant (River Walk)

849 E. Commerce Street

Are you interested in Twitter and social media? Do you use social media to promote your practice or other allergy/immunology topics? Join others who share your interest at the Tweet Up.

# Meeting Information

## Wellness Sessions

### Hyatt, Third Floor, Presidio C

Start your day off right with a morning rise and shine yoga flow session.

Friday, February 24	6:00 to 7:00 am
Saturday, February 25	6:00 to 7:00 am
Sunday, February 26	6:00 to 7:00 am
Monday, February 27	6:00 to 7:00 am

### Convention Center, Meeting Room Level, Room 211

Take a moment to recharge your mind and body with these wellness sessions.

Friday, February 24	
Myo Yin Yoga	7:45 to 8:15 am
Guided Breathwork and Meditation	11:30 am to 12:00 pm
Saturday, February 25	
Guided Breathwork and Sound Bowls	10:00 to 10:30 am
Chair Yoga	12:00 to 12:30 pm
Guided Breathwork and Meditation	1:30 to 2:00 pm
Sunday, February 26	
Myo Yin Yoga	10:00 to 10:30 am
Guided Breathwork and Sound Bowls	12:00 to 12:30 pm
Chair Yoga	1:30 to 2:00 pm

## WiFi

Complimentary WiFi access is available at the Convention Center and in all meeting spaces throughout the Hyatt and Marriott Rivercenter.

### Convention Center

*Sponsored by Sanofi and Regeneron*

Wireless Network: DUPIXENT(dupilumab)

Password: DUPIXENT

### Hyatt and Marriott Rivercenter

*Sponsored by AstraZeneca*

Wireless Network: FASENRA

Password: MoveForward

Please remember that passwords are case sensitive.



Because **Practice Matters!** to the AAAAI

## Cultivating Your Practice

AAAAI PRACTICE MANAGEMENT WORKSHOP  
Minneapolis, MN • July 28-30, 2023

**Learn more at the Practice Management Hub**  
Convention Center, Lobby Level, Hall 1 Concourse

**AAAAI** American Academy of  
Allergy Asthma & Immunology



*Show your support for the  
AAAAI Foundation with a*

*I'm Running with the  
President*

*Ribbon*



FOUNDATION

American Academy of Allergy,  
Asthma & Immunology Foundation

Running with the  
President Ribbon:  
\$100

NAIA Ribbon:  
\$50

Visit the AAAAI Foundation Booth to purchase ribbons

# Business and Committee Meetings

## **AAAAI Annual Business Meeting**

Monday, February 27, 8:15 to 9:15 am  
Convention Center, Lobby Level, Hall 1

All AAAAI Fellows and members should attend the annual Business Meeting. Breakfast will be provided. No fee. No pre-registration required.

## **Associates to the AAAAI Breakfast and Business Meeting**

Saturday, February 25, 9:00 to 10:30 am  
Marriott Rivercenter, Third Floor, Conference Room 20

## **Interest Section Forums**

Sunday, February 26, 3:30 to 4:30 pm  
AAAAI Fellows and members, as well as other delegates, are invited to attend an Interest Section Forum. Each interest section of the AAAAI will host a separate forum. Fellows and members may designate their interest section affiliation, while non-members may inquire about AAAAI membership opportunities. Continuing education credits are available for these activities. See page 35 for more information.

## **AAAAI Assembly/Board/Division Committee Meetings**

If you are a current member of an AAAAI assembly, Board or division committee, please plan to attend your committee meeting. Committee meetings are open to current AAAAI members only. All members of these committees must be named by the AAAAI President-Elect. If you are an AAAAI member and you are interested in becoming a member of any of these committees, please contact the AAAAI executive office at (414) 272-6071 or [info@aaaai.org](mailto:info@aaaai.org).

### **Advocacy Committee**

Sunday, February 26, 12:30 to 1:30 pm  
Marriott Rivercenter, Third Floor, Grand M

### **AI Division Directors Committee**

Sunday, February 26, 12:30 to 1:30 pm  
Marriott Rivercenter, Third Floor, Grand I

### **Allergy/Immunology Clinical Rotation Curriculum Committee**

Saturday, February 25, 7:00 to 8:00 am  
Marriott Rivercenter, Third Floor, Grand J

### **Allied Health Education Committee**

Saturday, February 25, 2:00 to 3:00 pm  
Convention Center, Meeting Room Level, Room 218

### **Annual Meeting Program Committee**

Monday, February 27, 11:00 am to 1:00 pm  
Convention Center, Meeting Room Level, Room 214A

### **Awards Committee**

Sunday, February 26, 12:00 to 1:30 pm  
Marriott Rivercenter, Third Floor, Conference Room 18

### **Continuing Certification and Professional Education Committee**

Saturday, February 25, 5:00 to 6:00 pm  
Marriott Rivercenter, Third Floor, Grand A

### **Core Curriculum, Education & Residency Review Subcommittee**

Saturday, February 25, 12:30 to 1:30 pm  
Marriott Rivercenter, Third Floor, Grand B

## **New Allergist/Immunologist Assembly (NAIA) Business Meeting and Reception**

*Sponsored by BioCryst*

Saturday, February 25, 4:45 to 6:15 pm  
Marriott Rivercenter, Third Floor, Grand D

## **Program Directors Assembly (PDA) Forum and Networking Luncheon**

Friday, February 24, 12:00 to 1:30 pm  
Marriott Rivercenter, Third Floor, Grand H

## **RSLAAIS Reception, Business Meeting and Forum**

Friday, February 24, 4:45 to 6:30 pm  
Convention Center, Meeting Room Level, Room 205  
**Closing the Revolving Door; Proven Staff Retention Strategies**  
Priya Bansal, MD FAAAAI, Moderator

### **Federation of RSLAAIS Governors Meeting**

Saturday, February 25, 2:00 to 3:15 pm  
Convention Center, Meeting Room level, Room 224

### **Fellows-In-Training Committee**

Saturday, February 25, 7:00 to 8:00 am  
Marriott Rivercenter, Third Floor, Grand H

### **Grant Review Committee**

Sunday, February 26, 8:00 to 9:00 am  
Marriott Rivercenter, Second Floor, Pearl 2

### **In-Training Examination Committee**

Sunday, February 26, 12:30 to 2:30 pm  
Marriott Rivercenter, Third Floor, Grand K

### **Office of Medical Education Committee**

Sunday, February 26, 12:30 to 1:30 pm  
Marriott Rivercenter, Third Floor, Grand L

### **Office of Practice Management**

Saturday, February 25, 12:30 to 1:30 pm  
Marriott Rivercenter, Second Floor, Pearl 1

### **Program Directors Assembly Executive Committee**

Sunday, February 26, 7:00 to 8:00 am  
Marriott Rivercenter, Third Floor, Grand B

### **Veterans Health Administration Allergists Committee**

Saturday, February 25, 7:00 to 8:00 am  
Marriott Rivercenter, Second Floor, Pearl 1

# Business and Committee Meetings

## **AAAAI Interest Section Committee Meetings**

Committee meetings are held during the Annual Meeting for the purpose of conducting AAAAI related business. If you're a current member of an interest section committee, please plan to attend your committee meeting. If you are an AAAAI member and you are interested in joining an interest section committee, please attend the meeting and notify the chair that you are interested in joining. For more information on AAAAI committees, please contact the AAAAI executive office at (414) 272-6071 or [info@aaaai.org](mailto:info@aaaai.org).

### ***Adverse Reactions to Drugs, Biologics and Latex Committee***

Saturday, February 25, 12:30 to 1:30 pm  
Marriott Rivercenter, Third Floor, Grand H

### ***Adverse Reactions to Foods Committee***

Saturday, February 25, 6:15 to 7:45 am  
Marriott Rivercenter, Third Floor, Grand G

### ***Aerobiology Committee***

Saturday, February 25, 12:30 to 1:30 pm  
Marriott Rivercenter, Third Floor, Grand I

### ***Allergic Fungal Respiratory Diseases Committee***

Sunday, February 26, 6:45 to 7:45 am  
Marriott Rivercenter, Third Floor, Grand A

### ***Allergic Skin Diseases Committee***

Saturday, February 25, 7:00 to 8:00 am  
Marriott Rivercenter, Third Floor, Grand D

### ***Anaphylaxis Committee***

Sunday, February 26, 7:00 to 8:00 am  
Marriott Rivercenter, Third Floor, Grand I

### ***Asthma and Allergic Diseases in Older Adults Committee***

Sunday, February 26, 12:30 to 1:30 pm  
Marriott Rivercenter, Second Floor, Pearl 1

### ***Asthma, Cough, Diagnosis and Treatment Committee***

Saturday, February 25, 7:00 to 8:00 am  
Marriott Rivercenter, Third Floor, Grand B

### ***Autoimmunity and Altered Immune Response Committee***

Friday, February 24, 6:00 to 7:00 pm  
Marriott Rivercenter, Third Floor, Grand M

### ***Cells and Mediators of Allergic Inflammation Committee***

Sunday, February 26, 12:30 to 1:30 pm  
Marriott Rivercenter, Second Floor, Pearl 2

### ***Diversity, Equity and Inclusion Committee***

Saturday, February 25, 2:00 to 3:00 pm  
Marriott Rivercenter, Third Floor, Grand E

### ***Environmental Exposures and Respiratory Health Committee***

Friday, February 24, 12:00 to 1:00 pm  
Marriott Rivercenter, Third Floor, Grand M

### ***Eosinophilic Gastrointestinal Disorders Committee***

Saturday, February 25, 12:30 to 1:30 pm  
Marriott Rivercenter, Third Floor, Grand D

### ***Genetics, Molecular Biology and Epidemiology Committee***

Saturday, February 25, 7:00 to 8:00 am  
Marriott Rivercenter, Third Floor, Grand K

### ***Health Informatics, Technology & Education Committee***

Saturday, February 25, 9:45 to 10:45 am  
Marriott Rivercenter, Third Floor, Grand D

### ***Immunotherapy, Allergen Standardization and Allergy Diagnostics Committee***

Sunday, February 26, 6:45 to 8:00 am  
Marriott Rivercenter, Third Floor, Grand H

### ***Integrative Medicine Committee***

Sunday, February 26, 12:30 to 1:30 pm  
Marriott Rivercenter, Third Floor, Grand J

### ***Mast Cells Disorders Committee***

Friday, February 24, 12:00 to 1:00 pm  
Marriott Rivercenter, Third Floor, Grand J

### ***Microbes in Allergy and Asthma Committee***

Sunday, February 26, 8:00 to 9:00 am  
Marriott Rivercenter, Second Floor, Pearl 1

### ***Occupational Diseases Committee***

Sunday, February 26, 12:30 to 1:30 pm  
Marriott Rivercenter, Third Floor, Grand B

### ***Practice, Diagnostics and Therapeutics Committee***

Sunday, February 26, 7:00 to 8:00 am  
Marriott Rivercenter, Third Floor, Conference Room 18

### ***Practice Management Committee***

Sunday, February 26, 12:30 to 1:30 pm  
Marriott Rivercenter, Third Floor, Grand D

### ***Primary Immunodeficiency Disease Committee***

Saturday, February 25, 1:30 to 2:30 pm  
Marriott Rivercenter, Third Floor, Grand J

### ***Quality, Adherence and Outcomes Committee***

Saturday, February 25, 7:00 to 8:00 am  
Marriott Rivercenter, Third Floor, Grand L

### ***Rhinitis, Rhinosinusitis, and Ocular Allergy Committee***

Sunday, February 26, 7:00 to 8:00 am  
Marriott Rivercenter, Third Floor, Grand J

### ***SA<sup>3</sup>MPRO™***

Sunday, February 26, 7:00 to 8:00 am  
Marriott Rivercenter, Third Floor, Grand L

### ***Sports, Exercise and Fitness Committee***

Sunday, February 26, 7:00 to 8:00 am  
Marriott Rivercenter, Third Floor, Grand M

### ***Vaccines Committee***

Friday, February 24, 6:00 to 7:00 pm  
Marriott Rivercenter, Third Floor, Grand L

### ***Women's Health A/I Committee***

Sunday, February 26, 12:30 to 1:30 pm  
Marriott Rivercenter, Third Floor, Grand G



# Other Meetings and Events

## Other AAAAI Meetings (Invitation Only)

### **2023 Leadership Institute Course**

Friday, February 24, 8:00 am to 12:00 pm  
Marriott Rivercenter, Third Floor, Grand G

### **AAAAI Past Presidents and Honorary Award Recipients Luncheon**

Saturday, February 25, 12:00 to 1:30 pm  
Marriott Rivercenter, Third Floor, Conference Room 20

### **Allied Health Assembly Reception**

Friday, February 24, 5:15 to 6:30 pm  
Convention Center, Meeting Room Level, Room 214A

### **Chrysalis Project Participant Welcome and Registration**

Thursday, February 23, 6:00 to 7:00 pm  
Marriott Rivercenter, Third Floor, Grand B

### **Chrysalis Project Program**

Friday, February 24, 7:30 am to 1:30 pm  
Marriott Rivercenter, Third Floor, Grand I

### **Chrysalis Project Reception**

Saturday, February 25, 6:00 to 7:00 pm  
Marriott Rivercenter, Third Floor, Grand E

### **Faculty Development Program Reunion Luncheon**

Sunday, February 26, 12:00 to 1:00 pm  
Convention Center, Meeting Room Level, Room 224

### **FIT Reception**

Friday, February 24, 5:00 to 6:00 pm  
Marriott Rivercenter, Third Floor, Grand E

### **Immunodeficiency Practice Parameter Work Group**

Saturday, February 25, 12:00 to 2:00 pm  
Marriott Rivercenter, Third Floor, Grand K

### **JACI Associate Editors Meeting**

Monday, February 27, 6:45 to 8:00 am  
Marriott Rivercenter, Third Floor, Grand K

### **JACI Editorial Board Meeting**

Sunday, February 26, 7:00 to 8:00 am  
Marriott Rivercenter, Third Floor, Grand D

### **JACI: Global Editorial Board Meeting**

Sunday, February 26, 12:30 to 1:45 pm  
Hyatt, Third Floor, Presidio C

### **JACI Journals' Reviewer Forum and Reception**

Sunday, February 26, 4:45 to 6:30 pm  
Convention Center, Meeting Room Level, Room 205

### **JACI: In Practice Editorial Board Meeting**

Saturday, February 25, 7:00 to 8:00 am  
Marriott Rivercenter, Third Floor, Grand I

### **NAIA Leadership Meeting**

Sunday, February 26, 12:30 to 1:30 pm  
Marriott Rivercenter, Third Floor, Conference Room 20

### **NAIA/FIT Mentoring Program Coffee Connect**

Friday, February 24, 3:15 to 4:45 pm  
Marriott Rivercenter, Third Floor, Grand B

### **Patient Advocacy Organization Breakfast**

Friday, February 24, 7:00 to 10:00 am  
Marriott Rivercenter, Third Floor, Grand B

## Other Meetings and Events

### **Allergists for Israel Board Meeting**

Friday, February 24, 5:00 to 6:00 pm  
Marriott Rivercenter, Third Floor, Grand K

### **Allergists for Israel Religious Service**

Friday, February 24, 5:30 to 7:00 pm  
Marriott Rivercenter, Second Floor, Southtown 3

### **Allergists for Israel Religious Service**

Saturday, February 25, 6:30 to 8:30 am  
Marriott Rivercenter, Second Floor, Southtown 3

### **Allergists for Israel Religious Service**

Saturday, February 25, 5:30 to 7:30 pm  
Marriott Rivercenter, Second Floor, Southtown 3

### **Allergists for Israel Religious Service**

Sunday, February 26, 6:30 to 8:30 am  
Marriott Rivercenter, Second Floor, Southtown 3

### **Allergists for Israel Religious Service**

Sunday, February 26, 5:00 to 6:00 pm  
Marriott Rivercenter, Second Floor, Southtown 3

### **Allergists for Israel Religious Service**

Monday, February 27, 7:00 to 9:00 am  
Marriott Rivercenter, Second Floor, Southtown 3

### **Allergists for Israel Welcome Kiddush Reception**

Friday, February 24, 6:00 to 9:00 pm  
Marriott Rivercenter, Third Floor, Grand I

### **American Association of Allergists and Immunologists of Indian Origin (AAAI) Semi-Annual Meeting and Symposium**

Friday, February 24, 6:30 to 9:30 pm  
Marriott Rivercenter, Third Floor, Grand H

### **Cincinnati Children's Hospital Medical Center / University of Cincinnati Annual Reception**

Sunday, February 26, 9:00 to 11:00 pm  
Marriott Rivercenter, Third Floor, Grand A

### **Immune Tolerance Network ITN097AD ZENITH Study Investigator Meeting**

Friday, February 24, 3:00 to 5:00 pm  
Hyatt, Third Floor, Travis AB

### **International FPIES Association (I-FPIES) Medical Advisory Board Meeting**

Sunday, February 26, 9:30 am to 11:30 pm  
Marriott Riverwalk, Ballroom Level, Travis

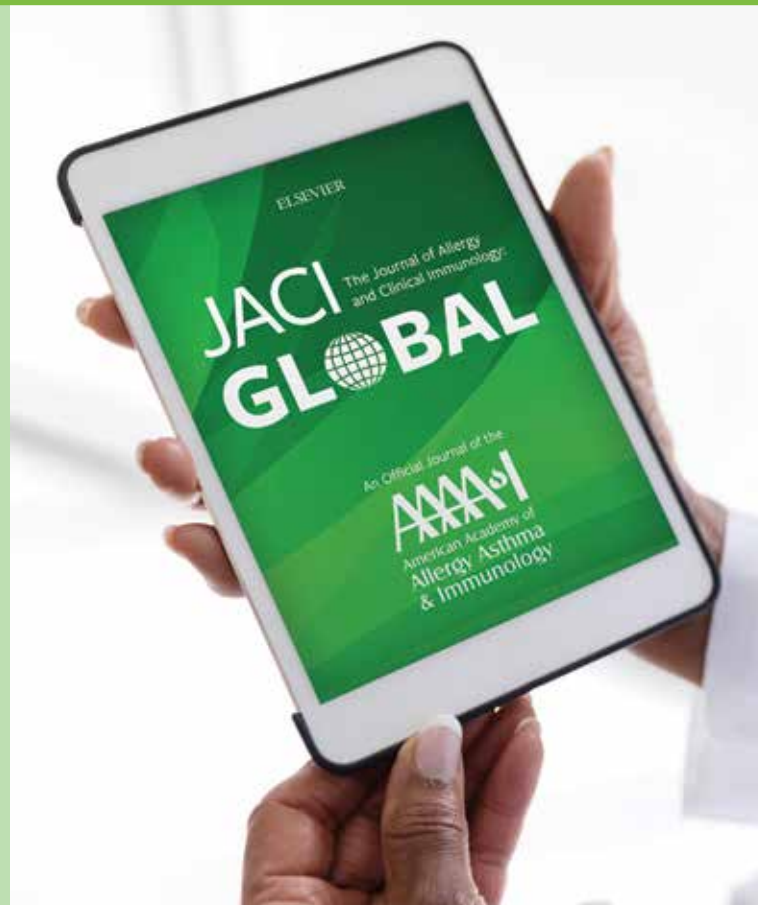
### **National Jewish Health Faculty and Fellows Reception**

Sunday, February 26, 9:00 to 11:00 pm  
Hyatt, Third Floor, Presidio BC

# The Journal of Allergy and Clinical Immunology: Global Marks First Year in Publication

# JACI The Journal of Allergy and Clinical Immunology: GLOBAL

The Journal of Allergy and Clinical Immunology: Global, joined the AAAAI's Family of Journals in 2021 as the organization's Gold Open Access Journal. Since then, the journal has reached thousands of readers around the world, and is available to anyone with internet access. In addition to the quarterly online issues, new content appears regularly in the Articles-in-Press section.



Visit the Journals booth near the Member Resource Center in San Antonio to learn more about the AAAAI family of journals and pick up your complimentary copies.

[www.jaci-global.org](http://www.jaci-global.org)

## Non-CME Educational Programs

### Friday, February 24

*These programs are not certified for continuing education credit. The content and opinions expressed are those of the sponsor and/or presenter(s) and are not necessarily those of the AAAAI.*

#### What Every Clinician Needs to Know About Type 2 Inflammation

Friday, February 24, 6:00 to 8:00 am CST

**Hyatt, Fourth Floor, Texas A**

*Sponsored by Sanofi and Regeneron*

From the esophageal epithelium to the airway to the outer dermis, explore the latest insights on type 2 inflammation and barrier dysfunction – explore the latest insights on how Type 2 Inflammation and barrier dysfunction – including prevalence, biomarkers, and localized effects – drive symptomatology and disease burden.

#### Advancing Therapeutic Conversations

Friday, February 24, 7:15 to 8:00 am

**Hyatt, Fourth Floor, Texas D**

*Sponsored by AbbVie*

*Speaker: Dr. Bob Geng*

Examining data to confidently support the RINVOQ benefit-risk discussion for adult and pediatric patients with refractory, moderate to severe atopic dermatitis (AD).

#### New Horizons in Severe Asthma: From the Airway Epithelium to Improved Patient Outcomes

Friday, February 24, 6:30 to 8:30 pm  
(Registration: 6:30 pm; Dinner will be provided)

**Hyatt, Fourth Floor, Texas A**

*Faculty: Monica Kraft, MD; Erika Gonzalez, MD; Jonathan Corren, MD*

*Supported by an independent educational grant from AstraZeneca.*

This *Interactive Showcase™* in severe asthma will keep attendees engaged as they progress through a series of educational modules, actively participating by web-based application via mobile device. During the first of three modules, attendees will proceed through an expert-guided poster tour briefly reviewing the underlying mechanisms of severe asthma. Following completion, attendees will attend a live expert roundtable session where faculty will discuss evolving management approaches, including the use of newer agents that target inflammatory mediators of disease. During the final module, attendees will participate in an interactive case study, applying information acquired to real-time management decisions.

Register now: [www.ExchangeCME.com/SASanAntonio](http://www.ExchangeCME.com/SASanAntonio)

Can't attend in person? Sign up for the live stream: [www.ExchangeCME.com/SASanAntonioVirtual](http://www.ExchangeCME.com/SASanAntonioVirtual)

#### Aiming for Clinical Remission – The Next Frontier

Friday, February 24, 6:30 to 8:30 pm CST

**Hyatt, Fourth Floor, Texas D**

*Sponsored by GSK*

*Speakers: William Busse, MD, John Oppenheimer, MD, Njira Lugogo, MD, Cedric J. Rutland, MD*

Join our allergy and pulmonary experts from across different practice areas as they discuss the next frontier of severe asthma care and the endpoints that may define clinical remission. Understand the unmet need that underlies this ambition and what we have learned and can apply from other disease areas. Debate next steps as we strive to raise the ambition of remission on treatment in patients with severe asthma.

#### Optimizing Biologic Therapy in Children with Moderate-to-Severe Atopic Dermatitis

Friday, February 24, 6:30 to 8:30 pm CST

Registration and Reception | 6:30 to 7:00 pm CST

Symposium and Panel Discussions | 7:00 to 8:30 pm CST

**Hyatt, Second Floor, Lone Star A**

*This activity is supported by an educational grant from Sanofi and Regeneron Pharmaceuticals.*

Atopic dermatitis (AD) typically manifests in infancy and is often the first presenter in a series of type 2 inflammatory diseases commonly referred to as “the atopic march”. While novel therapies have been recently made available for adults and teens, the treatment landscape for infants and children is finally catching up. In this multidisciplinary, interprofessional panel featuring allergists, dermatologists, physicians, a PA, eczema educator, and a parent/guardian of a child with AD, experts will discuss the pathophysiology of AD, new and emerging biologics for pediatric AD, and how to approach AD management with an effective team-based strategy. Attend in-person or via simulcast.

Register for the event at [www.RMEI.com/Atopic-Dermatitis-Feb-24](http://www.RMEI.com/Atopic-Dermatitis-Feb-24)

#### Advances in Managing Chronic Rhinosinusitis with Nasal Polyps: Practice-Changing Pearls for the Clinician

Friday, February 24, 8:30 to 9:30 pm CST

8:15 to 8:30 pm CST Registration & Dinner

8:30 to 9:30 pm CST Symposium

**Hyatt, Fourth Floor, Texas Ballroom C**

*This activity is provided by Med Learning Group. This activity is co-provided by AMEDCO.*

*This activity is supported by an independent medical education grant from Regeneron Pharmaceuticals, Inc. and Sanofi.*

In this program we will aim to: (1) enhance clinicians' knowledge of the relationship between CRSwNP endotypes and pathophysiology, which can inform clinical decision-making; (2) improve familiarity with data from clinical trials assessing the efficacy, safety, and tolerability of available and emerging therapeutic options; and (3) discuss how to implement strategies to identify those who are appropriate candidates for biologic therapy. We will use a combination of didactic lecture, video animations, and patient cases to effectively teach clinicians who manage this condition.

*Faculty:*

*Cecelia Damask, DO*

*Stella E. Lee, MD*

Registration link: [www.MLG-NP.com](http://www.MLG-NP.com)

## Saturday, February 25

*These programs are not certified for continuing education credit. The content and opinions expressed are those of the sponsor and/or presenter(s) and are not necessarily those of the AAAAI.*

### It Takes a Village: Two Multidisciplinary Panel Discussion Programs

Saturday, February 25, 6:00 to 8:00 am CST

**Hyatt, Fourth Floor, Texas D**

*Sponsored by GSK*

Join experts for two interactive disease state programs.

#### **Program 1: Crafting a Multidisciplinary Approach to EGPA/HES: What are the Next Steps in Diagnosis?**

6:00 to 6:45 am CST

*Speakers: Njira Lugogo, MD, Princess Ogbogu, MD, Philip Seo, MD*

Program 1 will focus on a case-based discussion of rare eosinophilic disorders, eosinophilic granulomatosis with polyangiitis (EGPA) and hypereosinophilic syndrome (HES). These diseases may present similarly and are often a diagnostic challenge. Come together as a village, taking a multidisciplinary, collaborative approach to facilitating the diagnosis and management of these diseases.

#### **Program 2: The Expected and Unexpected Roles of Key Inflammatory Mediators in CRSwNP**

7:00 to 7:45 am CST

*Speakers: Joshua Levy, MD, MPH, MSc along with Expert Allergist (TBD)*

Program 2 will focus on the expected and unexpected roles of key inflammatory mediators in chronic rhinosinusitis with nasal polyposis (CRSwNP), which are not fully understood. Join an allergy and ENT expert as they engage in an interactive discussion on the role of key inflammatory mediators in CRSwNP, including IgE, IL4, IL13, and IL5.

### Making the Rounds on Systemic Mastocytosis: Accelerating Diagnosis and Treatment

Saturday, February 25, 6:30 to 8:00 am

(Registration at 6:00 am; breakfast will be provided)

**Hyatt, Fourth Floor, Texas A**

*Faculty: Mariana C. Castells, MD, PhD, Tracy I. George, MD, Anne L. Maitland, MD, PhD, and Patricia Lugar, MD*

*Supported by an independent educational grant from Blueprint Medicines Corporation.*

For this *Interactive Showcase™* in nonadvanced systemic mastocytosis (SM), grab your mobile device and headphones for a unique journey through several engaging educational experiences. The first activity, designed as an expert-guided poster tour, will briefly review the pathophysiological drivers of SM and their implications. Subsequently, you will attend a live expert roundtable where faculty will discuss management approaches, including recent clinical trial data on emerging targeted therapies and real-world strategies for comprehensive treatment. During the final activity you will participate in interactive case studies, applying information acquired to real-time management decisions. You don't want to miss this!

Register now: [www.ExchangeCME.com/SMSanAntonio](http://www.ExchangeCME.com/SMSanAntonio)

Can't attend in person? Sign up for the live stream:

[www.ExchangeCME.com/SMSanAntonioVirtual](http://www.ExchangeCME.com/SMSanAntonioVirtual)

### Progression of Type 2 Inflammatory Diseases in Dermatology, Pulmonology, and Gastroenterology: From Childhood to Adolescence

Saturday, February 25, 2023, 6:30 to 7:30 pm CST

**Hyatt, Fourth Floor, Texas A**

*Supported by Sanofi and Regeneron*

Join world-renowned experts for an educational program on the role of type 2 inflammation across different inflammatory diseases from childhood to adulthood. Dr. Fred Ghali will discuss the impact of type 2 inflammation and barrier disruption on pediatric patients with atopic dermatitis; Dr. Theresa Guilbert will explore how type 2 inflammation contributes to impaired lung function in pediatric patients with asthma; and Dr. Jonathan Spergel will delve into the role of type 2 inflammation in the progression of eosinophilic esophagitis throughout the lifespan of patients.

### Expert Perspectives: A Targeted Biologic for Eosinophil-Driven Respiratory Diseases and Inhaled Triple Therapy for Asthma

Saturday, February 25, 6:30 to 8:30 pm

**Hyatt, Second Floor, Lone Star A**

*Sponsored by GSK*

Join the experts for a discussion and live Q&A on respiratory diseases and current treatment approaches. At 6:30 pm, Drs. Ellen Sher and Nabeel Farooqui will discuss the importance of targeting eosinophil-driven disease in the unified airway. They will share the latest real-world evidence for a biologic treatment for severe asthma in patients with an eosinophilic phenotype and the clinical data in chronic rhinosinusitis with nasal polyps. At 7:30 pm, Dr. Nathanael Brady will review practical approaches to identify adult patients with asthma who remain symptomatic on ICS/LABA and evidence for selection of inhaled triple therapy.

### Understanding Chronic Cough: Patient Presentation and Assessment

Saturday, February 25, 6:30 to 8:30 pm

**Hyatt, Second Floor, Lone Star F**

*Sponsored by Merck*

Learning Objectives:

1. Discuss patient cases and understand patient presentation of chronic cough
2. Review clinical guidelines
3. Understand potential mechanisms of disease in chronic cough

*Speaker Name: Gary N. Gross, MD*

*Speaker Bio: Gary N. Gross, MD is a Clinical Professor of Internal Medicine at Southwestern Medical School and an Attending Physician at the Allergy Clinic for Parkland Hospital in Dallas, TX. He completed his fellowship in Allergy and Immunology at the National Jewish Hospital in Denver, CO. Dr. Gross' research has been widely published in clinical journals including; The Journal of Clinical Investigation and The Journal of Allergy and Clinical Immunology.*



## Hereditary Angioedema Experts: Navigating Family Dynamics for Attack Prevention

Saturday, February 25, 6:30 to 8:30 pm

**Hyatt, Fourth Floor, Texas D**

*Sponsored by Takeda. Industry Program. No CME/CE credit can be claimed.*

Our expert panelists will share the story of a father, son, and daughter with HAE. Explore how family dynamics play a role in disease education and treatment conversations. Join our panel as they discuss how to navigate family considerations when developing a treatment plan and how preventive therapy fits into this conversation.

## Individualized Management of Moderate-to-Severe Asthma

Saturday, February 25, 8:30 to 9:30 pm CST

8:15 to 8:30 pm CST Registration & Dinner

8:30 to 9:30 pm CST Symposium

**Hyatt, Fourth Floor, Texas Ballroom C**

*This activity is provided by Med Learning Group. This activity is co-provided by AMEDCO.*

*This activity is supported by an independent medical education grant from Regeneron Pharmaceuticals, Inc. and Sanofi.*

Our program aims to enhance clinicians' ability to identify and apply evidence-based strategies to inform treatment selection or adjustments and reduce the occurrence of exacerbations; improve patient-centered communication and education to promote an increase in treatment adherence rates; and design treatment regimens that incorporate guideline recommendations and emerging clinical trial data. We will use a combination of a didactic lecture, video animations, and patient cases to effectively teach clinicians who manage this condition.

*Faculty:*

*Diego J. Maselli, MD, FCCP*

*Michael E. Wechsler, MD, MMSc*

Registration link: [www.MLG-ASTHMA.com](http://www.MLG-ASTHMA.com)

## Sunday, February 26

*These programs are not certified for continuing education credit. The content and opinions expressed are those of the sponsor and/or presenter(s) and are not necessarily those of the AAAAI.*

## Preparing for an Expanded Armamentarium for Food Allergy

Sunday, February 26, 6:00 to 8:00 am

**Hyatt, Fourth Floor, Texas D**

*Supporter: Genentech, A Member of the Roche Group*

*Provided by: Physicians' Education Resource*

This program will take a deeper dive into the impact of food allergy, current management strategies for patients and new and emerging treatment options that can potentially impact the future of care. Cases will be presented to emphasize clinical pearls that can be applied to learners' practice.

## Optimizing the Management of EoE: Key Insights from the Allergist's Perspective

Sunday, February 26, 6:30 to 8:00 am

**Hyatt, Fourth Floor, Texas A**

*This educational activity is supported by an educational grant from Regeneron Pharmaceuticals, Inc. and Sanofi.*

Eosinophilic esophagitis (EoE) remains underrecognized and undertreated despite an increasing prevalence. Join us to hear expert allergist insights on the latest clinical data on new and emerging therapies that target the underlying triggers of this disease.

Register today: <https://www.clinicaloptions.com/EoEInSanAntonio2023>

## TEZSPIRE: A New Perspective

Sunday, February 26, 6:30 to 8:30 pm CST

**Hyatt, Fourth Floor, Texas A**

*Sponsored by Amgen and AstraZeneca*

*Speakers: Warner Carr, MD and Nicole Chase, MD*

Please join Amgen and AstraZeneca to learn about a new option that may change your perspective. Our experts will share the efficacy and safety data around a different approach.

## Unlocking the barriers of HAE: How do we improve clinical outcomes for patients?

Sunday, February 26, 6:30 to 8:30 pm CST

**Hyatt, Fourth Floor, Texas D**

*Sponsored by CSL Behring*

Join Prof. Riedl, Prof. Maurer, and Dr. Busse in an exciting interactive symposium focusing on managing patients with hereditary angioedema (HAE) and sharing best practices. HAE is highly debilitating, and may significantly affect a person's quality of life and mental well-being. When left untreated, it is potentially life-threatening. Early intervention and optimized HAE management approaches are essential to prevent unfavorable outcomes and reduce HAE's negative impact on patients' lives. This symposium will explore the overall burden of HAE and provide guidance on identifying opportunities to improve patient treatment outcomes and experience.

## Reframing Rescue Therapy to Help Prevent Asthma Exacerbations

Sunday, February 26, 8:30 to 10:30 pm

**Hyatt, Second Floor, Lone Star A**

*Sponsored by AstraZeneca*

Please join us as we discuss asthma burden in the United States. Attendees will gain an increased understanding of the role of variable airway inflammation in the occurrence of severe exacerbations and consequent burden of systemic corticosteroid exposures for patients with asthma; how composite control tools such as the Asthma Impairment and Risk Questionnaire (AIRQ®) can better assess asthma control and help predict future exacerbations; patient preferences for immediate symptom relief; and recent recommendations from GINA and NAEPP. Data on a new rescue therapy treatment option will be reviewed.

*Faculty:*

*Bradley Chipps, MD, Capital Allergy and Respiratory Disease Center*

*Kevin Murphy, MD, Boys Town National Research Hospital*

*Nina Ramirez, MD, FAAAAI, FCCP, Nova Southeastern University Dr.*

*Kiran C. Patel College of Osteopathic Medicine*

*Autumn Burnette, MD, FAAAAI, Howard University*

## Product Theaters

### Friday, February 24

*These programs are not certified for continuing education credit. The content and opinions expressed are those of the sponsor and/or presenter(s) and are not necessarily those of the AAAAI.*

#### Examining the Role of Eosinophils in Severe Asthma

Friday, February 24, 11:30 am to 12:00 pm

**Convention Center, Lobby Level, Hall 2**

*Sponsored by AstraZeneca*

*Speaker: Justin Greiwe, MD*

AstraZeneca invites you to rethink the management of severe uncontrolled asthma. An interactive, case-based presentation will be used to help attendees identify patients with severe eosinophilic asthma in clinical practice and recognize eosinophilic inflammation as a driver of asthma exacerbations, reduced lung function, and corticosteroid exposure. Attendees can learn how to apply the growing science of eosinophils into real-world applications in severe asthma patients.

#### First and only FDA approved treatment for Eosinophilic Esophagitis (EoE)

Friday, February 24, 1:00 to 1:30 pm CST

**Convention Center, Lobby Level, Hall 2**

*Sponsored by Sanofi and Regeneron*

*Faculty: Joshua B. Wechsler, MD, MSCI*

Take an afternoon break and join us to learn about a treatment option for your appropriate patients with eosinophilic esophagitis. An expert will walk us through clinical data, highlighted alongside a hypothetical patient case!

#### Systemic Mastocytosis: MASTering a Complex Disease

Friday, February 24, 3:30 to 4:00 pm

**Convention Center, Lobby Level, Hall 2**

*Sponsored by Blueprint Medicines*

*Speaker: Patricia Lugar, MD, Duke University*

Join us to discuss systemic mastocytosis and the role the allergist/immunologist plays in the diagnostic evaluation of this mast-cell driven disease.

### Saturday, February 25

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#### Not Just a Barrier: The Immunological Role of the Skin in Food Allergy

Saturday, February 25, 10:00 to 10:30 am

**Convention Center, Lobby Level, Hall 2**

*Sponsored by DBV Technologies*

This program will focus on the immune properties of the skin, especially as they relate to food allergy. Additionally, panelists will discuss the putative mechanism of epicutaneous immunotherapy, a novel approach to allergen desensitization that leverages the skin's immunological functions.

#### Investigating Eosinophilic Inflammation in Severe Asthma

Saturday, February 25, 12:00 to 12:30 pm

**Convention Center, Lobby Level, Hall 2**

*Sponsored by AstraZeneca*

*Speaker: Sameer Mathur, MD, PhD*

At this session, investigate eosinophils and their critical role in chronic inflammation in severe eosinophilic asthma (SEA). Chronic eosinophilic inflammation may lead to increased disease severity with significant impact on lung function, exacerbations, and associated steroid exposure. Join a discussion on the role of eosinophils in SEA and the importance of understanding eosinophilic inflammation.

#### A Treatment Option for Patients with Uncontrolled Moderate-to-Severe Atopic Dermatitis

Saturday, February 25, 1:30 to 2:00 pm

**Convention Center, Lobby Level, Hall 2**

*Sponsored by Sanofi and Regeneron Pharmaceuticals, Inc.*

*Speaker:*

*Marc Serota, MD, FAAD, FAAAAI, FAAAAI*

*Dermatology Specialist*

*Peak Dermatology*

*Littleton, Colorado*

Learn more about a treatment option that may help appropriate patients with uncontrolled moderate-to-severe atopic dermatitis.

## Sunday, February 26

*These programs are not certified for continuing education credit.  
The content and opinions expressed are those of the sponsor and/or  
presenter(s) and are not necessarily those of the AAAAI.*

### Type 2 Inflammation in Pediatric Patients

Sunday, February 26, 10:00 to 10:30 am CST

**Convention Center, Lobby Level, Hall 2**

*Sponsored by Sanofi and Regeneron*

*Faculty: Cedric 'Jamie' Rutland, MD*

Join us as we review clinical characteristics of type 2 inflammation in pediatric patients across 3 diseases - asthma, eosinophilic esophagitis, and atopic dermatitis - and explore a potential treatment option for appropriate patients.

### Breaking Through the Noise to Understand the Data on an Oral Therapy for HAE Attack Prevention

Sunday, February 26, 12:00 to 12:30 pm

**Convention Center, Lobby Level, Hall 2**

*Sponsored by BioCryst*

*Presented by: Douglas Jones, MD*

Join a leading expert in HAE for an interactive presentation designed to test your knowledge of an oral therapy to prevent HAE attacks.

### Product Theater presented by Pfizer Inc.

Sunday, February 26, 1:30 to 2:30 pm

**Convention Center, Lobby Level, Hall 2**

*Sponsored by Pfizer Inc.*

*Speakers:*

*Dr. Bob Geng*

*Dr. James Song*

CIBINQO™ (abrocitinib) for adults with refractory, moderate-to-severe atopic dermatitis. Pfizer Inc., invites you to an engaging, non-CME, educational program during which an atopic dermatitis expert will discuss the efficacy and safety profile of this treatment option, helping you determine its appropriateness for your patients. Full PI available at [CIBINQOPI.com](http://CIBINQOPI.com).



## THE AAAAI FOUNDATION IS PLEASED TO ANNOUNCE THE RECIPIENTS OF OUR 2023 FACULTY DEVELOPMENT AWARDS:

### **Sara Barmettler, MD**

Massachusetts General Hospital

*"Immunologic Impact and Risk for Infections in Patients with Secondary Hypogammaglobulinemia"*

### **Alberta Wang, MD, MS**

Brigham and Women's Hospital, Inc.

*"Early Life miRNA Programming of Asthma and Allergic Diseases"*

### **Santiago Alvarez-Arango, MD**

Johns Hopkins University School of Medicine

*"Pathogenesis of Non-IgE-mediated Immediate Drug Hypersensitivity Reactions"*

### **David Hill, MD, PhD, FAAAAI**

The Children's Hospital of Philadelphia

*"Contribution of interferon-mediated epithelial cell MHCII expression to EoE"*



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– Heather, practice manager

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Convention Center, Lobby Level, Hall 1 Concourse



American Academy of Allergy Asthma & Immunology

AAAAI-11-22-189





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## **Associates (Spouses & Friends) to the AAAAI**

For over 38 years, the Associates (Spouses & Friends) to the AAAAI have provided networking opportunities and events for the spouses and friends to the AAAAI.

Full membership in the Associates is included in each spouse/guest registration fee. Membership includes volunteer opportunities and a chance to participate in the future programming for the Associates.

## **Associates (Spouses & Friends) to the AAAAI**

Saturday, February 25 to Monday, February 27

8:00 am to 12:00 pm

### **Marriott Rivercenter, Third Floor, Conference Room 5**

Make sure to visit the Associates Hospitality Suite, open Saturday, Sunday, and Monday mornings. A host will be on-hand to assist with restaurant and activity recommendations and to help in making reservations. Stop by, have a cup of coffee, learn more about the city of San Antonio and what to do, and learn more about how you can get involved in the A/I specialty!

## **Associates Breakfast and Business Meeting**

Saturday, February 25, 9:00 to 10:30 am

### **Marriott Rivercenter, Third Floor, Conference Room 20**

*Pre-registration and ticket required*

The Associates Steering Committee would like to invite you to begin your Annual Meeting experience by joining up for the Associates Celebration at the Marriott Rivercenter. This breakfast event is open only to spouse/guest attendees (those displaying a delegate or exhibitor badge will not be allowed entry). For guests interested in bringing a child under the age of 17, pre-registration and a ticket is required. Children under the age of 6 are complimentary.

The American Academy of Allergy,  
Asthma & Immunology Foundation  
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# 2023 Named Lectureship Series



Featuring Lectures at AAAAI Annual Meeting Plenary, Keynote and  
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Dennis K. Ledford, MD FAAAAI & University of  
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Robert F. Lemanske, Jr., MD FAAAAI Lectureship

Donald Y. M. Leung, MD PhD FAAAAI

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Richard F. Lockey, MD MS FAAAAI & University of  
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Harold S. Nelson, MD FAAAAI

David S. Pearlman, MD FAAAAI

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John W. Yunginger MD FAAAAI Memorial  
Lectureship

Heritage Lectureship

Honoring Drs. Robert Becker, Jerry Dolovich, Elliot Middleton,  
John Salvaggio, Burton Zweiman

AAAAI-2023-231

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AAAAI Foundation Named Lectureships are established to recognize substantial contributions of at least \$100,000 to the AAAAI Foundation through collaborative contributions of others or individual contributions honoring an individual or entity. The AAAAI Foundation leadership is proud to announce the lectureships and lectureship speakers for the 2023 AAAAI Annual Meeting.

Biographies and photographs are available at [annualmeeting.aaaai.org](https://annualmeeting.aaaai.org).

## Friday, February 24

### **AAAAI Foundation and Bench to Bedside: K. Frank Austen, MD FAAAAI & Albert L. Sheffer, MD FAAAAI Lectureship (4th year)**

1601 Presidential Plenary: Paradigm Shifts in Drug Allergy  
Convention Center, Lobby Level, Hall 2, 1:45 to 3:15 pm

**Lecturer: Tanya Laidlaw, MD FAAAAI**

New Insights into the Immunopathology of Aspirin-exacerbated  
Respiratory Disease (AERD)

### **AAAAI Foundation and Allen P. Kaplan, MD FAAAAI Lectureship: Creating Knowledge for Our Future (4th year)**

1601 Presidential Plenary: Paradigm Shifts in Drug Allergy  
Convention Center, Lobby Level, Hall 2, 1:45 to 3:15 pm

**Lecturer: Elizabeth Phillips, MD FAAAAI FIDSA**

Advances in Diagnosis and Management of Severe Cutaneous Adverse  
Reaction (SCAR)

### **AAAAI Foundation and David S. Pearlman, MD FAAAAI Lectureship: Contributing to Discovery and Education (4th year)**

1601 Presidential Plenary: Paradigm Shifts in Drug Allergy  
Convention Center, Lobby Level, Hall 2, 1:45 to 3:15 pm

**Lecturer: David A. Khan, MD FAAAAI**

Practice Changers from the Drug Allergy Parameter Update

## Saturday, February 25

### **AAAAI Foundation and Isil Berat Barlan Memorial Lectureship (2nd year)**

2521 Beyond Learning Early About Peanut Allergy (LEAP): National  
Institute of Allergy and Infectious Diseases (NIAID)-Supported Studies  
in Peanut Allergy Prevention

Convention Center, Ballroom Level, Stars at Night B1, 12:30 to 1:45 pm

**Lecturer: Corinne Keet, MD MS PhD**

Early Peanut Introduction: Translation to Clinical Practice

### **AAAAI Foundation and Phil and Barbara Lieberman and Friends Lectureship: Investing Together in Our Future (9th year)**

2521 Beyond Learning Early About Peanut Allergy (LEAP): National  
Institute of Allergy and Infectious Diseases (NIAID)-Supported Studies  
in Peanut Allergy Prevention

Convention Center, Ballroom Level, Stars at Night B1, 12:30 to 1:45 pm

**Lecturer: Gideon Lack, MD**

LEAP Participants: Living with AD Libitum Peanut Consumption

### **AAAAI Foundation and Harold S. Nelson, MD FAAAAI Lectureship: Investing Together in Our Future (4th year)**

2522 National Institute of Environmental Health Sciences (NIEHS):  
Exposure: Microbiome Interface in the Pathogenesis of Inflammatory  
Diseases

Convention Center, Ballroom Level, Stars at Night B4, 12:30 to 1:45 pm

**Lecturer: Yvonne Huang, MD**

Ecological Interactions in Asthma: From Environment to Microbiota and  
Immune Responses

### **AAAAI Foundation and John W. Yunginger MD FAAAAI Memorial Lectureship (3rd year)**

2701 Global Vaccines and Vaccinations: The Science vs The Antiscience  
Convention Center, Lobby Level, Hall 2, 3:30 to 4:30 pm

**Lecturer: Peter Hotez, MD PhD**

Global Vaccines and Vaccinations: The Science vs The Antiscience

## Sunday, February 26

### **AAAAI Foundation and Michael M. Frank, MD FAAAAI Lectureship (4th year)**

3101 Atopic Dermatitis - New Insights from Bench to Bedside to  
Populations

Convention Center, Lobby Level, Hall 2, 8:15 to 9:45 am

**Lecturer: Richard Gallo, MD PhD**

Human Skin Commensal Microbe for Bacteriotherapy of Atopic  
Dermatitis

### **AAAAI Foundation and Donald Y. M. Leung, MD PhD FAAAAI-JACI Lecture: Investing Together in Our Future (11th year)**

3101 Atopic Dermatitis - New Insights from Bench to Bedside to  
Populations

Convention Center, Lobby Level, Hall 2, 8:15 to 9:45 am

**Lecturer: Mark Boguniewicz, MD FAAAAI**

Advances in Treatments for Atopic Dermatitis



## **AAAAI Foundation and Robert F. Lemanske, Jr., MD FAAAAI Lectureship (3rd year)**

3521 Managing Asthma in Older Adults  
Convention Center, Ballroom Level, Hemisfair C1, 12:30 to 1:45 pm  
**Lecturer: Andrea Apter, MD MA MSc FAAAAI**  
Community Health Worker Intervention in Older Adults with Asthma

## **AAAAI Foundation and Gail G. Shapiro, MD FAAAAI Memorial Lectureship (5th year)**

3521 National Heart, Lung, and Blood Institute (NHLBI): Managing  
Asthma in Older Adults  
Convention Center, Ballroom Level, Hemisfair C1, 12:30 to 1:45 pm  
**Lecturer: Paula Busse, MD FAAAAI**  
Depression in Older Adults with Asthma

## **AAAAI Foundation and Dennis K. Ledford, MD FAAAAI & University of South Florida Allergy & Immunology Division Lectureship (5th year)**

3521 Managing Asthma in Older Adults  
Convention Center, Ballroom Level, Hemisfair C1, 12:30 to 1:45 pm  
**Lecturer: Nizar Jarjour, MD**  
Cognitive, Anatomic and Biomarker Changes in Older Adults with  
Asthma

## **Monday, February 27**

### **Heritage Lectureship, Honoring Drs. Robert Becker, Jerry Dolovich, Elliot Middleton, John Salvaggio, Burton Zweiman (5th year)**

4101 Food Allergy Insights: Novel Observations in the Diagnosis and  
Management of Food Allergy  
**Lecturer: Ruchi Gupta, MD MPH**  
Expanding Our Understanding of Food Allergy: Common but Not Equal  
in All Races  
Convention Center, Lobby Level, Hall 2, 9:30 to 11:00 am

### **AAAAI Foundation and Richard F. Lockey, MD MS FAAAAI & University of South Florida A/I Program Lectureship (4th year)**

4101 Food Allergy Insights: Novel Observations in the Diagnosis and  
Management of Food Allergy  
Convention Center, Lobby Level, Hall 2, 9:30 to 11:00 am  
**Lecturer: Kari Nadeau, MD PhD FAAAAI**  
Expanding the Therapeutic Repertoire in Oral Immunotherapy: Novel  
Knowledge and Implementation

## **AAAAI Lectureships**

### **Saturday, February 25**

#### **The Elliot F. Ellis Memorial Lectureship**

2522 Exposure – Microbiome Interface in the Pathogenesis of  
Inflammatory Diseases  
Convention Center, Ballroom Level, Stars at Night B4, 12:30 to 1:45 pm  
**Lecturer: Stavros Garantziotis, MD**  
Environmental Exposures Modulate Airway Microbiome in Asthma

#### **The Robert G. Townley Memorial Lectureship**

2522 National Institute of Environmental Health Sciences (NIEHS):  
Exposure: Microbiome Interface in the Pathogenesis of Inflammatory  
Diseases  
Convention Center, Ballroom Level, Stars at Night B4, 12:30 to 1:45 pm  
**Lecturer: Ian Myles, MD**  
Isocyanate Exposure Predicts Atopic Dermatitis and Disrupts  
Therapeutic Pathways in Commensal Bacteria

### **Sunday, February 26**

#### **The Robert A. Cooke Memorial Lectureship**

3101 Atopic Dermatitis – New Insights from Bench to Bedside to  
Populations  
Convention Center, Lobby Level, Hall 2 8:15 to 9:45 am  
**Lecturer: Lynda Schneider, MD FAAAAI**  
Making the Grading of Recommendations Assessment, Development,  
and Evaluation (GRADE): Practice Parameter Updates

### **Monday, February 27**

#### **The Hugh A. Sampson Lectureship in Food Allergy**

4101 Food Insights: Novel Observations in the Diagnosis and  
Management of Food Allergy  
Convention Center, Lobby Level, Hall 2, 9:30 to 11:00 am  
**Lecturer: Wayne Shreffler, MD PhD FAAAAI**  
T Cell Suppression in Peanut Oral Immunotherapy

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Allergy Asthma  
& Immunology

## AAAAI Allied Health Professionals Assembly Travel Scholarship Awards (\$1,000)

*Funded in part by the AAAAI and Reckitt/Mead Johnson Nutrition.*

Cynthia Pye, RN  
Arkansas Children's Hospital

Fallon Schultz, MSW LCSW CAM  
International FPIES Association (I-FPIES)

Karen Braden, CPNP RN MS  
University of Virginia Medical Center

Caroline Belin, FNP  
Beverly Hills Allergy, Cedars Sinai Medical Network

## Allied Health Abstract Travel Award Recipients (\$1,000)

*Funded in part by the AAAAI and Reckitt/Mead Johnson Nutrition.*

Holly Barber, CPNP  
UNC at Chapel Hill  
Caregiver Perception of Risk and Auto-Injector Carriage Rates in Multi-Allergic Compared to Mono-Allergic Children: A Long-Term Follow-Up Survey

James Anderson, MLT  
Environmental Allergy Assays  
The Mystery of Mulberry

Emily English, RN CPNP  
The University of North Carolina School of Medicine  
Baked Egg Oral Food Challenges: Modifying Decision Points for Success

Sara Voorhees, PhD  
University of Florida  
Pediatric Patient Participation in Food Allergy Encounters: Provider Practices, Perspectives, Barriers, and Facilitators

Emily Croce, NP  
The University of Texas at Austin  
Racial Disparities in Burden of Comorbid Asthma and Eczema

## AAAAI/APFED Best Abstract on EGIDs Award

*The award is funded by APFED and provides \$750.*

Victoria T. Nguyen, DO  
Major depression and Suicide: A Common Comorbidity of Eosinophilic Esophagitis

Jonathan M. Spergel, MD PhD FAAAA  
Dupilumab improves type 2 comorbidity outcomes in patients with eosinophilic esophagitis and comorbid disease at baseline: from Parts A and B of LIBERTY-EoE-TREET

## FIT Award Recipients - \$750

Ross Tanis, MD  
University of Wisconsin  
"Comparison of Rhinitis Phenotypes with the Development of Asthma by Age 10 in an Urban Birth Cohort"

Taylor Eddens, MD  
UPMC Children's Hospital of Pittsburgh  
"Neonatal Mice Infected with Human Metapneumovirus Demonstrate Th2 Skewing with Primary and Secondary Infection"

Elsa Treffeisen, MD  
Boston Children's Hospital  
"The Association between Child Food Allergy and Food Insecurity in the Family Unit"

## Junior Faculty Recipients - \$1000

Alberta Wang, MD MS  
Brigham and Women's Hospital  
"Early Life miRNA Programming of Asthma and Allergic Diseases"

Abigail Lang, MD  
Ann and Robert H. Lurie Children's Hospital  
"Investigation of Tryptase Gene Composition as a Potential Biomarker of Food Allergy Reaction Severity"

## AAAAI Interest-Section Fellow-in-Training (FIT) Abstract Award Recipients

### Anaphylaxis, Dermatology and Drug Allergy (ADDA)

Ragha V. Suresh, MD  
John Hopkins Asthma & Allergy Center  
"The BTK Inhibitor Acalabrutinib Reduces or Eliminates Clinical Reactivity during Oral Challenge to Peanut in Allergic Adults"

### Asthma Diagnosis and Treatment Interest Section (ADT)

Sana Patel, MD  
University of Washington  
"Epithelial-Associated Inflammatory Pathways Underlie Residual Asthma Exacerbations in Urban Children Treated with Mepolizumab Therapy"

### Basic and Clinical Immunology (BCI)

Priya K. Patel, MD  
University of South Florida Morsani College of Medicine  
"Evaluation of a Panel of Cellular Biomarkers for Immune Dysregulation in Inborn Errors of Immunity"

### Environmental and Occupational Respiratory Diseases (EORD)

Lynn H. Bimler  
Baylor College of Medicine  
"Developing a Chronic Model of Candida Albicans Cerebral Mycosis through Gut Colonization"

### Food Allergy & Eosinophilic Disorders (FAED)

Ashley Sang Eun Lee, MD  
Icahn School of Medicine at Mount Sinai  
"Baseline Epitope-Specific IgE Profiles are Predictive of Sustained Unresponsiveness One Year Post OIT in the POISED Trial"

### Health, Equity, Technology and Quality (HETQ)

Elsa R. Treffeisen, MD  
Boston Children's Hospital, Harvard Medical School  
"The Association Between Child Food Allergy and Food Insecurity in the Family Unit"

### Immunotherapy, Rhinitis, Sinusitis and Ocular Diseases (IRSO)

Junqin Bai, PhD  
Northwestern University  
"Nasal Polyp Antibody Secreting Cells Have Features of Long-Lived Plasma Cells and Frequently Produce Autoantibodies and IgE"

### Mechanisms of Asthma and Allergic Inflammation (MAAI)

Ryusuke Hayashi, MD  
Mayo Clinic Arizona  
"The Network of Epithelial Cells and ILC2s Involving Acetylcholine and Muscarinic Receptors Promote Type 2 Immune Responses to Inhaled Allergen"



## 2023 International Travel Scholarships

The following international in-training members have been awarded International Travel Scholarships to attend the Annual Meeting. The 2023 International Travel Scholarships are funded by the AAAAI and selected by an ad hoc panel of International Fellows.

### Asia

Onnicha Chaiseksamphan, MD  
*King Chulalongkorn Memorial Hospital*  
Thailand

Bahrul Fikri, MD PhD  
*Department of Pediatrics, Airlangga University*  
Indonesia

Supamas Harintajinda, MD  
*Ramathibodi Hospital, Mahidol University*  
Thailand

Tharida Khongcharoensombat, MD  
*King Chulalongkorn Memorial Hospital*  
Thailand

Jeongmin Song, MD  
*Kyung Hee University Hospital*  
Korea

Keawalee Thamjamratsri, MD  
*Ramathibodi Hospital, Mahidol University*  
Thailand

### Europe

Yasutaka Mitamura  
*University of Zurich*  
Switzerland

## 2023 Medical Student and Resident Travel Scholarships

The Medical Student and Resident Scholarships are open to medical students and residents in the United States and Canada.

*Funded by the AAAAI.*

Samer Abdelkader, DO MPH  
Racha M. Abi Melhem, MD  
Nutchaya Amornruk, MD  
Nonie S. Arora, MD MBA  
Meaghan Bank, MD  
Adam M. Bartholomeo, MD  
Jennifer Battaglia, MD  
Padmanabh S. Bhatt, MD MBBS BSc  
Jodi-Marie Brown, MD  
Allyson Burkhart DeNora, MD  
Katherine Caid, MD

Kelsea C. Chen  
Brian T. Cheng  
Ka Ho Cheung, MD  
Humdoon Choudhry, MD MS  
Alexandro Chu  
Thomas E. Comerford, IV, DO  
Priscila Cunha, MD  
Stuti Dalal  
Anandu Dileep, DO  
Daniela R. Dluzynski  
Melanie K. Donahue, MD  
Emily M. Engelhardt, MD  
Jenna Essink, MD  
Sofianne Gabrielli, MSc  
Maxwell Green, MPH  
Cynthia S. Haddad, MD  
Adam J. Haines, MD  
Benjamin Hamel, MD  
Kyaw Zin (Kennis) Htet  
Jared T. Iding  
Madhuri Indaram, DO  
Valerie Jaroenpuntaruk, MD  
Emilio Jauregui, MD  
Rajshri Joshi, DO PhD  
Kylie N. Jungles, MD  
Katarzyna Karpinska-Leydier, MD  
Wajiha Kazmi  
Anne Kim  
Sylvia Li, MD  
Jennifer Lor  
Emma Materne, MD  
Ashna Mehra, DO  
Hang P. Nguyen  
Timothy H. Nguyen, DO  
Rachel Odin, MD  
Yasmine Oprea  
Daniel O'Shea  
Ashley Otto, MD  
Charity Owusu-Asare, MD  
Peggy Palsgaard  
Kristen Park  
Malina C. Patel, MD  
Prarthana Patel, MD  
Puja Patel, MD  
Adam M. Pearlstein, DO  
Lauren Perlman  
Christina Phan, MD  
Grace Rabinowitz  
Karishma Raju, MD  
Justin Rashtian, MD  
James P. Senter, MD MPH  
Hannah Shin, MD  
Cody D. Shopper, DO  
Victoria Shum, MD  
Hannah E. Steenblock  
Benjamin C. Stewart-Bates, DO

Nadia Sultan, MD  
Andrew D. Supron, MD  
Gail Tan, MD  
Megha Tandon  
Nigil Thaimuriyil, DO  
Krizia Marie Trasmonte, DO  
Scout M. Treadwell  
Abigail Troy, DO  
Hao Tseng, MD  
Natsumon Udomkittivorakul, MD  
Kit Visitsunthorn, MD MMSc  
Michel Wakim  
Jasmit Walia, DO MS  
Madalyn E. Walsh, MD  
Sydney Warner  
Allison Weisnicht, MD  
Nicole Welch, MD  
Ashley Y. Wu, MD  
Matthew E. Wyke, MD  
Chris Young  
Serena Zadoo, MD  
Catherine K. Zhu  
Elena Zidan, MD

## 2023 Domestic Fellow-in-Training Travel Scholarships

The FIT Travel Scholarships are open to fellows-in-training in the United States and Canada.

*Funded in part by the AAAAI and Reckitt/Mead Johnson Nutrition.*

Arabelle Abellard, MD  
Laura E. Abrego Sr., MD MClSci  
Edsel M. Abud, MD PhD  
John J.O. Accarino, MD  
Fiona R. Adame, DO  
Michael J. Adame, MD  
Tonia S. Afshan, MD MPH  
Ariela Agress, MD  
Ozge Nur Aktas, MD  
Suhita Alluri, MD  
Rawaa K. Alnabulsi, MD  
Ibtihal Alotaibi, MD  
Nouf Alsaati, MD MBBS MMSc  
Melissa Anderson, MD  
Ayman Aouthmany, MD  
Talia Arceri, MD  
Sadhana Balasubramanyam, MD  
Ramya Balijepally, MD  
Abhilasha Banerjee, MD  
Caroline Basta, DO  
Ami Belmont, MD  
Joshua S. Bernstein, MD  
Jenyfeer Blanco, MD  
Melissa Bloodworth MD PhD  
Kesler J. Bourgoynne, MD

## 2023 Domestic Fellow-in-Training Travel Scholarships (continued)

Kelly K. Boyd, MD  
Anna Brameli, MD  
Jennifer A. Brennan, DO  
Rebekah L. Browning, MD PhD  
Martin Caha, MD  
Wesley Cain, DO  
Sarah Chamseddine, MD  
Tae Y. Chang, MD  
Alexandra J. Chastant, MD  
Chongjia Chen, MD  
Stanley H. Cheng, DO  
Diana Chernikova, MD PhD  
Jennifer Chester, MD  
Wai-Tim Chew, MD  
Krishan Chhiba, MD  
Chioma Chime, MD  
Aaron T. Chin, MD  
Patricia J. Choi, MD  
Christopher H. Chu, MD  
Stacey R. Chu, MD  
Kelly Colas, DO PhD  
Christian M. Coletta, MD  
Ellen Conroy, MD  
Daniel P. Cook, MD PhD  
Natalia Correa, MD  
Gregory S. Della Penna, Jr., DO  
Althea Marie Diaz, MD  
Ryan S. Din, MD  
Tejaswi S. Dittakavi, DO  
Michael D'Netto, MD  
Dieu Doan, MD  
Ali Doroudchi, MD  
Harris Droghini, MD  
Charlene M. Dunaway Altamirano, MD  
Theresa B.L. Dunham, MD  
Rebecca M. Duron, MD  
Emily Dzoba, MD  
Taylor J. Eddens, MD  
Sofia E. Edwards-Salmon, MD  
Laurent Ehrlich, MD PhD  
Sabine Eid, MD  
Sara S. Ellingwood, MD  
Omar H. Elsayed-Ali, MD  
Jelena S. Eremija, MD  
Joshua D. Eubanks, MD  
Ejiofor Ezekwe Jr., MD PhD  
Alick Feng, MD  
Natalia S. Fernandez Davila, MD  
Jenika Ferretti-Gallon, MD  
Lauren A. Fill, DO  
Maria A. Forero Molina, MD  
Lauren Franzblau, MD  
George E. Freigeh, MD, MA

Susumu Fukahori, MD PhD  
Courtney L. Gaberino, MD  
Stanislaw J. Gabryszewski, MD PhD  
Akaansha Ganju, MD  
Yasamin N. Ghiasi, MD  
Elizabeth A. Gilje, MD  
Alexander M. Gilmore, MD  
Brian Goodman, MD  
Ana Luiza O. Graneiro, MD  
Benjamin H. Greiner, DO MPH  
Rebecca Grohman, DO  
Lauren M. Gunderman, MD  
Geoffrey F. Hall, DO  
Walaah Hamadi, MD  
Joshua S. Hanau, MD  
Albana Harizaj, MD  
Hannah Harrison, MD  
Stella Hartono, MD PhD  
Michael Hauk, MD  
Nina Hein, MD  
Katherine E. Herman, MD PhD  
Justin C. Hsueh, MD  
George X. Huang, MD  
Jenny Huang, MD  
Madiha Huq, MD  
An V. Huynh, MD  
Kelsey Ige, MD  
Kamran H. Imam, MD  
Rim Ishak, MD  
Leah L. Ishmael, DO  
Mridula A. Jacob, MD  
Alyssa E. James, MD  
Maggie Jiang, MD  
Jasper Johar, MD  
Sarah R. Johnson, MD  
Jenna Jung, MD  
Yela Jung, MD  
Simran Jutla, MD  
Rayan N. Kaakati, MD  
Amanpreet Kalkat, MD  
Lauren Kaminsky, MD PhD  
Malvika Kapoor, MD  
Levi J. Keller, MD  
Sevdenur Keskin, MD  
Muhammad B. Khalid, MD  
Shivani Khanna, MD  
So Lim Kim, MD  
Nikki H. Kimura, MD  
Seth T. Knight, MD  
Rebecca Koenigsberg, DO  
Sterling Kosmach, DO  
Mansi Kotwal, MD  
Nicole Koutlas, MD  
Matthew S. Krantz, MD  
Radomir Kratchmarov, MD  
Yana Kryvokhyzha, DO

Stephanie A. Kubala, MD  
Elizabeth A. Kudlaty, MD  
Veronica Kwiatkowski, MD  
Ryan LaHood, MD  
Stephanie A. Laird, MD  
Valerie H. Le, MD  
Ashley Sang Eun Lee, MD  
Jenny J. Lee, MD  
Michael C. Lee, DO  
Sarah Leo, DO  
Jennifer C. Li, MD  
Jane Liao, MD  
Christine J. Licata, MD  
Michell M. Lozano Chinga, MD  
Jessica Macdougall, MD  
Aimee Magnarelli, DO  
Stacey Mahady, DO  
Sultan Majid, DO  
Thomas A. Makin, MD  
Nurbek Mambetsariev, MD PhD  
Nivethietha Maniam, MD  
Giulia M. Martone, MD  
Shawn K. Mathew, DO  
Dexter A. Matrana, DO  
Mayumi Matsunaga, MD  
Amanda McIntyre, MD  
Geneva Mehta, MD  
Mehek Mehta, MD  
Sarah Mehta, MD  
Gabriel Mendoza, MD  
Melissa Mendoza Suyu, MD  
Christelle Miot, MD  
Sunjay Modi, MD  
Paula M. Mohyi, MD  
Rose Monahan, MD  
Caitlan Murphy, MD  
Anum F. Muzaffar, MD  
Lakshmi Satya S. Nagireddi, DO  
Pavan Nataraj, MD  
Alexandra Navard-Keck, MD  
Katharine J. Foster Nehme, MD  
Cody S. Nelson, MD PhD  
Michael Z. Nevid, MD  
Cindy M. Nguyen, DO  
Minh Nguyen, DO  
Vinh T. Nguyen, MD  
Mengwei Ni, MD  
Sarah M A Nimri, MD  
Maxwell Norris, MD  
Sebastian Ochoa, MD  
Dana O'Toole, MD  
Jeremy Owens, MD  
Bimaljit Pangli, MD  
Sonya Parashar, MD  
Gaytri Patel, MD  
Pooja Patel, MD

## 2023 Domestic Fellow-in-Training Travel Scholarships (continued)

Priya Patel, MD  
Priya K. Patel, MD  
Sana Patel, MD  
Jodan A. Pathinathan, MD  
Amudha Pazhanisamy, DO  
Grant Pickett, MD  
Jessica H. Plager, MD  
Vanessa Polito, MD  
Adam S. Price, MD  
Erika N. Raley, MD  
Lourdes G. Ramirez, MD  
Ruchit R. Rana, MD  
Prudhvi Regula, MD  
Whitney Reid, MD  
Michelle Dilley Revier, MD  
Marvi Rizwan, MD  
Emily S. Robbins, DO  
Devyn L. Rohlf, MD  
Karina Rotella, MD  
Christine Rubeiz, MD  
Maria A. Sacta, MD PhD  
Nina Sadigh, MD  
John E. Salomone, MD  
David A. Sanchez, MD  
Armen Sanosyan, MD PhD  
Nicholas Scanlon, MD  
Madeline M. Schutt, MD  
Stephen A. Schworer, MD PhD  
Sybelle M. Serrano-Santiago, MD  
Ami Shah, MD  
Isma Shah, MD  
Ashwin K. Shankar, DO  
Mara N. Shapero, MD  
Kelly S. Shibuya, MD  
Nadia Shobnam, MD  
Pragya Shrestha, MD  
Nicole K. Sosa-Castellanos, MD  
Shannon J. Sotoudeh, MD  
Florian Stehlin, MD  
Ellen D. Stephen, MD  
Alanna B. Stinson, MD  
Juliana B. Sullivan, DO  
Annya Suman, MD  
Ragha V. Suresh, MD  
Aimee Sutherland, MD  
Silpa T. Taunk, MD  
Elsa R. Treffeisen, MD  
Brit Trogen, MD  
Chioma Udemgba, MD  
Brynne Underwood, MD  
Wyatt A. Verplaetse, MD  
Ban Wang, MD  
Laura Ann Wang, MD

Ziwei Wang, MD  
Ashley Willis, MD  
Nicole L. Wolfset, MD  
Omar Yamak, MD  
Adrienne Yancey, MD  
Irene H. Yuan, MD  
Jose L. Zamora-Sifuentes, DO  
Justyna Zybczynska, MD

## 2023 PhD Travel Scholarships

The PhD Travel Scholarships are open to non-faculty PhD post-doctoral fellows and PhD students/candidates working on A/I related topics with an affiliated A/I program in the United States or Canada.

*Funded by the AAAAI.*

Junqin Bai, PhD  
Jared Brooksby  
Naomi Bryant, MS  
Casey G. Cohen  
Grace Cushman, PhD  
Arya Dahal  
Eskezeia Y. Dessie, DO PhD  
Stanley B. DeVore  
Melissa L. Engel  
Miguel Gonzalez Visiedo, PhD  
Jung Yeon Han  
Hiroaki Hayashi, MD PhD  
Ryusuke Hayashi, MD  
Naruhito Iwasaki, MD PhD  
Min-Jhen Jheng  
Jyoti K. Lama  
Jessica Lee  
Anish R. Maskey  
Kieran J. Phelan  
Catherine R. Pizzarello  
Priyanka Ravi  
Caroline Roberts, PhD  
Aaron D. Schwab  
Nicholas Vonniessen  
Stephanie Zawada

## 2023 AAAAI/EAACI Reciprocal Travel Grants

Each year, AAAAI sponsors two EAACI junior members to attend the AAAAI Annual Meeting, and in turn, EAACI sponsors two AAAAI fellows-in-training to attend the EAACI Congress.

Carmen Riggioni Viquez, MD  
*University of Barcelona  
Barcelona*

# AAAAI Payer Relations

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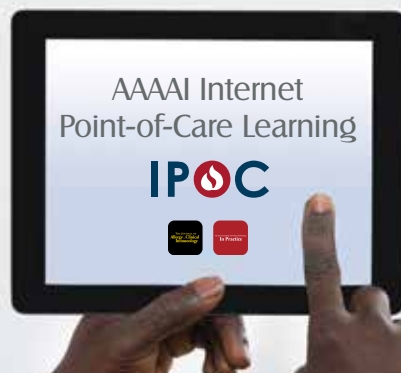
- Hawaii Medical Services Association removed "Step through IVG" criterion from its Prior Authorization Request.
- Horizon Blue Cross Blue Shield New Jersey revised its asthma medication drug access criterion, stating "We have evaluated and understand your concerns that this requirement can be problematic..."
- First Coast and Novitas revised their respective Local Coverage Articles for Billing and Coding: Allergen Immunotherapy to address venom immunotherapy.

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**AAAAI** American Academy of  
Allergy Asthma & Immunology

AAAAI-1122-189

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**AAAAI** American Academy of  
Allergy Asthma & Immunology

# Continuing Education & Accreditation

## Continuing Education and Accreditation

Two types of continuing education credit will be available for participants in the 2023 AAAAI Annual Meeting: *AMA PRA Category 1 CME Credits™* for physicians and Continuing Education (CE) contact hours for nurses. Not all Annual Meeting sessions may offer credit, and of those that do, not all may offer both CME and CE.

**Credit Claiming:** Continuing education credits and attendance certificates can be claimed online beginning Thursday, February 23, 2023 using the link provided on the Annual Meeting website and in the mobile app. Credit claiming will be available through December 31, 2023.

## Physicians – Continuing Medical Education (CME) Credits

### **Accreditation Statement**

The American Academy of Allergy, Asthma and Immunology (AAAAI) is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

### **Credit Designation**

The AAAAI designates this Other activity (combination of live activity and recorded online content) for a maximum of 251.00 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The American Medical Association has determined that physicians not licensed in the U.S. who participate in this CME activity are eligible for *AMA PRA Category 1 Credits™*.

### **Target Audience**

The AAAAI Annual Meeting is designed for clinicians, researchers, trainees/students and allied health professionals involved and/or interested in the study of allergy, asthma and immunology.

### **Program Objective**

Upon completion of the AAAAI Annual Meeting, participants should be able to discuss the latest advances in the research, diagnosis and treatment of allergic and immunologic disease. Please refer to the individual session descriptions in this program for session-specific learning objectives.

## ABAI – Continuing Medical Education (CME) Credits

The American Board of Allergy and Immunology (ABAI) requires diplomates to attest to obtaining 25 *AMA PRA Category 1 CME Credits™* in allergy/immunology each year. AAAAI reports all CME credits it issues to physician learners to the ABAI on a quarterly basis, to be posted in learners' diplomate portals. For more information about credit requirements for ABAI Maintenance of Certification, visit the ABAI website at <https://abai.org/cme.asp>.

## Allied Health – Continuing Education (CE) Credits

### **Nurses – Continuing Education (CE) Contact Hours**

The American Academy of Allergy, Asthma & Immunology (AAAAI) is a Provider, approved by the California Board of Registered Nursing, Provider #10704, for up to 251.00 Contact Hours.

## Advanced Practitioners

The AAPA, ANCC and AANP accept reports from advanced practitioners of their participation in activities offering *AMA PRA Category 1 Credits™* for continuing education and credentialing purposes. For more information, please contact the appropriate organization.

## Pharmacists

### **Accreditation Statement**

In support of improving patient care, this activity has been planned and implemented by Amedco LLC and American Academy of Allergy, Asthma & Immunology. Amedco LLC is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.



### **Pharmacists and Pharmacy Technicians (ACPE) Credit Designation**

This activity has been approved for knowledge-based CPE contact hours.

**NOTE to Pharmacists: The only official Statement of Credit is the one you pull from CPE Monitor. You must request your certificate within 30 days of your participation in the activity to meet the deadline for submission to CPE Monitor.**

## Registered Dietitians

The Commission on Dietetic Registration accepts reports from registered dietitians of their participation in activities offering *AMA PRA Category 1 Credits™* for continuing education and credentialing purposes. Contact the CDR for details on how to report completion of these activities.

## Medical Administrators

Practice administrators who attend the 2023 AAAAI Annual Meeting may apply for credit through the American College of Medical Practice Executives (ACMPE). For additional information, please contact the Medical Group Management Association at [www.mgma.com](http://www.mgma.com).

### **Target Audience**

Health care professionals who assist with and provide care to persons with asthma, allergic and immunologic diseases, specifically: RNs, LPNs, nurse practitioners, physician assistants, respiratory therapists, medical technologists, medical assistants, clinical research coordinators, and practice managers/administrators.

### **Learning Objectives**

Upon completion of the AAAAI Annual Meeting, participants should be able to discuss and expand upon the latest advances in medications, equipment and procedures necessary to promote health for their patients; describe and discuss new therapies, information, patient care and education in the field of allergy, asthma and immunology; identify new approaches to clinical research which will improve efficiency and effectiveness; and discuss coding and other administrative aspects of a medical practice. Please refer to the individual session descriptions in this program for session-specific learning objectives.



# The AAAAI Family of Journals

*Leading the Way in Allergy / Immunology Research Since 1929*

The American Academy of Allergy, Asthma & Immunology (AAAAI) is the leader in allergy/immunology research and is proud to publish three official journals featuring the latest scientific breakthroughs, allowing us to provide optimal care to our patients.



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

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Covering original research in allergy and immunology, basic science, Phase I/II clinical trials, population studies, and more from around the world, *JACI: Global* is the AAAAI's Gold Open Access Journal.

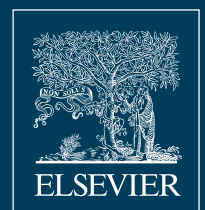
## Celebrating 10 Years!

### *The Journal of Allergy and Clinical Immunology: In Practice*



Covering the spectrum of diseases in allergy/immunology, *The Journal of Allergy and Clinical Immunology: In Practice* has been providing practical clinical research and the latest recommendations for diagnosis and treatment for a decade.

Visit the Journals booth near the Member Resource Center in San Antonio to learn more about the AAAAI family of journals and pick up your complimentary copies.



# Introduction to Track Sessions

## Sessions Tracked by Topic

To help you navigate the 225+ sessions in the Annual Meeting program, the index on the following pages lists all of the education sessions by topic. The topic categories include:

Allergens/Allergy Testing/Allergy Therapeutics

Allergic and Immunologic Skin Diseases

Allergy Office Practice

Anaphylaxis/Urticaria/Angioedema

Asthma

Autoimmune/Autoinflammatory Disorders

Drug/Insect Allergy/Vaccines

Food Allergy

Immune Mechanisms

Immunodeficiency

Lung Diseases Other than Asthma

Mast Cell/Eosinophilic Disorders

Research Principles

Rhinosinusitis/Ocular Allergy

Training and Career Development

These categories are included in the session descriptions in the Online Program as well. Use this index to tailor your Annual Meeting agenda to best meet your learning needs and answer your questions about your practice.

2023 Clinical Theme:  
Optimizing Scope of Practice

All education sessions related to the Annual Meeting clinical theme are highlighted in **light red**. Theme-related sessions include plenaries, symposia, workshops, and seminars throughout the meeting.

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College  
of Allergy, Asthma  
& Immunology



## Allergens/Allergy Testing/Allergy Therapeutics

- 0201** Basic Aeroallergen Course
- 1206** Effects of Climate Change on Health: Practical Information and Strategies for Climate Change Communication
- 1506** Systems Biology Approaches to Better Diagnose, Endotype and Treat Allergic Diseases
- 1507** Biomarkers for the Response to Allergen Immunotherapy
- 1509** Safety Considerations of Biologics in Allergic Disorders
- 1527** Cannabis-Related Allergies: Approaches and Potential Management
- 1808** Interplay of the Microbiome, Viruses, Allergens and Biologics
- 2009** Intralymphatic Immunotherapy (ILIT): The Future of Allergen Immunotherapy is Here: A Global Perspective
- 2301** World Allergy Forum: New Treatments for Difficult to Treat Inflammatory Diseases – Biologics and Small Molecules
- 2306** Emerging Diagnostic and Monitoring Approaches in Eosinophilic Gastrointestinal Diseases (EGID)
- 2506** Understanding Manufacturing and Supply Disruptions for Venom and Aeroallergen Extracts
- 2805** Managing Anaphylaxis to Allergy Injections: “Time is of the Essence”
- 3309** Advancing the Safety of Allergen Immunotherapy
- 3523** Tea with the Professor
- 4307** Climate Change, its Effects on Aeroallergens, and the Clinical Consequences
- 4713** Updates in Immunotherapy: Dosing, Cross Reactivity and Extract Stability
- 5403** Use of Sublingual Immunotherapy (SLIT) for Allergic Rhinitis and Conjunctivitis in the United States
- 5602** Novel Ways of Treating or Preventing Allergies and Asthma: Looking Down the Pipeline
- 5603** Mold Allergy: Current ‘Growth’ in Knowledge
- 5604** Allergy In-Vitro Diagnostics
- 5607** How Aerobiology Knowledge Could Improve Allergy Practice: From Microscope to Office Practice

## Allergic and Immunologic Skin Diseases

- 0501** New Developments in Atopic Dermatitis (AD) and Implications for the Atopic March
- 1020** Allied Health: The Itch You Can’t Scratch: Treatment of Severe Atopic Dermatitis in the Pediatric Patient
- 1508** To Patch or Not to Patch?
- 1510** Allied Health: Updates on Atopic Dermatitis: Personalizing Care Through New Guidelines and Treatment Options
- 2005** Dermatology for the Allergist
- 2013** Allied Health: A Multidisciplinary Approach to Patients with Severe Atopic Dermatitis
- 2304** The Skin-ny on the Skin Microbiota
- 2401** Patch Testing: Basics and Beyond
- 2804** Hands-On Skin Biopsy for Allergists
- 3001** Practical Issues of Managing a Patient with Allergic Skin Diseases on Biologics
- 3101** Atopic Dermatitis: New Insights from Bench to Bedside to Populations
- 3701** ADDA: The Role of Pollutants in the Dysbiosis of Atopic Dermatitis
- 4010** Allergy to Biomedical Implants
- 4301** Th2 Skin Diseases: Atopic Dermatitis and Beyond
- 5002** Atopic Dermatitis and Food Allergy: Best Practices and Knowledge Gaps from the Work Group Report from the AAAAI
- 5007** Advances in Angioedema
- 5406** Practice Parameter Update on Atopic Dermatitis

## Allergy Office Practice

- 1202** The Evolving Allergy and Immunology Practice
- 1205** Novel Approaches and Improvements to Care Using Technology: Telemedicine, E-consults and Electronic Health Records (EHR) Optimization
- 1520** Compounding, Prior Authorizations, Other Practice Challenges: How Office of Practice Management Can Help
- 1530** Practical Applications to Address Health Disparities and Inequities in the Clinical Setting: A Hands-On, Problem-Based Learning (PBL) Workshop
- 1810** Allied Health Plenary: Living Past the Pandemic: Applying What We Learned During COVID-19 to Optimize Patient Outcomes
- 2501** Translating Asthma Research into Clinical Practice: Leveraging Quality Improvement and Implementation Science
- 2503** How to Take an Effective, Five Minute Environmental and/or Occupational History
- 2523** Negotiating Work-Life Integration
- 2801** JACI: In Practice Year-in-Review Workshop
- 2802** In the News at the American Board of Allergy and Immunology (ABAI)
- 3307** Improving the Pipeline into the Field of Allergy and Immunology to Improve Workforce Challenges
- 3505** COVID-19 Testing: What is the Role of the Allergist/Immunologist in Guiding Clinical Testing?
- 3511** Digital Health Interventions Improve the Collection of Asthma Patient-Reported Outcomes (PROs)
- 3706** HETQ: AI for AI: Artificial Intelligence in Allergy/Immunology
- 5502** Transitioning Adolescent Care in Allergy and Immunology
- 5503** Improving Allergy Immunology Clinician Wellness by Removing “Pebbles in Your Shoe”
- 5504** The Future of Healthcare: Remote Patient Management and Remote Therapeutic Monitoring
- 5505** Leveraging Multi-Disciplinary Care in the Allergy/Immunology Clinic: Why it Matters and How to Do It

## Anaphylaxis/Urticaria/Angioedema

- 1801** Updates and Controversies in Anaphylaxis
- 2001** Perioperative Anaphylaxis
- 2803** Update from the US Food and Drug Administration
- 3501** Infant Anaphylaxis: Special Considerations
- 4003** Starting Penicillin Allergy Evaluations: Tools for Risk Assessment at Point of Care
- 5008** Anaphylaxis to Allergy Injections: Identify, Manage and Treat Life Threatening Reactions
- 5408** Update on Angioedema with Normal Labs
- 5410** 2022 Joint Task Force Anaphylaxis Practice Parameter Update
- 5707** Mas-Related G-Protein-Coupled Receptor X2 in Allergic Disease

## Asthma

- 1210** Diagnosing and Managing Non-Respiratory Comorbidities in Asthma
- 1211** Microbiome as a Gateway to Prevention of Allergic Airway Disease
- 1521** Allied Health: Advancements in Asthma Care Based on Our Understanding of Type 2 Inflammation and Phenotyping
- 1525** Hot Topics in Pediatric Allergy and Immunology
- 1533** Allied Health: COVID-19 Isn't Going Away: So Now What?
- 1805** Incorporating Exercise into the Management of Asthma Across the Lifespan
- 1809** Early Life Environmental Exposures Regulate Host Allergic Immune Responses: Lessons Learned from the Asthma and Allergic Diseases Cooperative Research Centers (AACRC) Birth Cohorts
- 2002** Asthma Digital Health Tools and Opportunities for Artificial Intelligence-Based Risk Prediction
- 2003** Optimal Management of Asthma in Older Adults
- 2010** Structural Cells Support the Asthma Phenotype: Lessons Learned from the Asthma and Allergic Diseases Cooperative Research Centers (AACRC)
- 2021** Allied Health: Difficult Cases: Are You Ready for the Challenge?
- 2302** Biologics in Severe Asthma: What Ones for Which Patients?
- 2309** Allied Health: Enhancing Asthma and Allergic Disease Care Adherence with a Psychosocial Assessment of Barriers: One Case Viewed Through Three Lenses
- 2402** Current and Emerging Digital Technologies in Asthma
- 2551** Global Initiative for Asthma (GINA) vs. National Heart, Lung, and Blood Institute (NHLBI) Guidelines: What Should I Use?
- 2809** Beyond Shots: Environmental Controls as an Intervention to Treat Allergic Disease and Asthma
- 3002** A Practical Guide to Biomarker Driven Management of Pediatric Asthma
- 3003** Biologic Treatment for Asthma: Sociodemographic

## Asthma, cont.

- Disparities, Facilitating Access, and Streamlining the Approval Process
- 3306** Geospatial Sciences: Insights into Asthma
- 3507** Quality Improvement, Big Data and Healthcare Outcomes: How to Leverage Partnerships to Advance Quality Care
- 3521** National Heart, Lung and Blood Institute (NHLBI): Managing Asthma in Older Adults
- 3524** Spirometry in the Office: Implementing the American Thoracic Society (ATS)/European Respiratory Society (ERS) Guidelines for Performance, Interpretation and Reporting
- 3702** ADT: Food as Medicine: An Emerging Treatment for Asthma
- 3704** EORD: Is Your Job Making You Sick? Approach to the Patient with Occupational Asthma
- 4006** Coming of Age: Neutrophils and Asthma
- 4306** Comparative Effectiveness of Biologics and Advanced Therapeutics in Allergic Diseases
- 4710** Timely Topics: Allergy/Immunology Care for the Pregnant Patient
- 5101** New Insights into Asthma in Urban Children
- 5102** Advancing Asthma Care Through Healthcare Technology: Recent Discoveries and Emerging Challenges
- 5103** Stress, Inflammation and Asthma
- 5104** Anti-Immunoglobulin E (IgE) vs. Anti-Eosinophilic Monoclonal Antibody in Multiply-Eligible Patients
- 5304** Highlighting Early Stage Investigators in Airway Research: Future of Our Specialty: Part 1
- 5506** Addressing Allergic Diseases in Vulnerable Children: The Impact of Adverse Childhood Experiences (ACEs), Health Disparities, and Overcoming Barriers to Care
- 5704** Immune Dysregulation, Metabolic Dysfunction, and Bad Asthma: Novel Pathways and Approaches to Achieving Control
- 5804** Allied Health: Healthy Teens, Healthy Adults: Promoting Asthma Self-Management Skills in Adolescents with Asthma
- 5807** Allied Health: Advances in Improving Outcomes for Severe Asthma: Challenges of Exercise and Physical Activity

## Autoimmune/Autoinflammatory Disorders

- 4005** Beyond IL-1: Novel Autoinflammatory Disorders
- 5004** Toxicities of Immune Checkpoint Inhibitors: Part 2
- 5201** Optimizing Care with a Multidisciplinary Approach to Immune Dysregulation
- 5703** Autoimmune Responses in Eosinophilic Lung Diseases

## Drug/Insect Allergy/Vaccines

- 1503** Practical Approach to Penicillin Allergy Evaluation in Pregnant Women
- 1526** Tackling Vaccine Hesitancy in Adults, Children and Special Populations
- 1601** Presidential Plenary: Paradigm Shifts in Drug Allergy
- 2006** Drug Allergy Worst Case Scenarios
- 2305** Allergy to COVID-19 Vaccines and COVID-19 Therapeutics
- 2502** Practical Approach Towards Developing a Delayed Skin Testing Program in Your Clinic
- 2808** The Ins and Outs of Severe Cutaneous Adverse Reactions (SCARs)
- 3006** Building a Chemotherapy Allergy Evaluation Program into Your Outpatient Practice
- 3011** Adverse Reactions to Ig Replacement
- 3304** Using Drug Allergy Expertise to Improve Patient Care in Other Specialties
- 3502** Problems in Diagnosis and Management of Insect Sting Allergy
- 3609** Improving the Care of Patients with Beta-Lactam Allergies
- 4303** Mechanisms of Immediate Drug-Induced Hypersensitivity Reaction
- 4305** Technology and the Electronic Health Record in Allergy
- 4712** Drug Allergy: Going Beyond Penicillin Allergy
- 5001** Diagnostic Testing in Insect Allergy
- 5003** Toxicities of Immune Checkpoint Inhibitors: Part 1
- 5005** Pearls for Communication: How to Discuss Drug Allergy with Our Non-Allergist Colleagues
- 5006** Diverse Hypersensitivity Reactions Associated with Vancomycin
- 5205** Vaccination and the Allergist/Immunologist
- 5401** Drug Allergy: Other Drugs
- 5402** Update on Allergy to Non-Beta-Lactam Antibiotics
- 5405** Drug Allergy Practice Parameter Update
- 5407** Evaluation and Management of Reactions to Novel Therapeutics for the Allergist

## Food Allergy

- 1021** Allied Health: Food Allergy Prevention: A Discussion of Current Evidence, Recommendations, Challenges and the Future
- 1207** Oral Immunotherapy for Food Allergy: A Clinical Practice Course
- 1529** Rapid Fire on Oral Immunotherapy (OIT): Five Foods, Five Allergists, Five Questions
- 1804** Genomics, Sociomics and Psychology of Food Allergy
- 2008** Guiding Subsequent Food Introductions After a Diagnosis of Food Protein-Induced Enterocolitis Syndrome (FPIES)
- 2012** Allied Health: Oral Immunotherapy: Not One Size Fits All



## Food Allergy, cont.

- 2308** Allied Health: Beyond the Diagnosis: Other Aspects of Living with a Food Allergy
- 2311** Allied Health: Beyond the Ingredient List: Nuances of Food Product Labeling
- 2505** How DO You 'Milk' a Coconut!? Practical Advice for Discussing and Selecting Appropriate Plant-Based Milk Alternatives for Milk-Allergic Children
- 2521** Beyond Learning Early About Peanut Allergy (LEAP): National Institute of Allergy and Infectious Diseases (NIAID)-Supported Studies in Peanut Allergy Prevention
- 2811** Food Challenges: Debates of Controversial and Challenging Issues
- 2812** Clarifying the Role, Pitfalls, and Approaches to Food Allergy Modeling
- 2821** Allied Health: Oral Food Challenges: Putting It All Together
- 3005** The Science of Fecal Microbiota Transplant in Food Allergy
- 3305** Adult Food Allergy: Not Just Big Kids
- 3401** Oral Food Challenges
- 3506** Addressing Food Allergy-Related, Life Threatening Reactions and Fatalities
- 3513** Allied Health: Beyond the Muffin: Expanding the Diet with the Baked Milk and Baked Egg Cookbook Authors
- 3705** FAED: Food Allergy: Then and Now
- 4002** Shared Decision Making for Food Allergy Therapy: Practical Steps
- 4101** Food Allergy Insights: Novel Observations in the Diagnosis and Management of Food Allergy
- 4701** Let Them Eat Everything! Prevention of Food Allergy in Infants Through Early Introduction
- 4702** Assessing and Improving Quality of Life in Patients and Families Affected by Food Allergy
- 5301** Advances in the Science of Eosinophilic Esophagitis (EoE)
- 5305** Highlighting Early Stage Investigators in Food Allergy: Future of Our Specialty: Part 2
- 5404** Eosinophilic Esophagitis: The Role of Biologics
- 5802** Allied Health: Comorbid Presentation of Eating Disorders in the Context of Food Allergies: How to Identify and What to Do
- 5803** Allied Health: How to Improve the Nutritional Status of Your Food Allergy Patient
- 5805** Allied Health: Alleviating Pediatric Food Allergy Anxiety During Office Visits: What is Efficient, Effective and Evidence-Based?
- 5806** Allied Health: Boost Your Practice! How to Perform Food Challenges Safely and Efficiently
- 5808** Allied Health: Tree Nut Allergy Update

## Immune Mechanisms

- 1502** The Bullseye on Prostaglandins in Targeting Allergic Diseases
- 1522** Beyond B Cells: The Changing Face of X-Linked Agammaglobulinemia (XLA)
- 1523** JACI Year-in-Review Workshop
- 1524** Fungus Among Us: Novel Insights into Fungal Airway Disease
- 1528** Irritants and Disruption of the Skin and Airway Epithelial Barrier: Models from the Workplace
- 1802** Ontogeny of the Immune System in Infancy: Pathway to Atopy
- 1806** Expanding the Scope of Allergy/Immunology Practice: Genetics in the Diagnosis and Management of Immunologic Disease
- 1807** Gut Immune Dysregulation
- 2101** Impact of Climate Change and Environmental Hazards on Allergic Disease
- 2307** Immunoglobulin E Explodes!: Lessons Learned from the Asthma and Allergic Diseases Cooperative Research Centers (AACRCs)
- 2508** If I Had a Hammer: Targeting Epithelial Alarmins
- 2522** National Institute of Environmental Health Sciences (NIEHS): Exposure: Microbiome Interface in the Pathogenesis of Inflammatory Diseases
- 2807** Allergy and Adipose Tissue: Type 2 Control of Fat Function
- 3004** Do You Smell That? Inflammation and Olfactory Damage
- 3010** Immune Mechanisms of Pollutant-Mediated Asthma and Airway Inflammation
- 3301** Insights into Alpha-gal Glycolipids, Hemostasis in Atopic Dermatitis, and Follistatin-like-1 Modulating Inflammatory Vasculitis: Research from the 2020 AAAAI Foundation Faculty Development Awardees
- 3302** European Academy of Allergy and Clinical Immunology (EAACI): The Immune Modulation Toolbox for Allergic Diseases and Asthma
- 3310** Protective Power of Commensal Microbiota Against Allergic Diseases and Infection
- 3708** MAAI: Biology of Microbial Resistance and Approaches to Combat It
- 4007** Integrative Medicine Treatment Modalities for Long COVID-19
- 4009** Mechanisms of Allergic Sensitization
- 4304** Neuroimmunology of Allergic Disease
- 4711** Let's Not Forget Flu and Respiratory Syncytial Virus (RSV): What's New?
- 4714** Suppressing Innate Lymphoid Cells (ILCs) Activation: The Future of Treatment for Allergic Disease
- 5202** Immunity of Aging Patients: Implications for the Practicing Allergist/Immunologist
- 5204** The Role of the Microbiome in Immune Mediated Diseases
- 5208** Mechanistic Insights into the Impact of Obesity on Immune Function

## Immune Mechanisms, cont.

- 5302** What Environmental Exposures Can Teach Us About Allergy Mechanisms
- 5303** Mechanisms of Immune Dysregulation in the Gut
- 5507** Introduction to Psychoneuroimmunology: Understanding the Biology of Stress and its Impact on the Innate and Adaptive Immune Response
- 5601** But Doctor, How and Why Does it Work? An Update on the Diverse Immune Mechanisms of Allergen Immunotherapy
- 5701** Neuroregulation by T2 Immunity
- 5702** IL-33: Gateway to Allergic Disease-Lessons Learned From the AACRC
- 5705** New Insights into the Immune Mechanisms of Severe Asthma

## Immunodeficiency

- 1201** 2023 Difficult Cases
- 1212** Allied Health Advanced Practice Course: Optimizing the Scope of Practice for the Allied Health Allergy Provider
- 1501** Lymphoproliferation in the Allergy/Immunology Clinic
- 1511** Allied Health: I Have an Immunodeficiency-Can I..?
- 2011** Antibiotic Prophylaxis and the Importance of Drug Allergy Delabeling in Primary Immunodeficiency (PIDD) Patients
- 2303** Hot New Defects in Clinical Immunology
- 2509** Inside the Black Box: Tools to Quantify Altered Immune Function in the Inborn Error of Immunity Patient
- 2510** Diagnostic and Treatment Guidelines for Severe Combined Immunodeficiency (SCID) and Related Disorders
- 2552** Patients with Secondary Hypogammaglobulinemia Need to Be on Immunoglobulin (IgG) Supplementation When Their IgG Is Below 400
- 2806** Secondary Hypogammaglobulinemia
- 3303** Cytopenias in Patient with Inborn Errors of Immunity: Diagnosis and Treatment Dilemma
- 3510** Genetics of Atopy: Is Hyper-IgE Different from Allergy?
- 3512** Allied Health: Diagnostic Quandaries: Is it an Immunodeficiency?
- 3703** BCI: I Found a Handful of Variants of Uncertain Significance (VUS), Now What?
- 5206** The Neonatal Fc Receptor (FcRn) Antagonists as a Novel Cause of Hypogammaglobulinemia
- 5501** Health Disparities in Immune Deficiency

## Lung Diseases Other than Asthma

- 1505** Diagnosing Allergic Bronchopulmonary Aspergillosis (ABPA): What We Know and What We Don't
- 3007** Health Effects of Wildfire Smoke in Adult and Pediatric Populations
- 3503** Problem-Based Learning (PBL) Approach to a Difficult Case of Chronic Cough
- 4302** Current Medical, Behavioral and Surgical Interventions for Treatment Modalities for Chronic Cough

## Mast Cell/Eosinophilic Disorders

- 1504** Assessing Infants and Toddlers with Feeding Difficulties at Risk for Eosinophilic Esophagitis
- 2507** Practical Approach for Evaluating and Managing Patients With Hypereosinophilia
- 2511** Challenging Cases of Eosinophilic Esophagitis: Bring Your Own Case
- 2810** Eosinophilic Gastrointestinal Disorders (EGID) Below the Esophagus: What is New in Diagnosis?
- 3509** The Role of Mast Cells in Allergic Disease: Old Cells With New Tricks
- 3551** Is There a Role for Aeroallergen Immunotherapy in the Treatment of Eosinophilic Esophagitis?

## Research Principles

- 1203** From Bed to Benchside: Leveraging Molecular and Epidemiological Research to Understand Disease Mechanisms
- 1204** Meeting of the Omics: The Future of Discovery and Clinical Care in Allergy
- 1208** Quality Improvement, Adherence and Outcomes Projects from Start to Finish
- 1531** Funding Opportunities for Your Allergy/Immunology Research Career
- 1803** Educational and Quality Improvement Initiatives That Empower Generalists to Provide High-Value Care
- 2007** Can a Healthy Gut Improve Allergic Diseases?
- 3008** What is the Current Status of Automated Pollen Counters?
- 5801** Allied Health: Clinical Research: IRBs, GCP, CROs and EDCs: Making Sense of the Regulatory Alphabet Soup

## Rhinosinusitis/Ocular Allergy

- 1209** Cellular Players in Chronic Rhinosinusitis with Nasal Polyps and in NSAID-Exacerbated Respiratory Disease (N-ERD)
- 1532** Bench to Bedside in Non-Allergic Rhinitis: The Pathophysiology Underlying Current and Novel Therapeutics for the Future
- 2813** Introductory Rhinolaryngoscopy Workshop with Hands-On Learning
- 3009** Evaluation and Screening for Sleep Apnea and Other Sleep-Related Conditions in Chronic Rhinosinusitis
- 3308** The Epithelium in Health and Disease and the Underlying Mechanisms of Chronic Rhinosinusitis
- 3508** When Should Endoscopic Sinus Surgery Be Considered for Chronic Rhinosinusitis Patients?
- 3552** Biologics Should Be Used Before Aspirin Desensitization in Aspirin Exacerbated Respiratory Disease (AERD)
- 3707** IRSO: A Panel of Experts for Guidance of Biologics in Chronic Rhinosinusitis with Nasal Polyps (CRSwNP)
- 4008** Selection of Biologics for Treatment of the Unified Airway
- 4703** Performing an Aspirin Desensitization for Aspirin-Exacerbated Respiratory Disease
- 5409** 2022 Joint Task Force Sinusitis GRADE Practice Parameter Update-Choose Your Own Recommendation!
- 5605** Dupilumab-Associated Conjunctivitis
- 5606** Allergic Fungal Rhinosinusitis, Optimal Medical and Surgical Management

## Training and Career Development

- 0001** 37<sup>th</sup> Annual Harold B. Nelson Military Allergy/Immunology Symposium
- 601** 2023 ABAI Continuous Assessment Program Literature Review Course
- 1011** 2023 FIT Symposium
- 1012** 2023 Chrysalis Project Program (Invitation Only)
- 1110** Program Directors Assembly Boot Camp: Developing and Maintaining Excellence in Allergy/Immunology (A/I) Fellowship Training Programs
- 2405** Career Paths in Allergy and Immunology
- 5307** Expert's Journal Club: Impactful Papers in Allergy/Immunology (A/I)

## Theme Sessions: Optimizing Scope of Practice

- 1203** From Bed to Benchside: Leveraging Molecular and Epidemiological Research to Understand Disease Mechanisms
- 1204** Meeting of the Omics: The Future of Discovery and Clinical Care in Allergy
- 1206** Effects of Climate Change on Health: Practical Information and Strategies for Climate Change Communication
- 1210** Diagnosing and Managing Non-Respiratory Comorbidities in Asthma
- 1506** Systems Biology Approaches to Better Diagnose, Endotype and Treat Allergic Diseases
- 1507** Biomarkers for the Response to Allergen Immunotherapy
- 1521** Airways Disease That is Not Asthma: Exposures, Diagnosis and Treatment
- 1805** Incorporating Exercise into the Management of Asthma Across the Lifespan
- 1806** Expanding the Scope of Allergy/Immunology Practice: Genetics in the Diagnosis and Management of Immunologic Disease
- 2002** Asthma Digital Health Tools and Opportunities for Artificial Intelligence-Based Risk Prediction
- 2009** Intralymphatic Immunotherapy (ILIT): The Future of Allergen Immunotherapy is Here: A Global Perspective
- 2301** World Allergy Forum: New Treatments for Difficult to Treat Inflammatory Diseases-Biologics and Small Molecules
- 2303** Hot New Defects in Clinical Immunology
- 2306** Emerging Diagnostic and Monitoring Approaches in Eosinophilic Gastrointestinal Diseases (EGID)
- 2401** Patch Testing: Basics and Beyond
- 2402** Current and Emerging Digital Technologies in Asthma
- 2509** Inside the Black Box: Tools to Quantify Altered Immune Function in the Inborn Error of Immunity Patient
- 2510** Diagnostic and Treatment Guidelines for Severe Combined Immunodeficiency (SCID) and Related Disorders
- 2804** Hands-On Skin Biopsy for Allergists
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- 3005** The Science of Fecal Microbiota Transplant in Food Allergy
- 3006** Building a Chemotherapy Allergy Evaluation Program into Your Outpatient Practice
- 3009** Evaluation and Screening for Sleep Apnea and Other Sleep-Related Conditions in Chronic Rhinosinusitis
- 3303** Cytopenias in Patient with Inborn Errors of Immunity: Diagnosis and Treatment Dilemma
- 3304** Using Drug Allergy Expertise to Improve Patient Care in Other Specialties

## Theme Sessions: Optimizing Scope of Practice, cont.

- 3306** Geospatial Sciences: Insights into Asthma
- 3505** COVID-19 Testing: What is the Role of the Allergist/  
Immunologist in Guiding Clinical Testing?
- 3507** Quality Improvement, Big Data and Healthcare Outcomes:  
How to Leverage Partnerships to Advance Quality Care
- 3521** National Heart, Lung, and Blood Institute (NHLBI): Managing  
Asthma in Older Adults
- 4007** Integrative Medicine Treatment Modalities for Long COVID-19
- 4010** Allergy to Biomedical Implants
- 4101** Food Allergy Insights: Novel Observations in the Diagnosis  
and Management of Food Allergy
- 4301** Th2 Skin Diseases: Atopic Dermatitis and Beyond
- 4305** Technology and the Electronic Health Record in Allergy
- 4712** Drug Allergy: Going Beyond Penicillin Allergy
- 5003** Toxicities of Immune Checkpoint Inhibitors: Part 1
- 5004** Toxicities of Immune Checkpoint Inhibitors: Part 2
- 5102** Advancing Asthma Care Through Healthcare Technology:  
Recent Discoveries and Emerging Challenges
- 5201** Optimizing Care with a Multidisciplinary Approach to Immune  
Dysregulation
- 5303** Mechanisms of Immune Dysregulation in the Gut
- 5407** Evaluation and Management of Reactions to Novel  
Therapeutics for the Allergist
- 5507** Introduction to Psychoneuroimmunology: Understanding the  
Biology of Stress and its Impact on the Innate and Adaptive  
Immune Response

# AAAAI FOUNDATION

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## Thursday, February 23, 2023

### Chrysalis Project Welcome and Registration (Invite Only)

6:00 to 7:00 pm

**Marriott Rivercenter, Third Floor, Grand B**

Registration restricted to selected participants of award program.

## Friday, February 24, 2023

### Course

<b>1012</b>	<b>2023 Chrysalis Project Program (Invite Only)</b> 7:30 am to 1:30 pm <b>Marriott Rivercenter, Third Floor, Grand I</b> Pre-registration and ticket required. Attendance restricted to selected participants of award program. No fee. Continental breakfast and box lunch included. Credit: No CME/CE <i>Moderators: Asriani M. Chiu, MD FAAAAI and Rebecca Saff, MD PhD FAAAAI</i>
<b>7:30</b>	<b>Breakfast</b>
<b>8:00</b>	<b>Welcome from Chrysalis Chairs</b> <i>Asriani M. Chiu, MD FAAAAI</i> <i>Rebecca Saff, MD PhD FAAAAI</i>
<b>8:10</b>	<b>Welcome from the AAAAI President</b> <i>David A. Khan, MD FAAAAI</i>
<b>8:15</b>	<b>Immunodeficiency</b> <i>Kimberly A. Risma, MD PhD FAAAAI</i>
<b>8:45</b>	<b>Atopic Dermatitis</b> <i>Mark Boguniewicz, MD FAAAAI</i>
<b>9:15</b>	<b>Food Allergy</b> <i>Stacie M. Jones, MD FAAAAI</i>
<b>9:45</b>	<b>Break (10 minutes)</b>
<b>9:55</b>	<b>Asthma</b> <i>Michelle L. Hernandez, MD FAAAAI</i>
<b>10:25</b>	<b>Drug Allergy</b> <i>Kimberly G. Blumenthal, MD MSc FAAAAI</i>
<b>10:55</b>	<b>Break (10 minutes)</b>
<b>11:05</b>	<b>Hot Topics Discussion Sessions</b> <b>Immune Deficiency</b> <i>Joud Hajjar, MD</i> <i>Jocelyn Farmer, MD PhD</i> <b>Food Allergy</b> <i>Sarita U. Patil, MD FAAAAI</i> <i>Edwin H. Kim, MD FAAAAI</i> <b>Drug Allergy</b> <i>Kimberly G. Blumenthal, MD MSc FAAAAI</i> <i>Cosby A. Stone, MD MPH</i>
<b>12:25</b>	<b>Chrysalis Project Participant Class Photo</b>
<b>12:30</b>	<b>Lunch with FIT Mentors</b>

## Saturday, February 25, 2023

### Course

<b>2405</b>	<b>Careers Paths in Allergy and Immunology</b> 12:00 to 1:45 pm <b>Convention Center, Meeting Room Level, Room 217C</b> Pre-registration and ticket required. Attendance restricted to selected participants of the Chrysalis Project program, medical students and residents. No fee. Box lunch included. Credit: 1.75 CME Credits <i>Moderator: Rebecca Scherzer, MD FAAAAI</i>
<b>12:00</b>	<b>Lunch</b>
<b>12:15</b>	<b>Welcome/Intro</b> <i>Rebecca Scherzer, MD FAAAAI</i>
<b>12:25</b>	<b>Academia Clinical &amp; Q/A</b> <i>Princess U. Ogbogu, MD FAAAAI</i> <i>Kathleen E. Sullivan, MD PhD FAAAAI</i>
<b>12:35</b>	<b>Academia Research &amp; Q/A</b> <i>Nora A. Barrett, MD FAAAAI</i> <i>Mitchell H. Grayson, MD FAAAAI</i>
<b>12:45</b>	<b>Industry &amp; Q/A</b> <i>Michael D. Howell, PhD</i> <i>Dorothy S. Cheung, MD FAAAAI</i>
<b>12:55</b>	<b>Government &amp; Q/A</b> <i>Taylor A. Banks, MD</i> <i>Melody C. Carter, MD FAAAAI</i>
<b>1:05</b>	<b>Private Practice &amp; Q/A</b> <i>Maeve Edel O'Connor, MD FAAAAI</i> <i>Weily Soong, MD FAAAAI</i>
<b>1:15</b>	<b>Open Q&amp;A session (30 minutes)</b>
<b>1:40</b>	<b>Summary (3-5 minutes)</b> <i>Rebecca Scherzer, MD FAAAAI</i>

### Chrysalis Project Reception (Invite Only)

6:00 to 7:00 pm Reception

**Marriott Rivercenter, Third Floor, Grand E**

Private reception open to current Chrysalis participants, Chrysalis mentors, Chrysalis faculty, Chrysalis workgroup members, Program Directors Assembly and AAAAI Board of Directors. Prior RSVP required.

# 2023 AAAAI Advocacy Priorities

The AAAAI works independently and in collaboration with other physician and patient organizations. Committed volunteer leaders work with our professional government relations team to deliver unparalleled engagement in pursuit of these priorities:

- Reforming prior authorization and reducing barriers to patient access to care
- Addressing scope of practice and transparency in medical care
- Impacting physician reimbursement
- Countering healthcare disparities and inequities in Allergy/Immunology care
- Reducing physician practice burden
- Increasing federal research funding to improve patient outcomes

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# Fellows-in-Training (FIT) Program

## Friday, February 24, 2023

### Course

- 1011 2023 FIT Symposium**   
7:00 am to 1:30 pm  
**Marriott Rivercenter, Third Floor, Grand E**  
Pre-registration and ticket required. Attendance restricted to current allergy/immunology Fellows-in-Training only. No fee. Continental breakfast and box lunch included.  
This Session Will Use Audience Response Technology  
Credit: No CME/CE  
*Moderator: Ashley Sandoval, MD*
- 7:00 Networking Breakfast**
- 7:45 Welcome and Introduction**  
*Ashley Sandoval, MD*
- 7:55 Networking Committees and Organizations**
- 8:15 American Board of Allergy and Immunology (ABAI) Update**  
*Michael R. Nelson, MD PhD FAAAAI*
- 8:35 AAAAAI President Welcome**  
*David A. Khan, MD FAAAAI*
- 8:45 What's New in Management of Antibiotic Allergies**  
*David A. Khan, MD FAAAAI*
- 9:25 Break**
- 9:40 Diagnosing Contact Dermatitis and Its Mimickers: An Allergy and Dermatology Perspective**  
*Luz S. Fonacier, MD FAAAAI and Marc J. Serota, MD*
- 10:20 Four Patient Presentations of Immunodeficiency: The Abnormal Newborn Screen, Recurrent Cellulitis and Abscesses, Recurrent Sinopulmonary Infections, and Recurrent Sepsis**  
*Neema Izadi, MD MS and Kathleen E. Sullivan, MD PhD FAAAAI*
- 11:00 Break**
- 11:15 Eosinophilic Gastrointestinal Disorders: Patient management and When to Consider Biologics**  
*Javed Sheikh, MD FAAAAI and Marc E. Rothenberg, MD PhD FAAAAI*
- 11:55 How to Incorporate Wellness into Fellowship and the Workplace**  
*David R. Stukus, MD FAAAAI and Sunil K. Saini, MD FAAAAI*
- 12:35 Networking Lunch**

### FIT Reception

5:00 to 6:00 pm  
**Marriott Rivercenter, Third Floor, Grand E**  
*Sponsored by DBV Technologies*  
Private reception open to current allergy/immunology Fellows-in-Training only.

## Saturday, February 25, 2023

### Workshop

- 2557 Interesting Cases Part I**  
12:30 pm - 1:45 pm  
**Convention Center, Ballroom Level, Room 304A**  
Credits 1.25 CME  
*Moderator: Jaclyn Bjelac, MD*
- Something to Chew On**  
*Rebecca M. Duron, MD*
- Dupilumab as a Treatment for HES with Associated AERD and EGID**  
*Jenny Huang, MD*
- A Case of Coronary Vasospasm and Eosinophilia**  
*Pavan Nataraj*
- Leukotriene Receptor Antagonist Prophylaxis to Food-Dependent Exercise-Induced Anaphylaxis**  
*Vinh T. Nguyen, MD*
- Orofacial Granulomatosis Mimicking Angioedema: a Harbinger of Chronic Myelomonocytic Leukemia?**  
*Irene H. Yuan, MD*

## Sunday, February 26, 2023

### Workshop

- 3557 Interesting Cases Part II**  
12:30 pm - 1:45 pm  
**Convention Center, Ballroom Level, Room 304A**  
Credits 1.25 CME  
*Moderator: Lulu R. Tsao, MD*
- EBV+ Diffuse Large B Cell CNS Lymphoma as a Complication of IL2RG SCID**  
*Rebecca Koenigsberg, DO*
- A Perilous Mistake: Methotrexate-induced Epidermal Necrosis Mimicking Stevens Johnson Syndrome**  
*Prarthana Patel, MD*
- Severe CD4 Lymphopenia in a Patient with TRAF3 Haploinsufficiency**  
*Tomara K. Spiess, MD*
- X-linked Chronic Granulomatous Disease with Hemophagocytic Lymphohistiocytosis and McLeod Phenotype**  
*Allison Weisnicht, MD*
- A Case of Hypocalcemic Tetany in a Patient with X-linked Agammaglobulinemia**  
*Ashley Y. Wu, MD*



# VAMPSS

Vaccines and Medications in  
Pregnancy Surveillance System



American Academy of  
Allergy Asthma & Immunology

## Helping you care for your pregnant patients with allergies and asthma

The Vaccines and Medications in Pregnancy Surveillance System (VAMPSS), facilitated by the AAAAI, studies the safety of vaccines and medications during pregnancy, including biologics used to treat severe asthma and COVID-19 vaccines. VAMPSS and our partners have a myriad of resources to support you in improving the care of your pregnant and lactating patients with asthma.

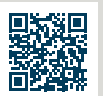
### While you're in San Antonio:

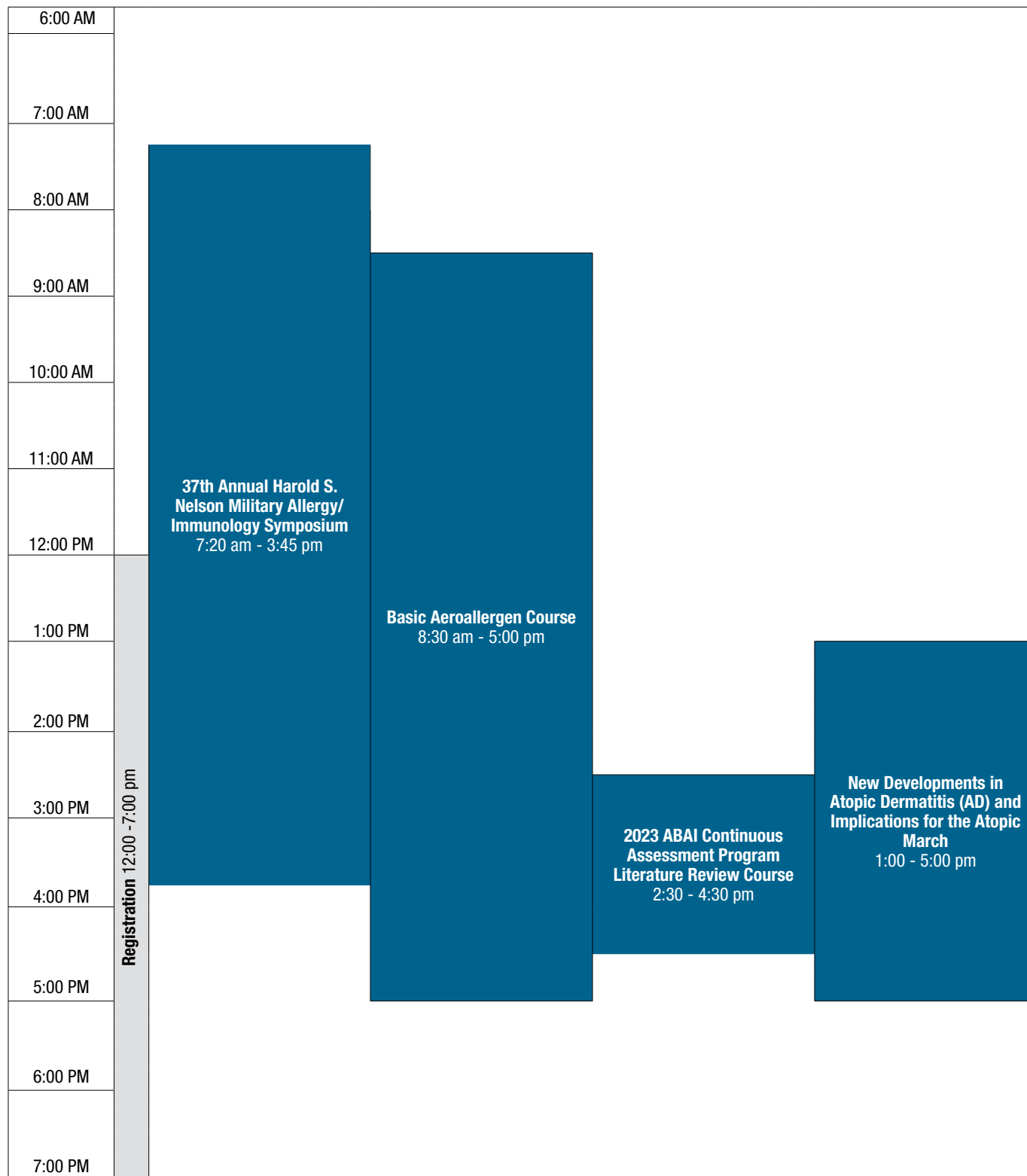
- Visit MotherToBaby at booth 1282 in the exhibit hall to learn about pregnancy studies for pregnant and lactating women, and gather resources to refer your patients to be a part of this important research
- Attend this important workshop that includes VAMPSS Principal Investigators  
**Timely Topics: Allergy/Immunology Care for the Pregnant Patient**  
Monday, February 27, 2:15 – 3:30 pm, Convention Center, Ballroom Level, Room 304A  
Moderator: Michael Schatz, MD, MS, FAAAAI  
Speakers: Christina Chambers, PhD, MPH; Jennifer Namazy, MD, FAAAAI; Deborah L. Lee, MD



### When you return home:


- Access a pregnancy specific Asthma Action Plan and validated Pregnancy Asthma Control Test from the AAAAI website to use with your patients (developed in collaboration with the Women's Health A/I committee)
- Refer/apply to be a VAMPSS FIT – this unique program allows FITs interested in the interface between allergy/immunology and reproductive medicine/pregnancy to work with the VAMPSS Investigative Team on a clinical or research project. More information available at <https://www.aaaai.org/ApplyVAMPSS>









## Courses

- 0001 37th Annual Harold B. Nelson Military Allergy/Immunology Symposium**   
- 7:20 am to 3:45 pm  
**Convention Center, Meeting Room Level, Room 225C**  
 Pre-registration and ticket required. Fee: \$0 for MAIA members; \$75 for non-MAIA members.  
 Credits: 6.25 CME/CE
- 7:20 Registration and Breakfast**  
*All Participants*
- 7:50 Welcome and Overview**  
*Derek M. Smith, MD*
- 8:00 Eosinophilic Esophagitis: Diagnosis and Treatment Updates**  
*Jonathan M. Spergel, MD PhD FAAAAI*
- 9:10 Case Reports**  
*All Participants*
- 10:25 Original Research**  
*All Participants*
- 11:10 Defense Health Agency: Immunization Healthcare Division Update**  
*Cecilia Makita, MD MPH*
- 11:40 Military Aeroallergen Extract Laboratory Updates**  
*David J. Schwartz, MD*
- 11:55 Lunch**  
*All Participants*
- 12:15 Common Variable Immunodeficiency (CVID): Diagnosis and Treatment Updates**  
*Charlotte Cunningham-Rundles, MD PhD FAAAAI*
- 1:20 VHA Allergy Committee**  
*Joseph Yusin, MD FAAAAI*
- 1:40 Air Force**  
*Daniel A. Steigelman, MD*
- 2:00 Army**  
*David J. Schwartz, MD*
- 2:20 Navy**  
*Taylor A. Banks, MD*
- 2:40 Military Implication of EoE Panel Discussion: Air Force Panel Discussion**  
*Daniel A. Steigelman, MD*
- 2:40 Military Implication of EoE Panel Discussion: Army Panel Discussion Speaker**  
*David J. Schwartz, MD*
- 2:40 Military Implication of EoE Panel Discussion: Navy Panel Discussion Speaker**  
*Taylor A. Banks, MD*
- 3:05 Career Development in Allergy**  
*Hans F. Otto, MD FAAAAI*
- 3:35 Business Meeting and Award Presentation**  
*All Participants*

- 0201 Basic Aeroallergen Course**  
- 8:30 am to 5:00 pm  
**Convention Center, Ballroom Level, Room 301A**  
 Pre-registration and ticket required. Fee: \$250.  
 Credits: 7.75 CME/CE
- 8:30 Welcome and Introduction**  
*Estelle Levetin, PhD FAAAAI*
- 8:35 Introduction to Fungal Aerobiology**  
*W. Elliott Horner, PhD FAAAAI*
- 9:15 Fungal Spore Morphology**  
*Estelle Levetin, PhD FAAAAI*
- 10:00 Hands-On Microscopy for Fungal Spores**  
*Estelle Levetin, PhD FAAAAI*
- 10:00 Hands-On Microscopy for Fungal Spores**  
*W. Elliott Horner, PhD FAAAAI*
- 11:40 All Participants**
- 12:30 Setting Up a Sampling Station and Demonstration**  
*Andrew C. Rorie, MD FAAAAI*
- 2:00 Pollen Aerobiology I**  
*Richard W. Weber, MD FAAAAI*
- 2:50 Pollen Aerobiology II**  
*Kraig W. Jacobson, MD FAAAAI*
- 3:40 Hands-On Microscopy for Pollen**  
*Richard W. Weber, MD FAAAAI*
- 3:40 Hands-On Microscopy for Pollen**  
*Kraig W. Jacobson, MD FAAAAI*

## Courses (continued)

- 0501 New Developments in Atopic Dermatitis (AD) and Implications for the Atopic March**     
 1:00 to 5:00 pm  
**Convention Center, Meeting Room Level, Room 221C**  
 Pre-registration and ticket required. Fee: \$10.  
 Credits: 3.00 CME/CE
- 1:00 Introduction**  
*Ellen R. Sher, MD FAAAAI*
- 1:10 Differential Diagnosis of Atopic Dermatitis**  
*Jonathan Silverberg, MD PhD MPH*
- 1:30 Immune Pathogenesis: Towards Personalized Medicine**  
*Emma Guttman-Yassky, MD PhD*
- 1:55 The Leaky Barrier: Abnormalities in Keratinocyte Differentiation, Tight Junctions and Lipids**  
*Alan D. Irvine, MD*
- 2:15 Clinical and Molecular Differences in Skin and Blood of Children Compared to Adults**  
*Amy S. Paller, MD*
- 2:35 Infections in Atopic Dermatitis and Implications for Therapy**  
*Carolyn Jack, MDCM PhD*
- 2:55 Break and Refreshments**  
*All Participants*
- 3:15 Emerging Topical Therapies**  
*Robert Bissonnette, MD MSc*
- 3:40 Emerging Systemic Therapies**  
*Eric Simpson, MD MCR*
- 4:00 Prevention Strategies for Atopic Dermatitis and the Atopic March**  
*Ioana O. Agache, MD PhD*
- 4:20 Panel Discussion Question and Answer**  
*All Participants*
- 0601 2023 ABAI Continuous Assessment Program Literature Review Course**   
 2:30 to 4:30 pm  
**Convention Center, Ballroom Level, Room 302A**  
 Credits: 2.50 CME/CE
- 2:30 Introduction**  
*David R. Stukus, MD FAAAAI*
- 2:35 Food and Drug Allergy/Hypersensitivity Reaction; Eosinophilic or Gastrointestinal Disorders**  
*Yamini V. Virkud, MD MA MPH FAAAAI*
- 3:25 Dermatologic and Anaphylaxis**  
*John M. Kelso, MD FAAAAI*
- 3:50 Immune Hypersensitivity Disorders and Immunodeficiency**  
*Yasmin W. Khan, MD*
- 4:15 Emerging National Health Priorities**  
*David R. Stukus, MD FAAAAI*

Supporting every area of  
your practice every day

# Practice Management Hub

What  
problem does  
your practice  
need to  
solve?

San Antonio Convention Center, Lobby Level, Hall 1 Concourse

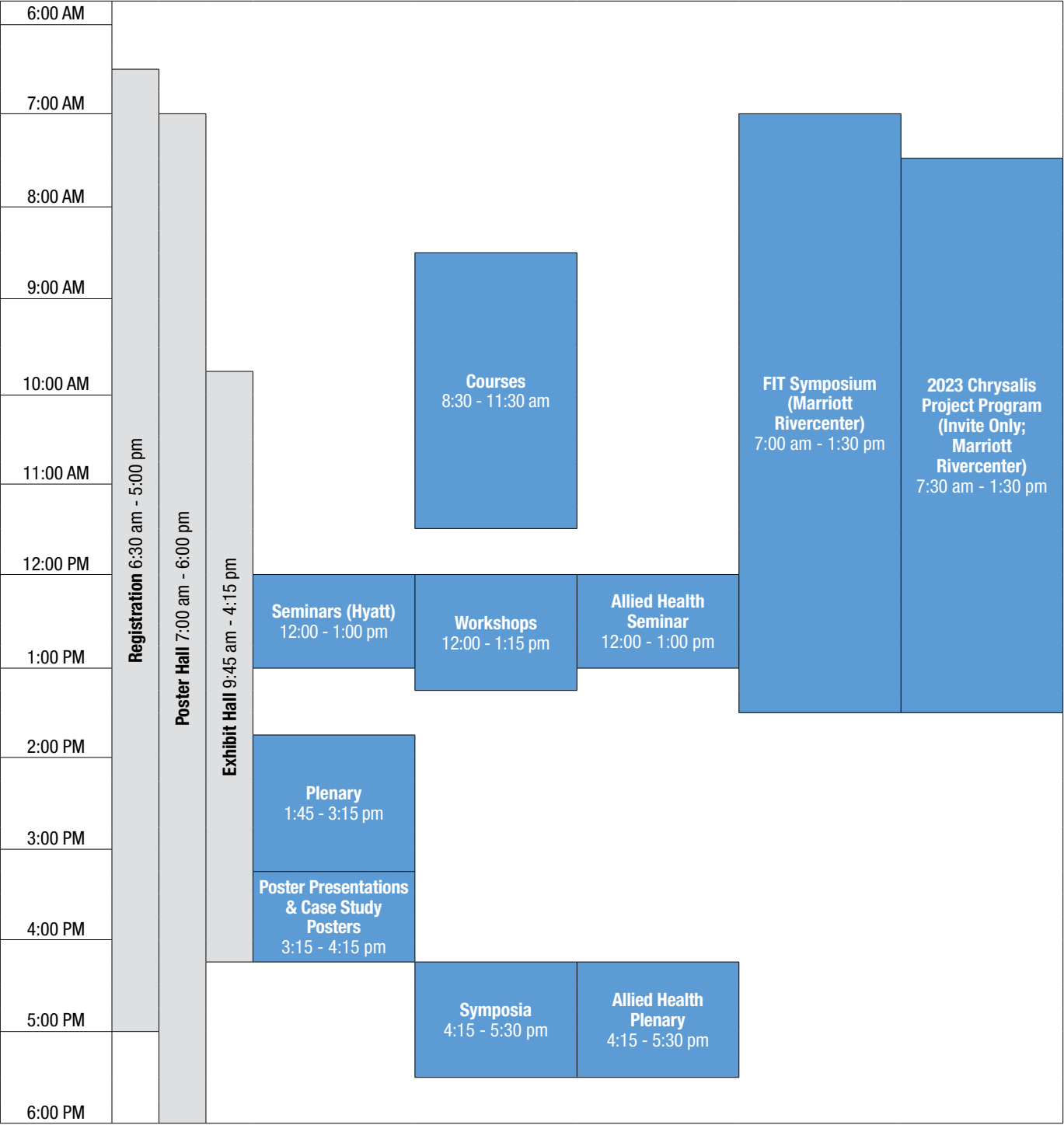
Friday noon to 4:00 pm • Saturday 8:00 am to 5:00 pm

Sunday 8:30 am to 4:00 pm • Monday 9:00 am to noon

## Expert Office Hours

Friday, February 24, 2023		
3:15 to 4:00 pm	<b>Negotiating Your Next Opportunity</b>	<i>Vivian Hernandez-Trujillo, MD FAAAAI</i>
Saturday, February 25, 2023		
9:45 to 10:45 am	<b>Coding Conundrums</b>	<i>Teresa Thompson, CPC CMSCS</i>
10:45 to 11:45 am	<b>Mobile Health Applications and Telemedicine</b>	<i>Sunit Jariwala, MD FAAAAI</i>
11:00 am to 12:00 pm	<b>Office of Practice Management, Payer Relations</b>	<i>James Sussman, DO FAAAAI Richard Honsinger, MD FACP FAAAAI</i>
2:00 to 3:00 pm	<b>Compounding Standards</b>	<i>Mohamed Yassin, MD FAAAAI Emily Graham, MSHIM RHIA CCS-P VP Hart Health Strategies, Inc.</i>
3:00 to 3:30 pm	<b>The AAAAI Registry: QCDR &amp; Compounding Safety Data</b>	<i>Gary Steven, MD PhD FAAAAI</i>
Sunday, February 26, 2023		
9:45 to 10:45 am	<b>COVID-19 Response Task Force</b>	<i>Paul V. Williams, MD FAAAAI</i>
11:00 am to 12:00 pm	<b>Managing Biologics/Buy &amp; Bill</b>	<i>Priya J. Bansal, MD FAAAAI</i>
2:00 to 3:00 pm	<b>AAAAI Advocacy: Prior Authorization &amp; other priorities</b>	<i>Stuart Abramson, MD PhD FAAAAI Emily L. Graham, MSHIM RHIA CCS-P VP Hart Health Strategies, Inc.</i>
3:00 to 4:00 pm	<b>Penicillin Allergy Testing</b>	<i>Allison Ramsey, MD FAAAAI</i>

Because **Practice Matters!** to the AAAAI



## Courses

- 1011 2023 FIT Symposium**    
 7:00 am to 1:30 pm  
**Marriott Rivercenter, Third Floor, Grand E**  
 Credits: 0.0 CME/CE
- 7:00 Networking Breakfast**  
*All Participants*
- 7:45 Welcome and Introduction**  
*Ashley Sandoval, MD*
- 7:55 Networking Committees and Organizations**  
*All Participants*
- 8:15 American Board of Allergy and Immunology (ABAI) Update**  
*Michael R. Nelson, MD PhD FAAAAI*
- 8:35 AAAAAI President Welcome**  
*David A. Khan, MD FAAAAI*
- 8:45 What's New in Management of Antibiotic Allergies**  
*David A. Khan, MD FAAAAI*
- 9:40 Diagnosing Contact Dermatitis and Its Mimickers: An Allergy and Dermatology Perspective**  
*Luz S. Fonacier, MD FAAAAI*
- 10:00 Diagnosing Contact Dermatitis and Its Mimickers: An Allergy and Dermatology Perspective**  
*Marc J. Serota, MD*
- 10:20 Four Patient Presentations of Immunodeficiency: The Abnormal Newborn Screen, Recurrent Cellulitis and Abscesses, Recurrent Sinopulmonary Infections and Recurrent Sepsis**  
*Neema Izadi, MD MS*
- 10:40 Four Patient Presentations of Immunodeficiency: The Abnormal Newborn Screen, Recurrent Cellulitis and Abscesses, Recurrent Sinopulmonary Infections and Recurrent Sepsis**  
*Kathleen E. Sullivan, MD PhD FAAAAI*
- 11:00 Break**  
*All Participants*
- 11:15 Eosinophilic Gastrointestinal Disorders: Patient Management and When to Consider Biologics**  
*Javed Sheikh, MD FAAAAI*
- 11:35 Eosinophilic Gastrointestinal Disorders: Patient Management and When to Consider Biologics**  
*Marc E. Rothenberg, MD PhD FAAAAI*
- 11:55 How to Incorporate Wellness into Fellowship and the Workplace**  
*David R. Stukus, MD FAAAAI*
- 12:15 How to Incorporate Wellness into Fellowship and the Workplace**  
*Sunil K. Saini, MD FAAAAI*
- 12:20 Networking Lunch**  
*All Participants*

## 1012

### 2023 Chrysalis Project Program (Invitation Only)

- 7:30 am to 1:30 pm  
**Marriott Rivercenter, Third Floor, Grand I**  
 Credits: 0.0 CME/CE
- 7:30 Breakfast**  
*All Participants*
- 8:00 Welcome from Chrysalis Chairs**  
*Asriani M. Chiu, MD FAAAAI*
- 8:10 Welcome from the AAAAAI President**  
*David A. Khan, MD FAAAAI*
- 8:15 Immunodeficiency**  
*Kimberly A. Risma, MD PhD FAAAAI*
- 8:45 Atopic Dermatitis**  
*Mark Boguniewicz, MD FAAAAI*
- 9:15 Food Allergy**  
*Stacie M. Jones, MD FAAAAI*
- 9:45 Break**  
*All Participants*
- 9:55 Asthma**  
*Michelle L. Hernandez, MD FAAAAI*
- 10:25 Drug Allergy**  
*Kimberly G. Blumenthal, MD MSc FAAAAI*
- 10:55 Break**  
*All Participants*
- 11:05 Hot Topics Discussion Sessions: Immune Deficiency**  
*Joud Hajjar, MD*
- 11:05 Hot Topics Discussion Sessions: Immune Deficiency**  
*Jocelyn Farmer, MD PhD*
- 11:30 Hot Topics Discussion Sessions: Food Allergy**  
*Sarita U. Patil, MD FAAAAI*
- 11:30 Hot Topics Discussion Sessions: Food Allergy**  
*Edwin H. Kim, MD FAAAAI*
- 11:55 Hot Topics Discussion Sessions: Drug Allergy**  
*Kimberly G. Blumenthal, MD MSc FAAAAI*
- 11:55 Hot Topics Discussion Sessions: Drug Allergy**  
*Cosby A. Stone, MD MPH*
- 12:20 Chrysalis Project Participant Class Photo**  
*All Participants*
- 1:25 Lunch with FIT Mentors**  
*All Participants*

## Seminars


### 1020

#### Allied Health: The Itch You Can't Scratch: Treatment of Severe Atopic Dermatitis in the Pediatric Patient



- 7:00 to 8:00 am  
**Hyatt, Fourth Floor, Crockett A**  
 Pre-registration and ticket required. Fee: \$20.  
 Credits: 1.00 CME/CE  
*Kathryn M. Ruda Wessell, DO*  
*Jennifer S. Kim, MD FAAAAI*





## Seminars (continued)

- 1021 Allied Health: Food Allergy Prevention: A Discussion of Current Evidence, Recommendations, Challenges and the Future**    
 7:00 to 8:00 am  
**Hyatt, Fourth Floor, Crockett C**  
 Pre-registration and ticket required. Fee: \$20.  
 Credits: 1.00 CME/CE  
*Angela Tsuang, MD MSc*  
*Carina Venter, PhD RD*

## Courses




- 1110 Program Directors Assembly Boot Camp: Developing and Maintaining Excellence in Allergy/Immunology (A/I) Fellowship Training Programs**    
 7:30 am to 12:00 pm  
**Marriott Rivercenter, Third Floor, Grand K**  
 Credits: 3.50 CME/CE
- 7:30 Breakfast**  
*All Participants*
- 7:55 Welcome**  
*Amy M. Dowden, MD FAAAAI*  
*Javed Sheikh, MD FAAAAI*
- 8:00 Preparing to Launch: Individual Journey Mapping/Fellow Mentoring**  
*Paneez Khoury, MD MHSc FAAAAI*
- 8:45 Preparing to Launch Panel Discussion: Guidance for PDs on Career Path Counseling**  
**Academia Clinical**  
*Princess U. Ogbogu, MD FAAAAI*  
**Academia Research**  
*Mitchell H. Grayson, MD FAAAAI*  
**Industry**  
*Todd D. Green, MD FAAAAI*  
**Private Practice**  
*Frank S. Virant, MD FAAAAI*
- 9:45 Coffee Break and Networking**  
*All Participants*
- 10:15 How to Use Social Media and Institutional Web Presence to Highlight A/I Relating to Fellowship Programming and Beyond**  
*David R. Stukus, MD FAAAAI*
- 11:15 Highlighting Disparities in A/I and How to Implement This Awareness into Training**  
*Jessica L. Stern, MD MS*

- 1201 2023 Difficult Cases**    
 8:30 to 11:30 am  
**Convention Center, Ballroom Level, Stars at Night B4**  
 Credits: 3.00 CME/CE  
*Introduction; Question and Answer Facilitation*  
*Canting Guo, MD*

- 8:30 Allergic Rash Mimickers**  
*Dayne H. Voelker, MD*
- 8:30 Allergic Rash Mimickers**  
*Kelly M. Maples, MD FAAAAI*
- 9:00 Asthma-Like Disorders**  
*Thomas B. Casale, MD FAAAAI*
- 9:00 Asthma-Like Disorders**  
*Miranda L. Curtiss, MD PhD*
- 9:30 Primary Immunodeficiency**  
*Neema Izadi, MD MS*
- 9:30 Primary Immunodeficiency**  
*Kathleen E. Sullivan, MD PhD FAAAAI*
- 10:00 Oral Immunotherapy Conundrums**  
*Stephanie A. Leeds, MD FAAAAI E*
- 10:00 Oral Immunotherapy Conundrums**  
*Edwin H. Kim, MD FAAAAI*
- 10:30 Auto-inflammation**  
*Daniel L. Rosenberg, MD*
- 10:30 Auto-inflammation**  
*Hal M. Hoffman, MD*
- 11:00 COVID-19 Vaccine Reactions**  
*Elizabeth J. Phillips, MD FAAAAI*
- 11:00 COVID-19 Vaccine Reactions**  
*Kristine Vanijcharoenkarn, MD*
- 1202 The Evolving Allergy and Immunology Practice**    
 8:30 to 11:30 am  
**Convention Center, Meeting Room Level, Room 212A**  
 Pre-registration and ticket required. Fee: \$20.  
 Credits: 3.00 CME/CE
- 8:30 Welcome**  
*Christina E. Ciaccio, MD FAAAAI*
- 8:35 Billing and Coding Pearls**  
*Teresa Thompson, CPC CMSCS CCC*
- 9:00 Getting Started in Clinical Research**  
*Cheryl K. Bernstein, RN BSN CCRC*
- 9:25 Selling Your Practice: Private Equity, Hospital Groups, Junior Partners**  
*Weily Soong, MD FAAAAI*
- 9:50 Compounding in Your Office: USP 797**  
*Mohamed Yassin, MD FAAAAI*
- 10:15 Sterile Compounding Hands-on Stations**  
*Christina E. Ciaccio, MD FAAAAI*  
*Vivian Hernandez-Trujillo, MD FAAAAI*  
*Melinda M. Rathkopf, MD FAAAAI*

## Courses (continued)

<b>1203</b>	<b>From Bed to Benchside: Leveraging Molecular and Epidemiological Research to Understand Disease Mechanisms</b>   8:30 to 11:30 am Convention Center, Meeting Room Level, Room 225C Credits: 3.00 CME/CE
<b>8:30</b>	<b>Introduction</b> <i>Hong Ji, PhD</i>
<b>8:35</b>	<b>Bedside to Bench to Bedside: Historical Research Partnerships That Radically Changed Care of Patients in Allergy and Immunology</b> <i>Kathleen E. Sullivan, MD PhD FAAAAI</i>
<b>9:00</b>	<b>Pragmatic Considerations in Bench to Bedside Collaborations</b> <i>Melanie A. Ruffner, MD PhD</i>
<b>9:25</b>	<b>Genomic and Immunophenotyping Remarkable Patients: Opportunities to Learn New Biology and Develop Clinical Insights</b> <i>Sarah E. Henrickson, MD PhD FAAAAI</i>
<b>9:50</b>	<b>Power in Numbers: Epidemiological Insights From the Mechanisms of Progression of Atopic Dermatitis to Asthma in Children (MPAACH) MPAACH Disease Consortium</b> <i>Gurjit K. Khurana Hershey, MD PhD FAAAAI</i>
<b>10:15</b>	<b>Learning New Biology from Patient-Based Studies: The Eosinophilic Esophagitis Example</b> <i>Leah C. Kottyan, PhD</i>
<b>10:40</b>	<b>Building International Collaborations to Collect Patient Samples to Discover Rare Disease Etiology</b> <i>Jennifer M. M. Puck, MD</i>
<b>11:05</b>	<b>Question &amp; Answer Facilitation</b> <i>Alberta L. Wang, MD MS</i>
<b>1204</b>	<b>Meeting of the Omics: The Future of Discovery and Clinical Care in Allergy</b>   8:30 to 11:30 am Convention Center, Ballroom Level, Room 301A Credits: 3.00 CME/CE
<b>8:30</b>	<b>Introduction</b> <i>Jordan S. Orange, MD PhD FAAAAI</i>
<b>8:35</b>	<b>Diagnostic Genomics for the Clinical Allergist</b> <i>Ivan Chinn, MD</i>
<b>9:05</b>	<b>The Future of Discovery and Clinical Care in Allergy and Immunology</b> <i>Megan A. Cooper, MD PhD</i>
<b>9:35</b>	<b>Epigenetics in Asthma: Where Are We, Where Are We Going?</b> <i>Sunita Sharma</i>
<b>10:05</b>	<b>Microbiome and Transcriptomic Interactions in Allergic Disease</b> <i>Andrew L. Kau, MD PhD</i>
<b>10:40</b>	<b>Single-Cell Transcriptomics of Allergen-Specific T Cells in Allergy and Asthma</b> <i>Gregory Seumois, PhD</i>
<b>11:05</b>	<b>Question and Answer Facilitation</b> <i>Jordan S. Orange, MD PhD FAAAAI</i>

<b>1205</b>	<b>Novel Approaches and Improvements to Care Using Technology: Telemedicine, E-consults and Electronic Health Records (EHR) Optimization</b>   8:30 to 11:30 am Convention Center, Meeting Room Level, Room 217C Credits: 3.00 CME/CE
<b>8:30</b>	<b>Introduction</b> <i>S. Shahzad Mustafa, MD FAAAAI</i>
<b>8:35</b>	<b>Telemedicine in the Allergy/Immunology Office The COVID-19 Pandemic and Beyond</b> <i>Jay M. Portnoy, MD FAAAAI</i>
<b>8:55</b>	<b>Beyond Routine Follow Ups: Other Telemedicine Applications</b> <i>Allison C. Ramsey, MD FAAAAI</i>
<b>9:15</b>	<b>Expanding Access to Care through Telemedicine and E-consults</b> <i>Neelam A. Phadke, MD</i>
<b>9:35</b>	<b>Practical How-to Guide for Telemedicine and E-consults</b> <i>Tania Elliott, MD</i>
<b>9:40</b>	<b>Tele dermatology: Lessons for Allergy/Immunology</b> <i>Matthew S. Krantz, MD</i>
<b>9:55</b>	<b>The EHR Allergy Field: Current State and Proposed Improvements</b> <i>Eric M. Macy, MD FAAAAI</i>
<b>10:35</b>	<b>Panel Discussion Facilitation</b> <i>S. Shahzad Mustafa, MD FAAAAI</i>
<b>1206</b>	<b>Effects of Climate Change on Health: Practical Information and Strategies for Climate Change Communication</b>   8:30 to 11:30 am Convention Center, Meeting Room Level, Room 221C Credits: 3.00 CME/CE
<b>8:30</b>	<b>Introduction</b> <i>Harald E. Renz, MD FAAAAI</i>
<b>8:35</b>	<b>Defining the Drivers of Climate Change</b> <i>Allison J. Burbank, MD</i>
<b>9:05</b>	<b>Impact of Climate Change on Aerobiology</b> <i>Andrew C. Rorie, MD FAAAAI</i>
<b>9:35</b>	<b>Health Effects of Climate Change on Allergic Disease</b> <i>Jill A. Poole, MD FAAAAI</i>
<b>10:05</b>	<b>Racial and Ethnic Disparities in Climate Change and Health</b> <i>Susan E. Pacheco, MD</i>
<b>10:35</b>	<b>Climate Change Advocacy: How to Talk to the Media and Your Patients About Climate Change</b> <i>Karin A. Pacheco, MD MSPH FAAAAI</i>
<b>11:05</b>	<b>Question and Answer Facilitation</b> <i>Harald E. Renz, MD FAAAAI</i>

## Courses (continued)

### 1207 Oral Immunotherapy for Food Allergy: A Clinical Practice Course

8:30 to 11:30 am

Convention Center, Ballroom Level, Stars at Night B1

Credits: 3.00 CME/CE

#### 8:30 Introduction

Ian F. Slack, MD

#### 8:30 Oral Immunotherapy in Toddlers

Justin Schwartz, MD

#### 9:00 Oral Immunotherapy After Reaching Maintenance

Edwin H. Kim, MD FAAAAI

#### 9:25 Oral Immunotherapy in Combination with Biologics

Rima A. Rachid, MD FAAAAI

#### 9:50 Oral Immunotherapy Maintenance Doses for Different Foods

Brian Vickery, MD FAAAAI

#### 10:15 Oral Immunotherapy for the High Threshold Allergic Patient

Scott H. Sicherer, MD FAAAAI

#### 10:40 Oral Immunotherapy Dissemination and Implementation

Amal H. Assa'ad, MD FAAAAI

#### 11:05 Question and Answer Facilitation

Tara F. Carr, MD FAAAAI

### 1208 Quality Improvement, Adherence and Outcomes Projects from Start to Finish

8:30 to 11:30 am

Convention Center, Meeting Room Level, Room 216B

Pre-registration and ticket required. Fee: \$20.

Credits: 3.00 CME/CE

#### 8:30 Introduction

Kristin C. Sokol, MD MS MPH FAAAAI

#### 8:35 How to Define Quality Improvement

Joel P. Brooks, DO MPH

#### 8:55 Aims, Measures, and Outcomes: Designing a Useful Quality Improvement Project

Margaret Redmond, MD

#### 9:15 Examples of Quality Improvement Projects Initiated and Successfully Completed

S. Shahzad Mustafa, MD FAAAAI

#### 9:35 Expanding Quality Improvement Results: Publishing and Sharing with the Scientific Community and Stakeholders

Sindhura Bandi, MD FAAAAI

#### 9:55 Question & Answer Facilitation

Kristin C. Sokol, MD MS MPH FAAAAI

#### 10:15 Breakouts

All Participants

1209

### Cellular Players in Chronic Rhinosinusitis with Nasal Polyps and in NSAID-Exacerbated Respiratory Disease (N-ERD)

8:30 to 11:30 am

Convention Center, Ballroom Level, Room 304A

Credits: 3.00 CME/CE

#### 8:30 Introduction

Elina Jerschow, MD FAAAAI

#### 8:35 Invariant Natural Killer T (iNKT) Cells Drive Inflammatory Response in NSAID-Exacerbated Respiratory Disease (N-ERD)

Elina Jerschow, MD FAAAAI

#### 9:00 Degranulated Basophils Contribute to N-ERD Severity

Whitney W. Stevens, MD PhD FAAAAI

#### 9:25 Group 2 Innate Lymphoid Cells and Eicosanoids Receptor Expression in Patients with Nasal Polyps

Taylor A. Doherty, MD FAAAAI

#### 9:50 The Role of Granulocytes in N-ERD

Atsushi Kato, PhD

#### 10:15 Epithelial Cells and Remodeling in Nasal Polyposis

Nora A. Barrett, MD FAAAAI

#### 10:40 Mast Cell Proliferation in Airway Disease

Daniel F. Dwyer, PhD

#### 11:05 Panel Discussion Facilitation

Elina Jerschow, MD FAAAAI

1210

### Diagnosing and Managing Non-Respiratory Comorbidities in Asthma

8:30 to 11:30 am

Convention Center, Ballroom Level, Hemisfair C1

Credits: 3.00 CME/CE

#### 8:30 Introduction

Sharmilee M. Nyenhuis, MD FAAAAI

#### 8:35 Patients with Obesity and Asthma: Diagnostic Myths and Challenges for Management

Fernando Holguin, MD MPH

#### 9:25 Evaluating Laryngeal Pathologies in the Context of Asthma

Anju T. Peters, MD MSCI FAAAAI

#### 10:15 Confronting Mental Health in Patients with Asthma

Tamara Hubbard, LCPC

#### 11:05 Question and Answer Facilitation

Sharmilee M. Nyenhuis, MD FAAAAI

1211

### Microbiome as a Gateway to Prevention of Allergic Airway Disease

8:30 to 11:30 am

Convention Center, Ballroom Level, Room 302A

Credits: 3.00 CME/CE

#### 8:30 Introduction

Kirsten M. Kloepper, MD MS FAAAAI

#### 9:00 Environmental Microbes and Development of Allergic Disease

Erika Von Mutius, MD MSc

#### 9:25 Microbiome and the Lung-Gut Axis

Harald E. Renz, MD FAAAAI

#### 10:15 Modifiable Exposures in the Prenatal Period

Susan V. Lynch, PhD







#### 11:05 Question & Answer Facilitation













Kirsten M. Kloepper, MD MS FAAAAI

## Courses (continued)

- 1212 Allied Health Advanced Practice Course: Optimizing the Scope of Practice for the Allied Health Allergy Provider**  
 8:30 to 11:30 am  
**Convention Center, Meeting Room Level, Room 214A**  
 Credits: 3.00 CME/CE
- 8:30 Introduction**  
*Kim E. Mudd, RN MSN CCRP*
- 8:35 Laboratory Testing and Its Role in Primary Immune Deficiency Diseases (PIDDs) Diagnosis**  
*M. Elizabeth M. Younger, CRNP PhD*
- 9:05 Amoxicillin Challenges can Eliminate Drug Allergy Labels**  
*Timothy Chow, MD*
- 9:35 Identifying a Healthy Diet to Optimize Immune Health**  
*Marion E. Groetch, MS RDN*
- 10:05 Optimizing Care of Allergic Rhinitis with the Use of immunotherapy, Including Alternate Dosing Using Rush and Cluster Dosing Schedules**  
*Jeffrey Chambliss, MD*
- 10:35 Update on Treatment of Chronic Spontaneous Urticaria**  
*Karen S. Rance, DNP CPNP*
- 11:05 Question and Answer Facilitation**  
*Kim E. Mudd, RN MSN CCRP*

## Seminars

- 1501 Lymphoproliferation in the Allergy/Immunology (A/I) Clinic**    
 12:00 to 1:00 pm  
**Hyatt, Second Floor, Bowie B**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Lisa R. Forbes Satter, MD FAAAAI*  
*Jennifer W. Leiding, MD FAAAAI*
- 1502 The Bullseye on Prostaglandins in Targeting Allergic Diseases**    
 12:00 to 1:00 pm  
**Hyatt, Third Floor, Bonham B**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Joshua A. Boyce, MD FAAAAI*  
*Stokes Peebles, MD FAAAAI*
- 1503 Practical Approach to Penicillin Allergy Evaluation in Pregnant Women**    
 12:00 to 1:00 pm  
**Hyatt, Third Floor, Bonham C**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Anjeli P. Kalra, MD*  
*Maureen E. Bauer, MD FAAAAI*

- 1504 Assessing Infants and Toddlers with Feeding Difficulties at Risk for Eosinophilic Esophagitis**    
 12:00 to 1:00 pm  
**Hyatt, Third Floor, Bonham D**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Esther N. Prince, MD*  
*Brianne L. Schmidt, RD*
- 1505 Diagnosing Allergic Bronchopulmonary Aspergillosis (ABPA): What We Know and What We Don't**    
 12:00 to 1:00 pm  
**Hyatt, Third Floor, Bonham E**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Joana Vitte, MD PhD*  
*Miranda L. Curtiss, MD PhD*
- 1506 Systems Biology Approaches to Better Diagnose, Endotype and Treat Allergic Diseases**    
 12:00 to 1:00 pm  
**Hyatt, Third Floor, Travis A**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Matthew C. Altman, MD*  
*Brian D. Modena, MD MSc*
- 1507 Biomarkers for the Response to Allergen Immunotherapy**    
 12:00 to 1:00 pm  
**Hyatt, Third Floor, Travis C**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Mohamed H. Shamji, BSc MSc PhD FAAAAI*  
*Hanisah Sharif, PhD*
- 1508 To Patch or Not to Patch?**    
 12:00 to 1:00 pm  
**Hyatt, Third Floor, Presidio B**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Marcella R. Aquino, MD FAAAAI*  
*Ellen R. Sher, MD FAAAAI*
- 1509 Safety Considerations of Biologics in Allergic Disorders**    
 12:00 to 1:00 pm  
**Hyatt, Fourth Floor, Crockett A**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Jonathan Corren, MD*  
*John B. Hagan, MD FAAAAI*

## Seminars (continued)

### 1510 Allied Health: Updates on Atopic Dermatitis: Personalizing Care Through New Guidelines and Treatment Options

12:00 to 1:00 pm

Hyatt, Fourth Floor, Crockett C

Pre-registration and ticket required. Fee: \$20.

Credits: 1.00 CME/CE

Kelly M. Maples, MD FAAAAI

Pamela H. Steele, MSN CPNP AE-C

### 1511 Allied Health: I Have an Immunodeficiency - Can I...?



12:00 to 1:00 pm

Hyatt, Fourth Floor, Republic B

Pre-registration and ticket required. Fee: \$20.

Credits: 1.00 CME/CE

William R. Blouin, APRN

Kristin Epland, NP

## Symposium

### 1515 Allied Health: Advancements in Asthma Care Based on Our Understanding of Type 2 Inflammation and Phenotyping

12:00 to 1:15 pm

Convention Center, Meeting Room Level, Room 214A

Credits: 1.25 CME/CE

#### 12:00 Introduction

Karen L. Gregory, DNP APRN-BC RRT AE-C

#### 12:05 How Smart is Single Maintenance and Reliever Therapy (SMART)?

Jay M. Portnoy, MD FAAAAI

#### 12:25 The Role of Type 2 Inflammation and Phenotypes in Asthma

Torie L. Grant, MD

#### 1:05 Question & Answer Facilitation

Karen L. Gregory, DNP APRN-BC RRT AE-C

#### 12:45 Treatment of Uncontrolled Asthma with Biologics

Emily English, PNP

## Workshops

### 1520 Compounding, Prior Authorizations, Other Practice Challenges: How Office of Practice Management Can Help

12:00 to 1:15 pm

Convention Center, Meeting Room Level, Room 221C

Credits: 1.25 CME/CE

#### 12:00 Introduction

James H. Sussman, DO FAAAAI

#### 12:05 Update on Compounding Guidelines and Their Effect on Workflow

Mohamed S. Yassin, MD FAAAAI

#### 12:25 Federal and State Compounding Regulations

Emily L. Graham, MSHIM, RHIA, CCS-P

#### 12:45 AAAAI Action and Practical Strategies for Obtaining Prior

Authorizations for Optimal Patient Care

Stuart L. Abramson, MD PhD AE-C FAAAAI

#### 1:05 Question and Answer Facilitation

James H. Sussman, DO FAAAAI

### 1522 Beyond B Cells: The Changing Face of X-Linked Agammaglobulinemia (XLA)

12:00 to 1:15 pm

Convention Center, Meeting Room Level, Room 214C

Credits: 1.25 CME/CE

#### 12:00 Introduction

Vivian P. Hernandez-Trujillo, MD FAAAAI

#### 12:05 Update on XLA-United States Immunodeficiency Network (USIDNET) Registry Report

Ramsay L. Fuleihan, MD FAAAAI

#### 12:25 Late Onset Complications of XLA

Manish Butte, MD PhD

#### 12:45 Gene Therapy for XLA

David J. Rawlings, MD

#### 1:05 Panel Discussion Facilitation

Vivian P. Hernandez-Trujillo, MD FAAAAI

### 1523 JACI Year-in-Review Workshop

12:00 to 1:15 pm

Convention Center, Ballroom Level, Stars at Night B1

Credits: 1.25 CME/CE

#### 12:00 Introduction

Zuhair K. Ballas, MD FAAAAI

#### 12:05 Biologics in Allergy/Immunology

Leonard B. Bacharier, MD FAAAAI

#### 12:25 Inborn Errors of Immunity

Mark H. Kaplan, PhD FAAAAI

#### 12:45 Immune Skin Disorders

Johann E. Gudjonsson, MD PhD

#### 1:05 Question and Answer Facilitation

Zuhair K. Ballas, MD FAAAAI

### 1524 Fungus Among Us: Novel Insights into Fungal Airway Disease

12:00 to 1:15 pm

Convention Center, Ballroom Level, Room 301A

Credits: 1.25 CME/CE

#### 12:00 Introduction

Hirohito Kita, MD

#### 12:05 Candidalysin Promotes Th2 and Th17 Responses through Platelets

David B. Corry, MD

#### 12:25 Aspergillus Proteases Sensing by TRPV4 Induces Allergic Lung Inflammation

Darin L. Wiesner

#### 12:45 nMase2 Inhibition of Alternaria-Induced IL-33 and Exosome Release






Jennifer Alexander-Brett, MD PhD







#### 1:05 Question and Answer Facilitation

Hirohito Kita, MD






## Workshops (continued)

- 1525 Hot Topics in Pediatric Allergy and Immunology**  **LIVE**  
 12:00 to 1:15 pm  
**Convention Center, Ballroom Level, Stars at Night B4**  
 Credits: 1.25 CME/CE
- 12:00 Introduction**  
*Julie Wang, MD FAAAAI*
- 12:05 Hot Topics in Pediatric Food Allergy**  
*Christopher P. Parrish, MD FAAAAI*
- 12:25 Hot Topics in Pediatric Primary Immunodeficiency and Hereditary Angioedema**  
*Kathleen E. Sullivan, MD PhD FAAAAI*
- 12:45 Hot Topics in Pediatric Asthma**  
*Akilah A. Jefferson, MD MSc*
- 1:05 Question and Answer Facilitation**  
*Julie Wang, MD FAAAAI*
- 1526 Tackling Vaccine Hesitancy in Adults, Children and Special Populations**    
 12:00 to 1:15 pm  
**Convention Center, Ballroom Level, Stars at Night B3**  
 Credits: 1.25 CME/CE
- 12:00 Introduction**  
*Taylor A. Banks, MD*
- 12:05 Vaccine Hesitancy in Adult Patients**  
*Karla E. Adams, MD*
- 12:25 Vaccine Hesitancy in Pediatric Patients**  
*Joel P. Brooks, DO MPH*
- 12:45 Vaccine Hesitancy in Patients with Primary and Secondary Immunodeficiency**  
*Cosby A. Stone, MD MPH*
- 1:05 Question & Answer Facilitation**  
*Sara Anvari, MD MSc*
- 1527 Cannabis-Related Allergies: Approaches and Potential Management**    
 12:00 to 1:15 pm  
**Convention Center, Meeting Room Level, Room 225C**  
 Credits: 1.25 CME/CE
- 12:00 Introduction**  
*Joanna Zeiger, PhD MS*
- 12:05 Botany of Cannabis: Proposed Allergens and Links with Food Allergens**  
*Isabel J. Skypala, PhD RD*
- 12:25 Clinical- and Occupational-Relevant Manifestations of Cannabis Allergy**  
*Jonathan A. Bernstein, MD FAAAAI*
- 12:45 Current State and Future Directions of Diagnostic Approaches and Management of Cannabis Allergy**  
*Ajay P. Nayak, PhD FAAAAI*
- 1:05 Question and Answer Facilitation**  
*Joanna Zeiger, PhD MS*

- 1528 Irritants and Disruption of the Skin and Airway Epithelial Barrier: Models from the Workplace**    
 12:00 to 1:15 pm  
**Convention Center, Ballroom Level, Hemisfair C3**  
 Credits: 1.25 CME/CE
- 12:00 Introduction**  
*Taylor A. Doherty, MD FAAAAI*
- 12:05 Mechanisms and Consequences of Epithelial Cell Barrier Disruption**  
*Cezmi A. Akdis, MD FAAAAI*
- 12:25 Development of Irritant and Allergic Contact Dermatitis After Disruption of the Epithelial Barrier**  
*Susan Nedorost, MD*
- 12:45 The Development of Irritant and Immune Occupational Asthma**  
*Susan M. Tarlo, MBBS FAAAAI*
- 1:05 Question and Answer Facilitation**  
*Taylor A. Doherty, MD FAAAAI*
- 1529 Rapid Fire on Oral Immunotherapy (OIT): Five Foods, Five Allergists, Five Questions**   
 12:00 to 1:15 pm  
**Convention Center, Ballroom Level, Hemisfair C1**  
 Credits: 1.25 CME/CE
- 12:00** Thomas B. Casale, MD FAAAAI
- 12:00 Egg OIT**  
*Susan S. Xie, MD*
- 12:15 Milk OIT**  
*Roberto Berni Canani, MD PhD*
- 12:30 Sesame OIT**  
*Sandy Durrani, MD*
- 12:45 Peanut OIT**  
*Douglas P. Mack, MD*
- 1:00 Tree Nut OIT**  
*R. Sharon Chinthrajah, MD FAAAAI*
- 1530 Practical Applications to Address Health Disparities and Inequities in the Clinical Setting: A Hands-On, Problem-Based Learning (PBL) Workshop**     
 12:00 to 1:15 pm  
**Convention Center, Meeting Room Level, Room 205**  
 Pre-registration and ticket required. Fee: \$20.  
 Credits: 1.25 CME/CE
- 12:00 Introduction**  
*Chioma Udemgba, MD*
- 12:05 Small Group Case Discussion**  
*All Participants*
- 12:15 Content Expert Discussion**  
*Margee Louisias, MD MPH*
- 12:35 Content Expert Discussion**  
*Anita Roach*
- 12:55 Content Expert Discussion**  
*Maureen George, PhD RN AE-C*
- 1:05 Question & Answer Facilitation**  
*Jessica L. Stern, MD MS*



## Workshops (continued)

- 1531 Funding Opportunities for Your Allergy/Immunology Research Career**    
 12:00 to 1:15 pm  
**Convention Center, Ballroom Level, Room 302A**  
 Credits: 1.25 CME/CE
- 12:00 Introduction**  
*Fei Li Kuang, MD PhD*
- 12:05 NIAID Scientific Programmatic Direction**  
*Alkis Togias, MD FAAAAI*
- 12:25 Diversity Training Funding Opportunities at NIH and AAAAI Diversity Initiatives**  
*LeShawndra Price, PhD*
- 12:45 Funding Opportunities in Outcomes Research and Implementation Science**  
*Carla M. Davis, MD FAAAAI*
- 1:05 Question & Answer Facilitation**  
*Amaziah Coleman, MD*
- 1532 Bench to Bedside in Non-Allergic Rhinitis: The Pathophysiology Underlying Current and Novel Therapeutics for the Future**    
 12:00 to 1:15 pm  
**Convention Center, Meeting Room Level, Room 217C**  
 Credits: 1.25 CME/CE
- 12:00 Introduction**  
*David J. Reeder, MD*
- 12:05 Pathogenesis of Non-Allergic Rhinitis**  
*George N. Konstantinou, MD PhD MSc FAAAAI*
- 12:25 Current Treatment Options for Non-Allergic Rhinitis**  
*Anjeni Keswani, MD FAAAAI*
- 12:45 Novel Therapeutics and Targets for Drug Development in Non-Allergic Rhinitis**  
*Jonathan A. Bernstein, MD FAAAAI*
- 1:05 Question and Answer Facilitation**  
*David J. Reeder, MD*
- 1533 Allied Health: COVID-19 Isn't Going Away: So Now What?**   
 12:00 to 1:15 pm  
**Convention Center, Meeting Room Level, Room 213B**  
 Credits: 1.25 CME/CE
- 12:00 Introduction**  
*Katherine Dahlsgaard, PhD*
- 12:05 Post-Acute Sequelae (PASC) of COVID-19: From Mechanisms and Diagnosis to Treatment**  
*Mitchell H. Grayson, MD FAAAAI*
- 12:25 COVID-19: Lessons We Have Learned**  
*John Oppenheimer, MD FAAAAI*
- 12:45 The Pandemic Within the Pandemic: Racial and Ethnic Health Disparities**  
*Jodi A. Shroba, MSN APRN CPNP*
- 1:05 Question & Answer Facilitation**  
*Katherine Dahlsgaard, PhD*

## Poster Discussion Workshop

- 1534 Novel Insights into Type 2 Lymphocytes in Allergic Diseases**  
 12:00 to 1:15 pm  
**Convention Center, Meeting Room Level, Room 206B**  
 Credits: 1.25 CME/CE  
*Moderator: Patrick J. Brennan, MD PhD*
- 12:00 Poster Viewing**  
*All Participants*
- 12:40 Group 2 Innate Lymphoid Cells are Involved in Development of Antigen-Specific Th2 Cells by Providing GM-CSF and Activating Dendritic Cells.**  
*Jared Brooksby*
- 12:45 CFTR deficiency increases Th2 cytokine production and allergic airway inflammation in mice**  
*Daniel P. Cook, MD PhD*
- 12:50 Platelet Adherent Eosinophils Drive ILC2 Expansion**  
*Hiroaki Hayashi, MD PhD*
- 12:55 The Network of Epithelial Cells and ILC2s Involving Acetylcholine and Muscarinic Receptors Promote Type 2 Immune Responses to Inhaled Allergen**  
*Ryusuke Hayashi, MD*
- 1:00 ILC2 activity in infants induces stronger eosinophilic skin inflammation than in adult in an atopic dermatitis mouse model.**  
*Hiroki Sugiyama*
- 1:05 Question & Answer**  
*All Participants*

## Plenary

- 1601 Presidential Plenary: Paradigm Shifts in Drug Allergy**    
 1:45 to 3:15 pm  
**Convention Center, Lobby Level, Hall 2**  
 Credits: 1.50 CME/CE
- 1:45 Introduction**  
*David A. Khan, MD FAAAAI*
- 1:50 New Insights into the Immunopathology of Aspirin-Exacerbated Respiratory Disease (AERD)**  
*Tanya M. Laidlaw, MD FAAAAI*
- 2:15 Introduction**  
*David A. Khan, MD FAAAAI*
- 2:20 Advances in Diagnosis and Management of Severe Cutaneous Adverse Reaction (SCAR)**  
*Elizabeth J. Phillips, MD FAAAAI*
- 2:45 Introduction**  
*Tanya M. Laidlaw, MD FAAAAI*
- 2:50 Practice Changers from the Drug Allergy Parameter Update**  
*David A. Khan, MD FAAAAI*

## Friday Poster Session

3:15 to 4:15pm

**Convention Center, Lobby Level, Hall 2**

Credits: 0.0 CME/CE

Please refer to the 2023 AAAAI Annual Meeting Mobile App or [www.jacionline.org](http://www.jacionline.org) for abstract details.

**006-036 Anaphylaxis**

**037-065A Asthma Therapy**

**066-069 Asthma Diagnosis, Genotyping and Phenotyping**

**070-079 Clinical Immunology During the COVID-19 Pandemic**

**080-114 Food Immunotherapy: Outcome and Mechanism**

**115-139 Quality Improvement and Healthcare Disparities**

**140-148 Allergen Diagnostics, Rhinitis and Immunotherapy**

**149-164 Mast Cells and Mastocytosis**

**165-169 Allergens: From Structure to Biological Function**

**L01-L36 Late Breaking Poster Session**

**A-BV Friday Case Reports**

## Symposia

**1801 Updates and Controversies in Anaphylaxis**  **LIVE**

4:15 to 5:30 pm

**Convention Center, Ballroom Level, Stars at Night B4**

Credits: 1.25 CME/CE

**4:15 Introduction**

*Dana V. Wallace, MD FAAAAI*

**4:20 Anaphylaxis Controversies**

*Marcus Shaker, MD MS FAAAAI*

**4:40 Venom Anaphylaxis and Immunotherapy**

*Karla E. Adams, MD*

**5:00 Perioperative Anaphylaxis**

*Gerald W. Volcheck, MD FAAAAI*

**5:20 Question & Answer Facilitation**

*Vivian P. Hernandez-Trujillo, MD FAAAAI*

**1802 Ontogeny of the Immune System in Infancy: Pathway to Atopy** 

4:15 to 5:30 pm

**Convention Center, Meeting Room Level, Room 221C**

Credits: 1.25 CME/CE

**4:15 Introduction**

*Ashley L. Devonshire, MD MPH*

**4:20 Immune System Development from Birth to 1 Year**

*Petter Brodin, MD PhD*

**4:40 Early Life Imprinting of Intestinal Immune Tolerance**

*Chrysothemis Brown*

**5:00 Infant T Cell Responsiveness and Associations with Atopy**

*Donna L. Farber, PhD*

**5:20 Question & Answer Facilitation**

*Ashley L. Devonshire, MD MPH*

**1803 Educational and Quality Improvement Initiatives That Empower Generalists to Provide High Value Care** 

4:15 to 5:30 pm

**Convention Center, Ballroom Level, Room 301A**

Credits: 1.25 CME/CE

**4:15 Introduction**

*Brittany Esty, MD MPH*

**4:20 Removing Erroneous Drug Allergy Labels**

*Paige G. Wickner, MD MPH FAAAAI*

**4:40 Reducing Inappropriate Food Allergy Immunoglobulin E (IgE) Testing**

*Gerald B. Lee, MD FAAAAI*

**5:00 Improving Recognition of Primary Immunodeficiency**

*Sudhir Gupta, MD PhD MACP FAAAAI*

**5:20 Question & Answer Facilitation**

*Kristin C. Sokol, MD MS MPH FAAAAI*

**1804 Genomics, Sociomics and Psychology of Food Allergy**  **LIVE** 

4:15 to 5:30 pm

**Convention Center, Ballroom Level, Stars at Night B1**

Credits: 1.25 CME/CE

**4:15 Introduction**

*Theresa A. Bingemann, MD FAAAAI*

**4:20 Genomics in the Diagnosis of Food Allergy**

*Mimi L. Tang, MD PhD FAAAAI*

**4:40 Known Risks of Developing Food Allergy**

*Robert A. Wood, MD FAAAAI*

**5:00 Phenotyping the Psychological Impact of Food Allergy**

*Linda Herbert, PhD*


**5:20 Question & Answer Facilitation**


*Eileen Wang, MD MPH*

**5:00 Phenotyping the Psychological Impact of Food Allergy**


*Susan R. Fox, MMS, PA-C*

## Symposia (continued)


<b>1805</b>	<b>Incorporating Exercise into the Management of Asthma Across the Lifespan</b> 
	4:15 to 5:30 pm Convention Center, Ballroom Level, Room 302A Credits: 1.25 CME/CE
<b>4:15</b>	<b>Introduction</b> <i>Justin C. Greiwe, MD FAAAAI</i>
<b>4:20</b>	<b>Beneficial Effects of Exercise on Asthma Across the Lifespan</b> <i>Basil M. Kahwash, MD</i>
<b>4:40</b>	<b>Challenges to Exercise and Exercise Counseling in Children and Adolescents with Asthma</b> <i>Monica T. Kraft, MD</i>
<b>5:00</b>	<b>Challenges to Exercise and Exercise Counseling in Young and Older Adults with Asthma</b> <i>Sharmilee M. Nyenhuis, MD FAAAAI</i>
<b>5:20</b>	<b>Question &amp; Answer Facilitation</b> <i>Justin C. Greiwe, MD FAAAAI</i>

<b>1806</b>	<b>Expanding the Scope of Allergy/Immunology Practice: Genetics in the Diagnosis and Management of Immunologic Disease</b> 
	4:15 to 5:30 pm Convention Center, Ballroom Level, Hemisfair C1 Credits: 1.25 CME/CE
<b>4:15</b>	<b>Introduction</b> <i>Manish Butte, MD PhD</i>
<b>4:20</b>	<b>Genetics of Pediatric Immune-Mediated Diseases and Human Immunity</b> <i>Megan A. Cooper, MD PhD</i>
<b>4:40</b>	<b>Genetics of Common Variable Immunodeficiency</b> <i>Paul J. Maglione, MD PhD</i>
<b>5:00</b>	<b>Somatic Mutations, Reversion and Disorders of Immune Dysregulation</b> <i>Daniel L. Kastner, MD</i>
<b>5:20</b>	<b>Question &amp; Answer Facilitation</b> <i>Manish Butte, MD PhD</i>

<b>1807</b>	<b>Gut Immune Dysregulation</b>  
	4:15 to 5:30 pm Convention Center, Lobby Level, Hall 2 Credits: 1.25 CME/CE
<b>4:15</b>	<b>Introduction</b> <i>Jessica Galant-Swofford, MD</i>
<b>4:20</b>	<b>Mucosal Immunity and Implications for the Allergist/Immunologist</b> <i>Scott B. Snapper, MD PhD</i>
<b>4:40</b>	<b>Small Intestinal Immunopathology and GI-Associated Antibody Formation in Hereditary Alpha-Trypsinemia</b> <i>Jonathan Lyons, MD</i>
<b>5:00</b>	<b>X-Linked ELF4 Deficiency as a Cause of Mucosal Inflammation</b> <i>Carrie L. Lucas, PhD</i>
<b>5:20</b>	<b>Question &amp; Answer Facilitation</b> <i>Jessica Galant-Swofford, MD</i>

<b>1808</b>	<b>Interplay of the Microbiome, Viruses, Allergens and Biologics</b> 
	4:15 to 5:30 pm Convention Center, Ballroom Level, Room 304A Credits: 1.25 CME/CE
<b>4:15</b>	<b>Introduction</b> <i>Matthew C. Altman, MD</i>
<b>4:20</b>	<b>Role of the Microbiome on the Development of Allergic Respiratory Diseases in Children</b> <i>Kirsten M. Kloepper, MD MS FAAAAI</i>
<b>4:40</b>	<b>Viral-Bacterial-Allergen Interactions at the Respiratory Mucosa</b> <i>Lyndsey M. Muehling, PhD</i>
<b>5:00</b>	<b>The Impact of Type 2 Biologic Therapies on Viral-Induced Asthma Exacerbations and Anti-Viral Immunity</b> <i>Rene Lutter, PhD</i>
<b>5:20</b>	<b>Question &amp; Answer Facilitation</b> <i>Matthew C. Altman, MD</i>

<b>1809</b>	<b>Early Life Environmental Exposures Regulate Host Allergic Immune Responses: Lessons Learned from the Asthma and Allergic Diseases Cooperative Research Centers (AADCRC) Birth Cohorts</b> 
	4:15 to 5:30 pm Convention Center, Ballroom Level, Hemisfair C3 Credits: 1.25 CME/CE
<b>4:15</b>	<b>Introduction</b> <i>Alkis Togias, MD FAAAAI</i>
<b>4:20</b>	<b>Exposure to Pollution and Childhood Asthma: Lessons from the Mechanisms of Progression of AD to Asthma in Children (MPAACH) Early Life Cohort</b> <i>Gurjit K. Khurana Hershey, MD PhD FAAAAI</i>
<b>4:40</b>	<b>Early Life Viral Infection Contributes to Long Term Lung Health</b> <i>Christian Rosas-Salazar, MD</i>
<b>5:00</b>	<b>Effects of the Farming Environment on Immune Development and Childhood Respiratory Illnesses</b> <i>James E. Gern, MD FAAAAI</i>
<b>5:20</b>	<b>Question &amp; Answer Facilitation</b> <i>Alkis Togias, MD FAAAAI</i>

<b>1810</b>	<b>Allied Health Plenary: Living Past the Pandemic: Applying What We Learned During COVID-19 to Optimize Patient Outcomes</b> 
	4:15 to 5:30 pm Convention Center, Meeting Room Level, Room 214C Credits: 1.25 CME/CE
<b>4:15</b>	<b>Introduction</b> <i>Jodi A. Shroba, MSN APRN CPNP</i>
<b>4:20</b>	<b>Impact of Racial and Ethnic Health Disparities on Allergy/Immunology Outcomes</b> <i>Carla M. Davis, MD FAAAAI</i>
<b>4:40</b>	<b>Using Telehealth, Digital Monitoring and Social Media in Allergy/Immunology Practice</b> <i>David R. Stukus, MD FAAAAI</i>
<b>5:00</b>	<b>Treating the Entire Person: Assessing Allergy/Immunology Related Mental Health Concerns</b> <i>Tamara Hubbard, LCPC</i>
<b>5:20</b>	<b>Question &amp; Answer Facilitation</b> <i>Jodi A. Shroba, MSN APRN CPNP</i>

# 2023

**AAAAI** American Academy of  
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## A New Horizon of Atopic Dermatitis Therapy



*Patients with AD struggle to manage this chronic condition and some treatments can cause new problems.  
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# Saturday At-A-Glance

6:00 AM					
7:00 AM					
8:00 AM			<b>Seminars (Hyatt)</b> 7:00 - 8:00 am	<b>Allied Health Workshops</b> 6:45 - 8:00 am	<b>Allied Health Seminar</b> 7:00 - 8:00 am
9:00 AM					
10:00 AM					
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM					
5:00 PM					
6:00 PM					

Registration 6:30 am - 5:00 pm

Poster Hall 7:00 am - 6:00 pm

Exhibit Hall 9:45 am - 3:15 pm

Training Stations  
12:00 - 2:00 pm

**Seminars (Hyatt)**  
7:00 - 8:00 am

**Allied Health Workshops**  
6:45 - 8:00 am

**Allied Health Seminar**  
7:00 - 8:00 am

**Plenary**  
8:15 - 9:45 am

**Poster Presentations & Case  
Study Posters**  
9:45 - 10:45 am

**Symposia**  
10:45 am - 12:00 pm

**Allied Health Symposia**  
10:45 am - 12:00 pm

**Allied Health Workshops**  
10:45 am - 12:00 pm

**Seminars (Hyatt)  
& Pro/Con Debates**  
12:30 - 1:30 pm

**Symposia & Interesting Case  
Workshop**  
12:30 - 1:45 pm

**Allied Health Business Meeting  
& Oral Abstract Session**  
12:15 - 1:45 pm

**Oral Abstracts**  
2:00 - 3:15 pm



**Allied Health Symposia**  
2:00 - 3:15 pm

**Keynote**  
3:30 - 4:30 pm









**Workshops**  
4:45 - 6:00 pm











Saturday, February 25

## Workshop







- 2021 Allied Health: Difficult Cases: Are You Ready for the Challenge?**    
 6:45 to 8:00 am  
**Convention Center, Meeting Room Level, Room 213B**  
 Credits: 1.25 CME/CE
- 6:45 Introduction**  
*Elisa C. Thompson, NP*
- 6:50 The Esoteric Eosinophil**  
*Gregory M. Metz, MD FAAAAI*
- 7:10 Challenges of Asthma in Obesity**  
*Karen L. Gregory, DNP APRN-BC RRT AE-C*
- 7:30 The Mystery Case**  
*Marcia Rose Winston, MSN CPNP AE-C*
- 7:50 Question & Answer Facilitation**  
*Elisa C. Thompson, NP*

## Seminars



- 2001 Perioperative Anaphylaxis**    
 7:00 to 8:00 am  
**Hyatt, Second Floor, Bowie B**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Gerald W. Volcheck, MD FAAAAI*  
*Alexei Gonzalez-Estrada, MD*
- 2002 Asthma Digital Health Tools and Opportunities for Artificial Intelligence-Based Risk Prediction**    
 7:00 to 8:00 am  
**Hyatt, Third Floor, Bonham B**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Sunit P. Jariwala, MD FAAAAI*  
*Nick L. Rider, DO FAAAAI*
- 2003 Optimal Management of Asthma in Older Adults**    
 7:00 to 8:00 am  
**Hyatt, Third Floor, Bonham C**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Alan P. Baptist, MD MPH FAAAAI*  
*Paula J. Busse, MD FAAAAI*
- 2005 Dermatology for the Allergist**    
 7:00 to 8:00 am  
**Hyatt, Third Floor, Bonham E**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Caroline Nelson, MD*  
*Robert G. Micheletti, MD*

- 2006 Drug Allergy Worst Case Scenarios**    
 7:00 to 8:00 am  
**Hyatt, Third Floor, Travis A**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Katherine N. Cahill, MD FAAAAI*  
*Roland Solensky, MD FAAAAI*
- 2007 Can a Healthy Gut Improve Allergic Diseases?**    
 7:00 to 8:00 am  
**Hyatt, Third Floor, Travis C**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Carina Venter, PhD RD*  
*Derrick Samuelson*
- 2008 Guiding Subsequent Food Introductions After a Diagnosis of Food Protein-Induced Enterocolitis Syndrome (FPIES)**    
 7:00 to 8:00 am  
**Hyatt, Third Floor, Presidio B**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Jacob D. Kattan, MD FAAAAI*  
*Lisa M. Bartrick, MD*
- 2009 Intralymphatic Immunotherapy (ILIT): The Future of Allergen Immunotherapy is Here: A Global Perspective**    
 7:00 to 8:00 am  
**Hyatt, Fourth Floor, Crockett A**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Hans Jurgen Hoffmann, MD*  
*Amber M. Patterson, MD FAAAAI*
- 2010 Structural Cells Support the Asthma Phenotype: Lessons Learned from the Asthma and Allergic Diseases Cooperative Research Centers (AACRC)**    
 7:00 to 8:00 am  
**Hyatt, Fourth Floor, Crockett C**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Michael Croft, PhD*  
*David H. Broide, MB ChB FAAAAI*

## Seminars (continued)

- 2011 Antibiotic Prophylaxis and the Importance of Drug Allergy Delabeling in Primary Immunodeficiency (PID) Patients**    
 7:00 to 8:00 am  
**Hyatt, Fourth Floor, Republic B**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Jacqueline D. Squire, MD*  
*Jenna R. Bergerson, MD MPH*
- 2012 Allied Health: Oral Immunotherapy: Not One Size Fits All**    
 7:00 to 8:00 am  
**Convention Center, Meeting Room Level, Room 212B**  
 Pre-registration and ticket required. Fee: \$20.  
 Credits: 1.00 CME/CE  
*Jaime E. Ross, RN MSN*  
*Terri Gagen-Hursey, NP*
- 2013 Allied Health: A Multidisciplinary Approach to Patients with Severe Atopic Dermatitis**    
 7:00 to 8:00 am  
**Convention Center, Meeting Room Level, Room 212A**  
 Pre-registration and ticket required. Fee: \$20.  
 Credits: 1.00 CME/CE  
*Marc J. Serota, MD*  
*Megan Ott Lewis, MSN CRNP*

## Plenary

- 2101 Impact of Climate Change and Environmental Hazards on Allergic Disease**    
 8:15 to 9:45 am  
**Convention Center, Lobby Level, Hall 2**  
 Credits: 1.50 CME/CE
- 8:15 Introduction**  
*Cem Akin, MD PhD FAAAAI*
- 8:20 Urban Chemical Exposures and Epigenetics of Allergic Disease**  
*Rachel L. Miller, MD FAAAAI*
- 8:45 Introduction**  
*Cem Akin, MD PhD FAAAAI*
- 8:50 Climate Change, Wildfire Smoke Exposure and Immune Dysregulation in Asthma**  
*Lisa A. Miller, PhD*
- 9:15 Introduction**  
*Cem Akin, MD PhD FAAAAI*
- 9:20 Environmental Factors in Skin Barrier Dysfunction**  
*Cezmi A. Akdis, MD FAAAAI*

## Saturday Poster Session

9:45 to 10:45 am  
**Convention Center, Lobby Level, Hall 2**  
 Credits: 0.0 CME/CE  
 Please refer to the 2023 AAAAI Annual Meeting Mobile App or [www.jacionline.org](http://www.jacionline.org) for abstract details.

- 001-005 Novel Insights into Type 2 Lymphocytes in Allergic Diseases**
- 170-204 Drug Allergy**
- 205-219 Asthma Pathogenesis and Inflammation**
- 220-240 Asthma Epidemiology, Intervention and Public Health**
- 241-254 Potpourri of Basic and Clinical Immunology**
- 255-267 Airborne Allergens**
- 268-304 Eosinophilic Gastrointestinal Disorder (EGID), Food Protein-Induced Enterocolitis Syndrome (FPIES) and Alpha-Gal**
- 305-326 Quality of Life, Adherence, Health Policy and Education**
- 327-337 Novel Diagnostic Modalities and Treatments for Allergic Rhinoconjunctivitis and Chronic Sinusitis**
- 338-347 Eosinophil-Driven Diseases**
- L37-L63 Late Breaking Poster Session**
- BW-D0 Saturday Case Reports**

## Symposia

- 2301 World Allergy Forum: New Treatments for Difficult to Treat Inflammatory Diseases: Biologics and Small Molecules**    
 10:45 am to 12:00 pm  
**Convention Center, Ballroom Level, Stars at Night B1**  
 Credits: 1.25 CME/CE
- 10:45 Introduction**  
*Bryan L. Martin, DO FAAAAI*
- 10:50 What Have We Learned About Biologics?**  
*Rima A. Rachid, MD FAAAAI*
- 11:10 What We Are Learning About Janus Kinase (JAK) inhibitors for Atopic Dermatitis**  
*José Antonio Ortega Martell, MD*
- 11:30 Biomarkers and Biologics : The Promise for the Future**  
*Mubeccel Akdis, MD PhD*
- 11:50 Question & Answer Facilitation**  
*David A. Khan, MD FAAAAI*

## Symposia (continued)

- 2302** **Biologics in Severe Asthma: What Ones for Which Patients?** ▼  
 10:45 am to 12:00 pm  
**Convention Center, Ballroom Level, Stars at Night B4**  
 Credits: 1.25 CME/CE
- 10:45** **Introduction**  
*Meera R. Gupta, MD FAAAAI*
- 10:50** **The Ideal Severe Asthma Patient for IgE-Targeting Biologics**  
*Nicola A. Hanania, MD MS*
- 11:10** **The Ideal Severe Asthma Patient for IL-5 Targeting Biologics**  
*Michael E. Wechsler, MD*
- 11:30** **The Ideal Severe Asthma Patient for IL-4/IL-13 Targeting Biologics and Anti-TSLP Biologics**  
*Mario Castro, MD MPH*
- 11:50** **Question & Answer Facilitation**  
*Meera R. Gupta, MD FAAAAI*

- 2303** **Hot New Defects in Clinical Immunology** ▼  
 10:45 am to 12:00 pm  
**Convention Center, Ballroom Level, Hemisfair C1**  
 Credits: 1.25 CME/CE
- 10:45** **Introduction**  
*Kelli W. Williams, MD MPH FAAAAI*
- 10:50** **What's New in the Genetics of Common Variable Immunodeficiency (CVID)/Antibody Defects?**  
*Monica G. Lawrence, MD FAAAAI*
- 11:10** **Hot New Monogenic Combined Immunodeficiency Disorders**  
*Michael Keller, MD*
- 11:30** **The Genetics of Autoinflammatory Disorders**  
*Lisa R. Forbes Satter, MD FAAAAI*
- 11:50** **Question & Answer Facilitation**  
*Kelli W. Williams, MD MPH FAAAAI*

- 2304** **The Skin-ny on the Skin Microbiota** ▼  
 10:45 am to 12:00 pm  
**Convention Center, Meeting Room Level, Room 221C**  
 Credits: 1.25 CME/CE
- 10:45** **Introduction**  
*Andrew L. Kau, MD PhD*
- 10:50** **Antibiotic Exposures Alter the Skin Microbiota**  
*Heidi Kong, MD MHSc*
- 11:10** **Topical Probiotics for the Treatment of Eczema**  
*Richard Gallo, MD PhD*
- 11:30** **Establishment of the Skin Microbiome**  
*Jennifer Schoch, MD*
- 11:50** **Question & Answer Facilitation**  
*Andrew L. Kau, MD PhD*


- 2305** **Allergy to COVID-19 Vaccines and COVID-19 Therapeutics** ▼  
 10:45 am to 12:00 pm  
**Convention Center, Ballroom Level, Hemisfair C3**  
 Credits: 1.25 CME/CE
- 10:45** **Introduction**  
*Kimberly A. Risma, MD PhD FAAAAI*
- 10:50** **Immune-Mediated Reactions to COVID-19 Vaccines: Epidemiology, Pathophysiology and Phenotypes**  
*Cosby A. Stone, MD MPH*
- 11:10** **COVID-19 Vaccine Reaction Management**  
*Ana Maria M. Copaescu, MD*
- 11:30** **Beyond Vaccines: Adverse Reactions to COVID-19 Therapeutics**  
*David I. Hong, MD FAAAAI*
- 11:50** **Question & Answer Facilitation**  
*Kimberly A. Risma, MD PhD FAAAAI*

- 2306** **Emerging Diagnostic and Monitoring Approaches in Eosinophilic Gastrointestinal Diseases (EGID)** ▼ **LIVE**  
 10:45 am to 12:00 pm  
**Convention Center, Lobby Level, Hall 2**  
 Credits: 1.25 CME/CE
- 10:45** **Introduction**  
*Melanie A. Ruffner, MD PhD*
- 10:50** **Treatments of Eosinophilic Esophagitis (EoE): Breakthrough in Biologics**  
*Evan S. Dellon, MD*
- 11:10** **Blood and Urine Biomarkers of Eosinophilic Gastrointestinal Disorders**  
*Justin Schwartz, MD*
- 11:30** **Severity of Eosinophilic Esophagitis (EoE)**  
*Seema S. Aceves, MD PhD FAAAAI*
- 11:50** **Question & Answer Facilitation**  
*Melanie A. Ruffner, MD PhD*

- 2307** **Immunoglobulin E Explodes!: Lessons Learned from the Asthma and Allergic Diseases Cooperative Research Centers (AADCRCs)** ▼  
 10:45 am to 12:00 pm  
**Convention Center, Ballroom Level, Room 304A**  
 Credits: 1.25 CME/CE
- 10:45** **Introduction**  
*Cecilia Berin, PhD*
- 10:50** **Tfh in IgE Development**  
*Stephanie C. Eisenbarth, MD PhD*
- 11:10** **CD23+IgG Memory B Cells Are Associated with Allergic Diseases**  
*Maria Curotto de Lafaille, PhD*
- 11:30** **Human IgE mAb Structure-Based Design of Immunotherapeutics to Peanut**  
*Scott A. Smith, MD PhD*
- 11:50** **Question & Answer Facilitation**  
*Cecilia Berin, PhD*



## Symposia (continued)

- 2308 Allied Health: Beyond the Diagnosis: Other Aspects of Living with a Food Allergy**   
 10:45 am to 12:00 pm  
**Convention Center, Meeting Room Level, Room 214C**  
 Credits: 1.25 CME/CE
- 10:45 Introduction**  
*Megan O. Lewis, MSN CRNP*
- 10:50 Allergen Safe Foods Can Be Expensive: How to Assess for Food Insecurity**  
*Jodi A. Shroba, MSN APRN CPNP*
- 11:10 Food Allergies Can Be Scary When Eating Outside of the Home**  
*Alice Hoyt, MD*
- 11:30 How to Navigate Stages of Life with Food Allergies**  
*Maria A. Crain, RN MA CPNP*
- 11:50 Question & Answer Facilitation**  
*Megan Ott Lewis, MSN CRNP*


## Workshops

- 2309 Allied Health: Enhancing Asthma and Allergic Disease Care Adherence with a Psychosocial Assessment of Barriers: One Case Viewed Through Three Lenses**    
 10:45 am to 12:00 pm  
**Convention Center, Meeting Room Level, Room 213B**  
 Pre-registration and ticket required. Fee: \$20.  
 Credits: 1.25 CME/CE
- 10:45 Introduction**  
*Bruce J. Lanser, MD MPH FAAAAI*
- 10:50 Allied Health: Enhancing Asthma and Allergic Disease Care Adherence with a Psychosocial Assessment of Barriers: One Case Viewed through Three Lenses**  
*Jennifer M. Darr, MSW LCSW*  
*Tamara Hubbard, LCPC*  
*Melissa T. Korenblat-Hanin, ACSW LCSW*
- 11:50 Question & Answer Facilitation**  
*Bruce J. Lanser, MD MPH FAAAAI*
- 2310 Allied Health: Beyond the Ingredient List: Nuances of Food Product Labeling**    
 10:45 am to 12:00 pm  
**Convention Center, Meeting Room Level, Room 214A**  
 Credits: 1.25 CME/CE
- 10:45 Introduction**  
*Joseph L. Baumert, PhD*
- 10:50 Plant Based Milks: Are They Apples to Apples?**  
*Raquel Z. Durban, MS RD LDN*
- 11:10 How Cautious Is Precautionary Labeling?**  
*Jennifer Gerdtz*
- 11:30 Demystifying Front of Package Labeling: Helpful or Misleading for Consumers with Food Allergy?**  
*Jamie L. Kabourek, MS RD*
- 11:50 Question & Answer Facilitation**  
*Robyn M. Morrisette, PA-C*



## Training Stations

- 2401 Patch Testing: Basics and Beyond**  
 12:00 to 2:00 pm  
**Convention Center, Lobby Level, Hall 2**  
 Credits: 0.25 CME/CE  
*Marcella R. Aquino, MD FAAAAI*  
*Ellen R. Sher, MD FAAAAI*  
*Luz S. Fonacier, MD FAAAAI*  
*Marc J. Serota, MD*  
*Karin A. Pacheco, MD MSPH FAAAAI*  
*Jacqueline A. Ross, MD*
- 2402 Current and Emerging Digital Technologies in Asthma**  
 12:00 to 2:00 pm  
**Convention Center, Lobby Level, Hall 2**  
 Credits: 0.25 CME/CE  
*Sharmilee M. Nyenhuis, MD FAAAAI*  
*Thanai Pongdee, MD FAAAAI*  
*Margaret Kuder, MD*  
*Marc L. Rubin, BScPharm*  
*Carolyn Sogla, RN*  
*William C. Anderson, MD FAAAAI*  
*Sunit P. Jariwala, MD FAAAAI*  
*Jonathan S. Tam, MD FAAAAI*  
*Sujani S. Kakumanu, MD FAAAAI*  
*Mitchell Pittlick, MD*

## Course

- 2405 Career Paths in Allergy and Immunology**    
 12:00 to 1:45 pm  
**Convention Center, Meeting Room Level, Room 217C**  
 Credits: 1.00 CME/CE
- 12:00 Lunch**  
*All Participants*
- 12:15 Welcome and Introduction**  
*Rebecca Scherzer, MD FAAAAI*
- 12:25 Academia: Clinical and Question/Answer**  
*Princess U. Ogbogu, MD FAAAAI*
- 12:30 Academia: Clinical and Question/Answer**  
*Kathleen E. Sullivan, MD PhD FAAAAI*
- 12:35 Academia: Research and Question/Answer**  
*Nora A. Barrett, MD FAAAAI*
- 12:40 Academia: Research and Question/Answer**  
*Mitchell H. Grayson, MD FAAAAI*
- 12:45 Industry and Question/Answer**  
*Michael Howell, PhD*
- 12:50 Industry and Question/Answer**  
*Dorothy S. Cheung, MD FAAAAI*
- 12:55 Government and Question/Answer**  
*Melody C. Carter, MD FAAAAI*
- 1:00 Government and Question/Answer**  
*Taylor A. Banks, MD*
- 1:05 Private Practice and Question/Answer**  
*Maeve E. O'Connor, MD FAAAAI*
- 1:10 Private Practice and Question/Answer**  
*Weily Soong, MD FAAAAI*
- 1:15 Open Question and Answer Session**  
*All Participants*
- 1:40 Summary**  
*Rebecca Scherzer, MD FAAAAI*

## Oral Abstract Session





- 2411 Allied Health Professional Assembly Business Meeting and Oral Abstract Session**    
 12:15 to 1:45 pm  
**Convention Center, Meeting Room Level, Room 214C**  
 Credits: 1.25 CME/CE  
*Moderator: Maria A. Crain, RN MA CPNP*
- 12:15 Business Meeting**
- 12:25 Asthma Symptom Action Plan (ASAP): Assessing the Need for, Creating and Implementing a Standardized Form for San Diego County Schools**  
*Bruce D. Ball, Jr*
- 12:35 Caregiver Perception of Risk and Auto-Injector Carriage Rates in Multi-Allergic Compared to Mono-Allergic Children: A Long-Term Follow-Up Survey**  
*Holly H. Barber, NP CPNP*
- 12:45 Persistent Penicillin Allergy Label in Pharmacies after Penicillin Allergy De-labeling**  
*Althea Marie Diaz, MD*
- 12:55 Patient Characteristics Associated with Adequacy of Inhaler Technique in a Severe Asthma Cohort in the Bronx**  
*Adam Haines, MD*
- 1:05 Pediatric Patient Participation in Food Allergy Encounters: Provider Practices, Perspectives, Barriers, and Facilitators**  
*Sara E. Voorhees, PhD*
- 1:15 The Mystery of Mulberry**  
*James J. Anderson, MLT*
- 1:25 Baked Egg Oral Food Challenges: Modifying Decision Points for Success**  
*Emily English, RN CPNP*
- 1:35 Racial Disparities in Burden of Comorbid Asthma and Eczema**  
*Emily Croce, NP*

## Seminars


- 2501 Translating Asthma Research into Clinical Practice: Leveraging Quality Improvement and Implementation Science**    
 12:30 to 1:30 pm  
**Hyatt, Second Floor, Bowie B**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Stanley J. Szefler, MD FAAAAI*  
*Jessica L. Stern, MD MS*
- 2502 Practical Approach Towards Developing a Delayed Skin Testing Program in Your Clinic**    
 12:30 to 1:30 pm  
**Hyatt, Third Floor, Bonham B**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Matthew S. Krantz, MD*  
*Rebecca Saff, MD PhD FAAAAI*

## Seminars (continued)



- 2503** **How to Take an Effective, Five-Minute Environmental and/or Occupational History**    
 12:30 to 1:30 pm  
**Hyatt, Third Floor, Bonham C**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*David I. Bernstein, MD FAAAAI*  
*Jonathan A. Bernstein, MD FAAAAI*
- 2505** **How DO You “Milk” a Coconut!? Practical Advice for Discussing and Selecting Appropriate Plant-Based Milk Alternatives for Milk-Allergic Children**    
 12:30 to 1:30 pm  
**Hyatt, Third Floor, Bonham E**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Wendy Elverson, RD LDN*  
*Raquel Z. Durban, MS RD LDN*
- 2506** **Understanding Manufacturing and Supply Disruptions for Venom and Aeroallergen Extracts**    
 12:30 to 1:30 pm  
**Hyatt, Third Floor, Travis A**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*David Golden, MD FAAAAI*  
*Punita Ponda, MD FAAAAI*
- 2507** **Practical Approach for Evaluating and Managing Patients with Hypereosinophilia**    
 12:30 to 1:30 pm  
**Hyatt, Third Floor, Travis C**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Fei Li Kuang, MD PhD*  
*Amy Klion, MD*
- 2508** **If I Had a Hammer: Targeting Epithelial Alarmins**    
 12:30 to 1:30 pm  
**Hyatt, Third Floor, Presidio B**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Hirohito Kita, MD*  
*Ayobami Akenroye, MD MPH*
- 2509** **Inside the Black Box: Tools to Quantify Altered Immune Function in the Inborn Error of Immunity Patient**    
 12:30 to 1:30 pm  
**Hyatt, Fourth Floor, Crockett A**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Jocelyn Farmer, MD PhD*  
*Sarah E. Henrickson, MD PhD FAAAAI*  
*Elena Hsieh, MD*

- 2510** **Diagnostic and Treatment Guidelines for Severe Combined Immunodeficiency (SCID) and Related Disorders**    
 12:30 to 1:30 pm  
**Hyatt, Fourth Floor, Crockett C**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Jennifer Heimall, MD FAAAAI*  
*Morna J. Dorsey, MD MMSc FAAAAI*
- 2511** **Challenging Cases of Eosinophilic Esophagitis: Bring Your Own Case**    
 12:30 to 1:30 pm  
**Hyatt, Fourth Floor, Republic B**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Antonella Cianferoni, MD PhD FAAAAI*  
*Mark Holbreich, MD FAAAAI*


## Symposia

- 2521** **Beyond Learning Early About Peanut Allergy (LEAP): National Institute of Allergy and Infectious Diseases (NIAID)-Supported Studies in Peanut Allergy Prevention**   
 12:30 to 1:45 pm  
**Convention Center, Ballroom Level, Stars at Night B1**  
 Credits: 1.25 CME/CE
- 12:30** **Introduction**  
*Lisa M. Wheatley, MD MPH*
- 12:35** **Early Peanut Introduction: Translation to Clinical Practice**  
*Corinne Keet, MD MS PhD*
- 12:55** **Introduction**  
*Lisa M. Wheatley, MD MPH*
- 1:00** **Training and Guideline Decision Support: Targeting Pediatricians**  
*Ruchi S. Gupta, MD MPH*
- 1:20** **Introduction**  
*Lisa M. Wheatley, MD MPH*
- 1:25** **LEAP Participants: Living with Ad Libitum Peanut Consumption**  
*Gideon Lack, MD*



## Symposia (continued)


- 2522 National Institute of Environmental Health Sciences (NIEHS): Exposure: Microbiome Interface in the Pathogenesis of Inflammatory Diseases**    
 12:30 to 1:45 pm  
 Convention Center, Ballroom Level, Stars at Night B4  
 Credits: 1.25 CME/CE
- 12:30 Introduction**  
*Darryl C. Zeldin, MD*
- 12:35 Environmental Exposures Modulate Airway Microbiome in Asthma**  
*Stavros Garantziotis, MD*
- 12:55 Isocyanate Exposure Predicts Atopic Dermatitis and Disrupts Therapeutic Pathways in Commensal Bacteria**  
*Ian A. Myles, MD MPH*
- 1:15 Ecological Interactions in Asthma: From Environment to Microbiota and Immune Responses**  
*Yvonne Huang, MD*
- 1:35 Question & Answer Facilitation**  
*Stavros Garantziotis, MD*

## Workshop

- 2523 Negotiating Work-Life Integration**     
 12:30 to 1:45 pm  
 Convention Center, Meeting Room Level, Room 216B  
 Pre-registration and ticket required. Fee: \$20.  
 Credits: 1.25 CME/CE
- 12:30 Introduction**  
*Anil Nanda, MD FAAAAI*
- 12:35 Negotiating Work-Life Integration**  
*Theresa A. Bingemann, MD FAAAAI*
- 12:55 Negotiating Work-Life Integration**  
*Ewa H. Schafer, MD FAAAAI*
- 1:15 Negotiating Work-Life Integration**  
*Sakina S. Bajowala, MD FAAAAI*
- 1:35 Facilitation of Reflection and Discussion**  
*Anil Nanda, MD FAAAAI*

## Debates



- 2551 Global Initiative for Asthma (GINA) vs. National Heart, Lung, and Blood Institute (NHLBI) Guidelines: What Should I Use?**    
 12:30 to 1:30 pm  
 Convention Center, Ballroom Level, Room 301A  
 Credits: 1.00 CME/CE
- 12:30 Introduction**  
*Juan Carlos Cardet, MD*
- 12:35 GINA Guidelines**  
*Jerry Krishnan, MD*
- 1:00 NHLBI Guidelines**  
*Alan P. Baptist, MD MPH FAAAAI*
- 1:25 Question & Answer**  
*Juan Carlos Cardet, MD*

- 2552 Patients with Secondary Hypogammaglobulinemia Need to Be on Immunoglobulin (IgG) Supplementation When Their IgG Is Below 400**   
 12:30 to 1:30 pm  
 Convention Center, Ballroom Level, Room 302A  
 Credits: 1.00 CME/CE
- 12:30 Introduction**  
*Jennifer W. Leiding, MD FAAAAI*
- 12:35 IgG Supplementation Should Only Be Started When Patients Begin to Experience Infections**  
*Mark Ballow, MD FAAAAI*
- 1:25 Question & Answer Facilitation**  
*Jennifer W. Leiding, MD FAAAAI*
- 1:00 IgG Supplementation Should Be Started When a Patient's IgG Drops Below 400**  
*Iris M. Otani, MD FAAAAI*

## Interesting Case Workshop

- 2557 Interesting Cases: Allergy**  
 12:30 to 1:45 pm  
 Convention Center, Ballroom Level, Room 304A  
 Credits: 1.25 CME/CE
- 12:35 Something to Chew On**  
*Rebecca M. Duron, MD*
- 12:45 Dupilumab as a Treatment for HES with Associated AERD and EGID**  
*Jenny Huang, MD*
- 12:55 A Case of Coronary Vasospasm and Eosinophilia**  
*Pavan Nataraj*
- 1:05 Leukotriene Receptor Antagonist Prophylaxis to Food-Dependent Exercise-Induced Anaphylaxis**  
*Vinh T. Nguyen, MD*
- 1:15 Orofacial Granulomatosis Mimicking Angioedema: a Harbinger of Chronic Myelomonocytic Leukemia?**  
*Irene H. Yuan, MD*

## Oral Abstract Sessions

- 2601 Drug Hypersensitivity Today**    
 2:00 to 3:15 pm  
 Convention Center, Ballroom Level, Stars at Night B4  
 Credits: 1.25 CME/CE  
 Moderator: *Anna R. Wolfson, MD*
- 2:05 Utility And Safety of Drug Provocation Testing in Pediatric Ibuprofen Allergy**  
*Ibtihal Alotaibi, MD*
- 2:15 Basophil activation test may help achieve a better diagnosis in patients with hypersensitivity reactions to chemotherapeutics**  
*Gador Bogas Herrera, MD*
- 2:25 Drug reaction with eosinophilia and systemic symptoms (DRESS) with dual sensitization to both vancomycin and ceftriaxone**  
*Matthew S. Krantz, MD*
- 2:35 The role of HLA B\*13:01 and HLA B\*15:02 for predicting sulfonamide/trimethoprim-induced Severe Cutaneous Adverse Reactions (SCARs)**  
*Kanokkarn Pinyopornpanish, MD*
- 2:45 Assessing Allergic Reactions to Cephalosporins in Children**  
*Carly Silcox*

## Oral Abstract Sessions (continued)

- 2602 Asthma Epidemiology and Risk Factors** ▼  
 2:00 to 3:15 pm  
**Convention Center, Ballroom Level, Stars at Night B2**  
 Credits: 1.25 CME/CE  
*Moderators: Basil M. Kahwash, MD*  
*Bridgette Jones, MD MS FAAAAI*
- 2:05 Risk Factors for Asthma Development in Adult Patients in the Electronic Health Record: A Landmark Analysis from the Vanderbilt Cardiovascular and Multiple Metabolic Disease in Obesity Resource (COMMODORE)**  
*Melissa Bloodworth, MD PhD*
- 2:15 Cohort study of early life environmental factors and risk of decreased lung function at age 6 years in children with a history of severe bronchiolitis**  
*Geneva Mehta, MD*
- 2:25 Early Life Risk Factors for Small Airways Dysfunction Across Childhood and Adolescence as Measured by Impulse Oscillometry**  
*Caithan Murphy, MD*
- 2:35 Increased Exacerbation Burden in Allergic Polysensitized Patients with Moderate to Severe Asthma**  
*Brian Patchett, MS*
- 2:45 Comparison of Rhinitis Phenotypes with the Development of Asthma by Age 10 in an Urban Birth Cohort**  
*Ross Tanis, MD*
- 2603 The Basic Science of BCI** ▼  
 2:00 to 3:15 pm  
**Convention Center, Meeting Room Level, Room 225C**  
 Credits: 1.25 CME/CE  
*Moderators: Sarah E. Henrickson, MD PhD FAAAAI*  
*Jocelyn Farmer, MD PhD*
- 2:05 Viral Neutralization Against SARS-CoV-2 is More Durable After Infection Versus Vaccination**  
*Kelsea Chen*
- 2:15 Modeling the 3D-structure of the ZAP-70-VAV-SLP-76 Complex Required for T cell Receptor Function**  
*Viktor Urban*
- 2:25 TLR4 Expression on Neutrophils and Peripheral Blood Monocytes in Patients with Acute SARS-COV-2**  
*Igor Yatskov*
- 2:35 Regulatory T Cells are Necessary for Generation of CD8+ Tissue Resident Memory T cells Following Influenza Infection**  
*Nurbek Mambetsariev, MD PhD*
- 2:45 A cytometric survey of immune cell populations reveals an association between allergen-responsive natural killer (NK) cells and human peanut allergy**  
*Xiaoying Zhou, MD PhD*

- 2604 Early Life Effects of Environmental Exposures** ▼  
 2:00 to 3:15 pm  
**Convention Center, Ballroom Level, Room 301A**  
 Credits: 1.25 CME/CE  
*Moderators: Timothy P. Moran, MD PhD FAAAAI*  
*Perdita Permaul, MD FAAAAI*
- 2:05 The impacts of ambient air pollution exposure during pregnancy on maternal and neonatal inflammatory biomarkers**  
*Ji Won Ha*
- 2:15 Bisphenol A (BPA) has transgenerational effects on the development of experimental asthma through BRD4/ZDHC-1/STING axis**  
*Terumi Midoro-Horiuti, MD PhD FAAAAI*
- 2:25 Decreased pollen sensitization in school-age children after the COVID-19 pandemic : COCOA study**  
*Kun Baek Song*
- 2:35 Association of Urine Phthalate Levels with Skin Barrier Dysfunction and Atopic Sensitization in Children**  
*Soon M. Sung, MD PhD*
- 2:45 The Gut Microbiome of Infants Who Were Exposed in Utero to Hurricane Maria**  
*Leyao Wang*
- 2605 Oral Immunotherapy: Outcome, Dosing and Mechanism** **LIVE** ▼  
 2:00 to 3:15 pm  
**Convention Center, Ballroom Level, Stars at Night B1**  
 Credits: 1.25 CME/CE  
*Moderators: Aikaterini Anagnostou, MD MSc PhD FAAAAI*  
*Anna H. Nowak-Wegrzyn, MD PhD FAAAAI*
- 2:05 Variability of allergen quantity in commercially available peanut-containing foods**  
*Justin T. Marsh*
- 2:15 Baseline Epitope-Specific IgE Profiles are Predictive of Sustained Unresponsiveness One Year Post OIT in the POISED Trial**  
*Ashley Sang Eun Lee, MD*
- 2:25 Pooled Analysis Of Long-term Immunological And Safety Outcomes Of Daily Oral Immunotherapy For Peanut Allergy Up To ~5 Years**  
*J. Andrew Bird, MD FAAAAI*
- 2:35 Sesame Oral Desensitization Outcomes in a Pediatric Cohort**  
*Ami Shah, MD*
- 2:45 How low can we go: preliminary efficacy of very low dose peanut oral immunotherapy**  
*Julia Upton, MD MPH FAAAAI*



## Oral Abstract Sessions (continued)

### 2606 Health Disparities and Social Determinants of Health ▼

2:00 to 3:15 pm

Convention Center, Ballroom Level, Hemisfair C1

Credits: 1.25 CME/CE

Moderators: *Juanita Mora, MD*

*Jessica L. Stern, MD MS*

### 2:05 Evaluating the Relationship Between Social Determinants of Health (SDoH), Patient Demographics, and Access to Biologics in Patients with Moderate-to-Severe Asthma in Bronx, NY

*Nitza Granados*

### 2:15 Asthma Morbidity Measures Across Black Ethnic Subgroups

*Leah L. Ishmael, DO*

### 2:25 African American Emerging Adults with Asthma: A Qualitative Study

*Alan P. Baptist, MD MPH FAAAAI*

### 2:35 Lower Likelihood of Allergist Evaluation for Black Children with Atopic Dermatitis Despite Increased Risk of Asthma

*Ellen D. Stephen, MD*

### 2:45 Food Insecurity and Food Allergy in Children of an Urban Minority Community: A Cross-Sectional Study

*Hao Tseng, MD MSc*

### 2607 Updates in Rhinitis and Immunotherapy ▼

2:00 to 3:15 pm

Convention Center, Ballroom Level, Hemisfair C3

Credits: 1.25 CME/CE

Moderators: *Amber M. Patterson, MD FAAAAI*

*Desiree E. Larenas-Linnemann, MD FAAAAI*

### 2:05 Use of a Novel High-Dimensional Single-Cell Analytical Method for Defining T-cell Skewing Induced by a Molecular Variant of Der p 2

*Naomi Bryant, MS*

### 2:15 Safety of Allergen Immunotherapy after a Gap in Treatment.

*Jenna Jung, MD*

### 2:25 Efficacy of Sublingual Immunotherapy Tablets for Allergic Rhinoconjunctivitis in Adult Monosensitized and Polysensitized Subjects

*Harold S. Nelson, MD FAAAAI*

### 2:35 Onset of Clinical Effect with Sublingual Immunotherapy Tablets for Allergic Rhinoconjunctivitis

*David I. Bernstein, MD FAAAAI*

### 2:45 Correlation between the basophil activation test and the severity of rhinitis in local respiratory allergy

*Almudena Testera Montes, PhD*

### 2608 Novel Mechanisms of Allergic Inflammation ▼

2:00 to 3:15 pm

Convention Center, Ballroom Level, Room 302A

Credits: 1.25 CME/CE

### 2:05 IL-33 Initiates and Amplifies Both Type 1 and Type 2 Inflammation

*Seblewongel Asrat, PhD*

### 2:15 Generation of Functionally Competent Eosinophils and Eosinophil Precursors Using an Induced Pluripotent Stem Cell Model

*Gregory M. Constantine, MD*

### 2:25 Mepolizumab Alters Regulation of Airway Type-2 Inflammation in Urban Children with Asthma by Disrupting Eosinophil Gene Expression but Enhancing Mast Cell and Epithelial Pathways

*Courtney L. Gaberino, MD*

### 2:35 Transcriptomic analysis of airway epithelial cells identifies an altered expression profile of T2 and non-T2 genes in chronic rhinosinusitis with nasal polyposis

*George X. Huang, MD*

### 2:45 Comprehensive analysis of epigenome and transcriptome-based correlation network analysis in severe asthma risk prediction

*Eskezeia Y. Dessie, PhD*

### 2611 Late Breaking Oral Abstract Session – Basic ▼

2:00 to 3:15 pm

Convention Center, Meeting Room Level, Room 221C

Credits: 1.25 CME/CE

Moderator: *Stephanie C. Eisenbarth, MD PhD*

### 2:05 Mast Cells and Prostaglandin E2 Control Homeostasis in Lung Type 2 Inflammation Through Soluble ST2

*Kinan Alhallak*

### 2:15 Macrophage and Neutrophil Dysregulation are Associated with Persistent COVID-19-induced Olfactory Dysfunction

*Dante G. Minichetti*

### 2:25 Discrete T-Cell and Inflammatory Profiles in the Blood Define Pulmonary Phenotypes After COVID-19 Illness

*Glenda Canderan, PhD*

### 2:35 High prevalence of autoantibodies in children after COVID-19 infection of differing levels of severity

*Katherine C. Konvinse, MD PhD*

### 2:45 Spatial and single-cell transcriptomics provide insights into the complex inflammatory cell network in atopic dermatitis

*Yasutaka Mitamura*

## Keynote

### 2701 Global Vaccines and Vaccinations: The Science vs The Antiscience LIVE

3:30 to 4:30 pm

Convention Center, Lobby Level, Hall 2



Credits: 1.00 CME/CE

### 3:30 Introduction




*David A. Khan, MD FAAAAI*


### 3:35 Peter Hotez, MD PhD



## Workshop



- 2813** **Introductory Rhinology Workshop with Hands-On Learning**    
 4:30 to 6:30 pm  
**Convention Center, Meeting Room Level, Room 205**  
 Pre-registration and ticket required. Fee: \$50.  
 Credits: 2.00 CME/CE
- 4:30** **Introduction to Rhinology**  
*Jerald W. Koepke, MD FAAAAI*
- 5:00** **Hands-On Rhinoscopy Instruction**  
*Allen D. Adinoff, MD FAAAAI*
- 5:00** **Hands-On Rhinoscopy Instruction**  
*David Elkayam, MD*
- 5:00** **Hands-On Rhinoscopy Instruction**  
*Kevin R. Murphy, MD*

## Workshops



- 2801** **Journal of Allergy and Clinical Immunology: In Practice Year-in-Review Workshop**    
 4:45 to 6:00 pm  
**Convention Center, Ballroom Level, Stars at Night B1**  
 Credits: 1.25 CME/CE
- 4:45** **Introduction**  
*Michael Schatz, MD MS FAAAAI*
- 4:50** **Asthma**  
*Robert S. Zeiger, MD PhD FAAAAI*
- 5:10** **Food Allergy and Anaphylaxis**  
*Scott H. Sicherer, MD FAAAAI*
- 5:30** **Drug Allergy and Urticaria/Angioedema**  
*David M. Lang, MD FAAAAI*
- 5:50** **Question & Answer Facilitation**  
*Michael Schatz, MD MS FAAAAI*
- 2802** **In the News at the American Board of Allergy and Immunology (ABAI)**   
 4:45 to 6:00 pm  
**Convention Center, Ballroom Level, Room 304A**  
 Credits: 1.25 CME/CE
- 4:45** **Introduction**  
*Princess U. Ogbogu, MD FAAAAI*
- 4:50** **Keeping Up with Your CAP 5-Year Cycle Score**  
*Michael R. Nelson, MD PhD FAAAAI*
- 5:10** **What's New with the CAP Test Writing Committee**  
*Theodore M. Freeman, MD FAAAAI*
- 5:30** **ABAI Highlights: Ambassadors and Director Self-Nominations**  
*Jeffrey R. Stokes, MD FAAAAI*
- 5:50** **Question & Answer Facilitation**  
*Princess U. Ogbogu, MD FAAAAI*


- 2803** **Update from the US Food and Drug Administration**   
 4:45 to 6:00 pm  
**Convention Center, Ballroom Level, Room 301A**  
 Credits: 1.25 CME/CE
- 4:45** **Introduction**  
*Paul A. Greenberger, MD FAAAAI*
- 4:50** **FDA Year-in-Review**  
*Stacy Chin, MD*
- 5:10** **Center for Drug Evaluation and Research: Hot Topics**  
*Aishah Ali, MD*
- 5:30** **Center for Biologic Evaluation and Research: Hot Topics**  
*Kathleen S. Hise, MD*
- 5:50** **Question & Answer Facilitation**  
*Paul A. Greenberger, MD FAAAAI*



- 2804** **Hands-On Skin Biopsy for Allergists**    
 4:45 to 6:00 pm  
**Convention Center, Meeting Room Level, Room 207A**  
 Pre-registration and ticket required. Fee: \$20.  
 Credits: 1.25 CME/CE
- 4:45** **Introduction**  
*Jacqueline A. Ross, MD*
- 4:50** **Instructors**  
*David R. Weldon, MD FAAAAI*  
*Marc J. Serota, MD*  
*Jacqueline A. Ross, MD*
- 5:50** **Question and Answer**  
*Jacqueline A. Ross, MD*



- 2805** **Managing Anaphylaxis to Allergy Injections: "Time is of the Essence"**    
 4:45 to 6:00 pm  
**Convention Center, Ballroom Level, Stars at Night B4**  
 Credits: 1.25 CME/CE
- 4:45** **Introduction**  
*Ruchi S. Gupta, MD MPH*
- 4:50** **Identification of Patients at Risk for, and Prompt Recognition of, Injection Related Anaphylaxis**  
*Tolly I. Epstein, MD MS FAAAAI*
- 5:10** **Emergency Treatment of Injection Related Anaphylaxis**  
*John M. Kelso, MD FAAAAI*
- 5:30** **Team Approach to Anaphylaxis in the Allergy Practice: Preparing Your Staff for the Inevitable**  
*David I. Bernstein, MD FAAAAI*
- 5:50** **Question & Answer Facilitation**  
*Gayatri B. Patel, MD MSci*


## Workshops (continued)



- 2806** **Secondary Hypogammaglobulinemia**    
 4:45 to 6:00 pm  
**Convention Center, Ballroom Level, Hemisfair C3**  
 Credits: 1.25 CME/CE
- 4:45** **Introduction**  
*Mildred Kwan, MD PhD FAAAAI*
- 4:50** **Defining Secondary Immunodeficiency**  
*Antoine Azar, MD FAAAAI*
- 5:10** **Hypogammaglobulinemia Secondary to B Cell Targeted Therapy**  
*Sara Barmettler, MD*
- 5:30** **Secondary Immunodeficiency in Solid Organ Transplant**  
*Sarah K. Nicholas, MD*
- 5:50** **Question & Answer Facilitation**  
*Mildred Kwan, MD PhD FAAAAI*

- 2807** **Allergy and Adipose Tissue: Type 2 Control of Fat Function**   
 4:45 to 6:00 pm  
**Convention Center, Ballroom Level, Room 302A**  
 Credits: 1.25 CME/CE
- 4:45** **Introduction**  
*Caroline L. Sokol, MD PhD FAAAAI*
- 4:50** **Thymic Stromal Lymphopoietin (TSLP) as a Fat Rheostat**  
*Taku Kambayashi*
- 5:10** **Sympathetic ILC2s: Neuroimmune Control of Metabolism**  
*Filipa Cardoso*
- 5:30** **Obesity as an Immune Skewing Agent**  
*Sagar Bapat*
- 5:50** **Question & Answer Facilitation**  
*Caroline L. Sokol, MD PhD FAAAAI*




- 2808** **The Ins and Outs of Severe Cutaneous Adverse Reactions (SCARs)**    
 4:45 to 6:00 pm  
**Convention Center, Ballroom Level, Hemisfair C1**  
 Credits: 1.25 CME/CE
- 4:45** **Introduction**  
*Melissa Iammatteo, MD*
- 4:50** **Genetics**  
*Munir Pirmohamed*
- 5:10** **Diagnosis**  
*Jason Trubiano, MD FAAAAI*
- 5:30** **Management and Treatment**  
*Caroline Nelson, MD*
- 5:50** **Question & Answer Facilitation**  
*Melissa Iammatteo, MD FAAAAI*

- 2809** **Beyond Shots: Environmental Controls as an Intervention to Treat Allergic Disease and Asthma**    
 4:45 to 6:00 pm  
**Convention Center, Meeting Room Level, Room 225C**  
 Credits: 1.25 CME/CE
- 4:45** **Introduction**  
*Elizabeth C. Matsui, MD MHS FAAAAI*
- 4:50** **How Does Remediating Indoor Allergens at Home and School Improve Asthma Outcomes?**  
*Wanda Phipatanakul, MD MS FAAAAI*
- 5:10** **Indoor Air Pollutants: What Are They and How Do They Impact Allergies and Asthma?**  
*Michelle L. Hernandez, MD FAAAAI*
- 5:30** **Indoor Environmental Assessments: How to Perform Them, What Works, and How to Counsel Patients**  
*Jay M. Portnoy, MD FAAAAI*
- 5:50** **Question & Answer Facilitation**  
*Elizabeth C. Matsui, MD MHS FAAAAI*

- 2810** **Eosinophilic Gastrointestinal Disorders (EGID) Below the Esophagus: What is New in Diagnosis?**   
 4:45 to 6:00 pm  
**Convention Center, Ballroom Level, Stars at Night B3**  
 Credits: 1.25 CME/CE
- 4:45** **Introduction**  
*Benjamin L. Wright, MD FAAAAI*
- 4:50** **EGID New Nomenclature and its Application to Clinical Practice**  
*Caitlin M. Burk, MD*
- 5:10** **Novel Diagnostics for EGIDs**  
*Mirna Chehade, MD MPH FAAAAI*
- 5:30** **How to Assess Patients with EGID and Hyperosinophilia**  
*Paneez Khoury, MD MHSc FAAAAI*
- 5:50** **Question & Answer Facilitation**  
*Benjamin L. Wright, MD FAAAAI*

- 2811** **Food Challenges: Debates of Controversial and Challenging Issues**    
 4:45 to 6:00 pm  
**Convention Center, Lobby Level, Hall 2**  
 Credits: 1.25 CME/CE
- 4:45** **Introduction**  
*Stephanie A. Leonard, MD FAAAAI*
- 4:50** **Special Considerations for Food Challenges in Infants**  
*Michael Pistiner, MD MMSc*
- 5:00** **Special Considerations for Food Challenges in Infants**  
*J. Andrew Bird, MD FAAAAI*
- 5:10** **Special Considerations for Food Challenges in Adults**  
*Andrea A. Pappalardo, MD FAAAAI*
- 5:20** **Special Considerations for Food Challenges in Adults**  
*Christina E. Ciaccio, MD FAAAAI*
- 5:30** **Performing Food Challenges for Non-Immunoglobulin-E-Mediated Food Allergy**  
*Anna H. Nowak-Wegrzyn, MD PhD FAAAAI*
- 5:40** **Performing Food Challenges for Non-Immunoglobulin-E-Mediated Food Allergy**  
*Andrew J. MacGinnitie, MD PhD*
- 5:50** **Question & Answer Facilitation**  
*Stephanie A. Leonard, MD FAAAAI*

## Workshops (continued)

- 2812 Clarifying the Role, Pitfalls, and Approaches to Food Allergy Modeling**   
 4:45 to 6:00 pm  
 Convention Center, Meeting Room Level, Room 221C  
 Credits: 1.25 CME/CE
- 4:45 Introduction**  
*Timothy P. Moran, MD PhD FAAAAI*
- 4:50 The Role of Interleukin 4 (IL4) and Interleukin 9 (IL-9) in Food Allergy Mouse Models**  
*Simon P. Hogan, PhD*
- 5:10 The Role of Epithelial Barriers in Food Allergy Mouse Models**  
*Nicholas D. Lukacs, PhD*
- 5:30 Limitations and Opportunities in Existing Animal Models of Food Allergy**  
*Talal A. Chatila, MD MSc*
- 5:50 Question & Answer Facilitation**  
*Timothy P. Moran, MD PhD FAAAAI*
- 2821 Allied Health: Oral Food Challenges: Putting It All Together**    
 4:45 to 6:00 pm  
 Convention Center, Meeting Room Level, Room 214A  
 Pre-registration and ticket required. Fee: \$20.  
 Credits: 1.25 CME/CE
- 4:45 Introduction**  
*Kim E. Mudd, RN MSN CCRP*
- 4:50 Panel Discussion**  
*Bruce J. Lanser, MD MPH FAAAAI*
- 4:50 Panel Discussion**  
*Maria A. Crain, RN MA CPNP*
- 4:50 Panel Discussion**  
*Cindy M. Bandelier, RN*
- 5:45 Panel Discussion Facilitation**  
*Kim E. Mudd, RN MSN CCRP*

## Poster Discussion Workshop

- 2814 Cutting Edge Mechanisms in T2 Inflammation and Barrier Defense**  
 4:45 to 6:00 pm  
 Convention Center, Meeting Room Level, Room 206B  
 Credits: 1.25 CME/CE
- 4:45 Poster Viewing**  
*All Participants*
- 5:25 CARD14 is a Novel Regulator of MYC Expression and Function in Human Keratinocytes**  
*Stanley B. DeVore, MS*
- 5:30 Neonatal mice infected with human metapneumovirus demonstrate Th2 skewing with primary and secondary infection**  
*Taylor J. Eddens, MD*
- 5:35 Interleukin 4 directly activates olfactory neurons and induces loss of smell in mice**  
*Yannis Hara*
- 5:40 The Role of a DNA Repair Protein NEIL2 in Regulating Allergic Airway Inflammation**  
*Nisha Tapryal, PhD*
- 5:45 Lactobacillus acidophilus Induces Enhancement of the Intestinal Epithelial Tight Junction Barrier Function by Toll-like Receptor-2 Independent of MyD88**  
*Lauren Kaminsky, MD PhD*
- 5:50 Question & Answer**  
*All Participants*

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## Annual Business Meeting

***to include the induction of all new Fellows  
and members approved in 2022***

Monday, February 27, 2023

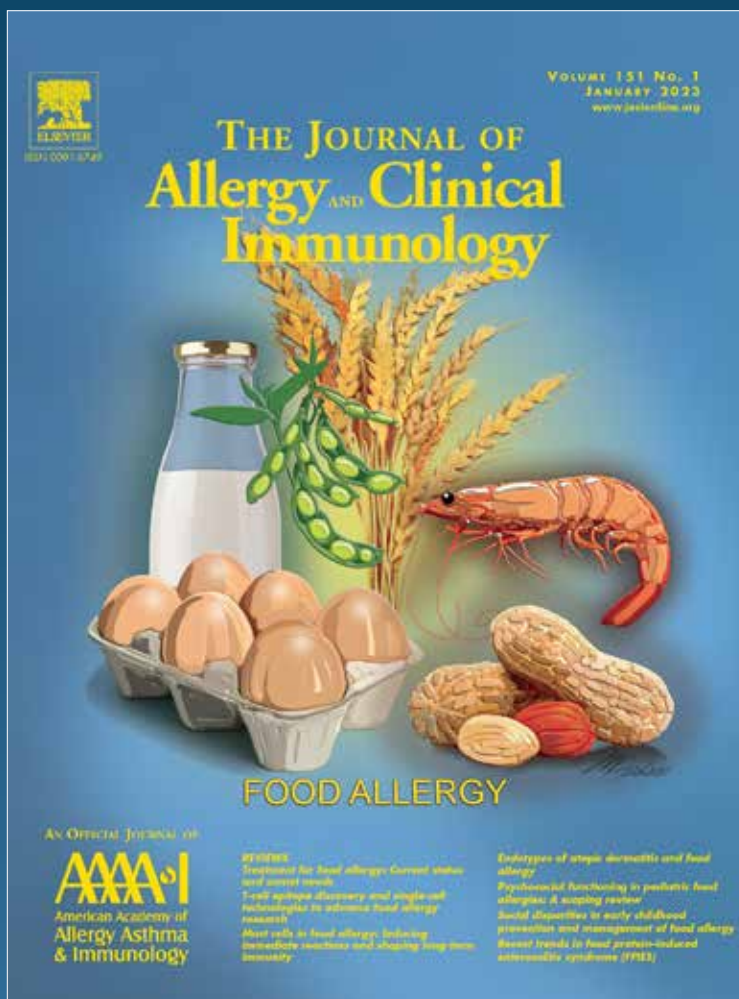
8:15 to 9:15 am

**Convention Center, Lobby Level, Hall 1**





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





# Sunday At-A-Glance

6:00 AM						
7:00 AM						
8:00 AM				<b>Seminars (Hyatt)</b> 7:00 - 8:00 am		
9:00 AM				<b>Plenary</b> 8:15 - 9:45 am		
10:00 AM				<b>Poster Presentations &amp; Case Study Posters</b> 9:45 - 10:45 am		
11:00 AM				<b>Symposia</b> 10:45 am - 12:00 pm		
12:00 PM						
1:00 PM	<b>Registration</b> 6:30 am - 5:00 pm	<b>Poster Hall</b> 7:00 am - 6:15 pm	<b>Training Station</b> 12:00 - 2:00 pm	<b>Seminars (Hyatt) &amp; Pro/Con Debates</b> 12:30 - 1:30 pm	<b>Workshops &amp; Interesting Case Workshops</b> 12:30 - 1:45 pm	<b>Allied Health Seminars</b> 12:30 - 1:30 pm
2:00 PM		<b>Exhibit Hall</b> 9:45 am - 6:15 pm				
3:00 PM					<b>Oral Abstracts</b> 2:00 - 3:15 pm	
4:00 PM					<b>Interest Section Forums</b> 3:30 - 4:30 pm	
5:00 PM						
6:00 PM				<b>Featured Posters &amp; Reception</b> 4:45 - 6:15 pm		



Sunday, February 26

## Seminars

- 3001 Practical Issues of Managing a Patient with Allergic Skin Diseases on Biologics**    
 7:00 to 8:00 am  
**Hyatt, Second Floor, Bowie B**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Ellen R. Sher, MD FAAAAI*  
*Marc J. Serota, MD*
- 3002 A Practical Guide to Biomarker Driven Management of Pediatric Asthma**    
 7:00 to 8:00 am  
**Hyatt, Third Floor, Bonham B**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*William J. Sheehan, MD FAAAAI*  
*Perdita Permaul, MD FAAAAI*
- 3003 Biologic Treatment for Asthma: Sociodemographic Disparities, Facilitating Access, and Streamlining the Approval Process**    
 7:00 to 8:00 am  
**Hyatt, Third Floor, Bonham C**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Elina Jerschow, MD FAAAAI*  
*Andrew A. White, MD FAAAAI*
- 3004 Do You Smell That? Inflammation and Olfactory Damage**    
 7:00 to 8:00 am  
**Hyatt, Third Floor, Bonham D**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Lora G. Bankova, MD FAAAAI*  
*Carol Yan*
- 3005 The Science of Fecal Microbiota Transplant in Food Allergy**    
 7:00 to 8:00 am  
**Hyatt, Third Floor, Bonham E**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Rima A. Rachid, MD FAAAAI*  
*Andrew L. Kau, MD PhD*
- 3006 Building a Chemotherapy Allergy Evaluation Program into Your Outpatient Practice**    
 7:00 to 8:00 am  
**Hyatt, Third Floor, Travis A**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*David I. Hong, MD FAAAAI*  
*Anna R. Wolfson, MD*

- 3007 Health Effects of Wildfire Smoke in Adult and Pediatric Populations**    
 7:00 to 8:00 am  
**Hyatt, Third Floor, Travis C**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*David B. Peden, MD MS FAAAAI*  
*Anh P. Nguyen, MD MPH*
- 3008 What is the Current Status of Automated Pollen Counters?**    
 7:00 to 8:00 am  
**Hyatt, Third Floor, Presidio B**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Dan Dalan, MD FAAAAI*  
*Peter J. Pityn, PhD*
- 3009 Evaluation and Screening for Sleep Apnea and Other Sleep-Related Conditions in Chronic Rhinosinusitis**    
 7:00 to 8:00 am  
**Hyatt, Fourth Floor, Crockett A**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Mahboobeh Mahdavinia, MD PhD*
- 3010 Immune Mechanisms of Pollutant-Mediated Asthma and Airway Inflammation**    
 7:00 to 8:00 am  
**Hyatt, Fourth Floor, Crockett C**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Angela Haczk, MD PhD FAAAAI*  
*Robert M. Tighe, MD*
- 3011 Adverse Reactions to Ig Replacement**    
 7:00 to 8:00 am  
**Hyatt, Fourth Floor, Republic B**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Peter S. Capucilli, MD*  
*Jennifer Heimall, MD FAAAAI*

## Plenary

- 3101 Atopic Dermatitis: New Insights from Bench to Bedside to Populations**    
 8:15 to 9:45 am  
 Convention Center, Lobby Level, Hall 2  
 Credits: 1.50 CME/CE
- 8:15 Introduction**  
*Cathryn R. Nagler, PhD*
- 8:20 Human Skin Commensal Microbe for Bacteriotherapy of Atopic Dermatitis**  
*Richard Gallo, MD PhD*
- 8:45 Introduction**  
*Cathryn R. Nagler, PhD*
- 8:50 Advances in Treatment for Atopic Dermatitis**  
*Mark Boguniewicz, MD FAAAAI*
- 9:15 Introduction**  
*Cathryn R. Nagler, PhD*
- 9:20 Making the Grading of Recommendations Assessment, Development, and Evaluation (GRADE): Practice Parameter Updates**  
*Lynda C. Schneider, MD FAAAAI*

## Sunday Poster Session

9:45 to 10:45 am  
 Convention Center, Lobby Level, Hall 2  
 Credits: 0.0 CME/CE  
 Please refer to the 2023 AAAAI Annual Meeting Mobile App or [www.jacionline.org](http://www.jacionline.org) for abstract details.

- 393-397 Cutting Edge Mechanisms in T2 Inflammation and Barrier Defense**
- 398-479 Allergic Skin Disease**
- 480-502 Asthma, COVID-19, and Chronic Cough Epidemiology and Outcomes**
- 503-511 Asthma Management with Technologies**
- 512-518 The Immunology of Allergy**
- 520-555 Food Allergy: Epidemiology, Quality of Life, Mechanisms and Diagnosis**
- 556-577 Epidemiology, Health Policy, Healthcare Economics and Information Technology**
- 578-591 Mechanisms of Allergic Inflammation: Upper and Lower Airways Disease and Food Allergy**
- DP-ER Sunday Case Reports**

## Symposia

- 3301 Insights into Alpha-gal Glycolipids, Hemostasis in Atopic Dermatitis, and Follistatin-like-1 Modulating Inflammatory Vasculitis: Research from the 2020 AAAAI Foundation Faculty Development Awardees**   
 10:45 to 12:00 pm  
 Convention Center, Ballroom Level, Hemisfair C3  
 Credits: 1.25 CME/CE
- 10:45 Introduction**  
*Mitchell H. Grayson, MD FAAAAI*
- 10:50 Investigations into the Mammalian Oligosaccharide Galactose- $\alpha$ -1,3-Galactose ( $\alpha$ -Gal) as an Agent of IgE-Mediated Delayed Anaphylaxis and Atherosclerosis**  
*Jeffrey Wilson, MD PhD*
- 11:05 Glycolipids and Invariant Natural Killer T Cells in Alpha-Gal Syndrome**  
*Onyinye I. Iweala, MD PhD*
- 11:20 The Role of Hemostasis in Atopic Dermatitis**  
*Michael K. Sherenian, MD*
- 11:35 Follistatin Like-1 Protein is a Modulator of Immune Response in inflammatory Vasculitis**  
*Mark Gorelik, MD*
- 11:50 Question & Answer Facilitation**  
*Mitchell H. Grayson, MD FAAAAI*
- 3302 European Academy of Allergy and Clinical Immunology (EAACI): The Immune Modulation Toolbox for Allergic Diseases and Asthma**    
 10:45 am to 12:00 pm  
 Convention Center, Lobby Level, Hall 2  
 Credits: 1.25 CME/CE
- 10:45 Introduction**  
*Ioana O. Agache, MD PhD*
- 10:50 Allergen Immunotherapy**  
*Marek M. Jutel, MD PhD*
- 11:10 Omics Biomarkers**  
*Markus W. Ollert, MD*
- 11:30 Biologics**  
*Stefano Del Giacco, MD*
- 11:50 Question & Answer Facilitation**  
*Ioana O. Agache, MD PhD*

## Symposia (continued)

### 3303 Cytopenias in Patients with Inborn Errors of Immunity: Diagnosis and Treatment Dilemmas

10:45 am to 12:00 pm

Convention Center, Meeting Room Level, Room 221C

Credits: 1.25 CME/CE

#### 10:45 Introduction

Huifang Lu, MD PhD FAAAAI

#### 10:50 Cytopenias: Who and When to Test

Jolan Walter, MD PhD

#### 11:10 Immunologic Workup in Patients with Autoimmune and Non-Immune Cytopenias: Who and When to Test

Jocelyn Farmer, MD PhD

#### 11:30 Mechanism-Based Therapeutic Options for Patients with Cytopenias

Charlotte Cunningham-Rundles, MD PhD FAAAAI

#### 11:50 Question & Answer Facilitation

Hey J. Chong, MD PhD FAAAAI

### 3304 Using Drug Allergy Expertise to Improve Patient Care in Other Specialties

10:45 am to 12:00 pm

Convention Center, Ballroom Level, Stars at Night B1

Credits: 1.25 CME/CE

#### 10:45 Introduction

Jason Kwah, MD

#### 10:50 Evaluation and Management of Penicillin Allergy in Pregnancy

Anna R. Wolfson, MD

#### 11:10 When Office Challenges to Acetylsalicylic Acid (ASA)/Non-Steroidal Anti-Inflammatory Drugs (NSAIDs) are Important to Patient Care Outcomes

Tanya M. Laidlaw, MD FAAAAI

#### 11:30 Expand the Scope of Practice and Improve Patient Outcomes by Incorporating the Evaluation of Chemotherapy HSRs into Your Practice

Aleena Banerji, MD FAAAAI

#### 11:50 Question & Answer Facilitation

Iris M. Otani, MD FAAAAI

### 3305 Adult Food Allergy: Not Just Big Kids

10:45 am to 12:00 pm

Convention Center, Ballroom Level, Hemisfair C1

Credits: 1.25 CME/CE

#### 10:45 Introduction

Punita Ponda, MD FAAAAI

#### 10:50 Shrimp and Fish Allergy

Mahboobeh Mahdavinia, MD PhD

#### 11:10 Alpha-Gal Syndrome: Beyond Mammalian Meat

Scott P. Commins, MD PhD

#### 11:30 Lipid Transfer Protein Allergy: The Relevance Outside of the Mediterranean Basin

Enrico Scala

#### 11:50 Question & Answer Facilitation

Punita Ponda, MD FAAAAI

### 3306 Community-Level Environment and Rates and Risk Factors for Early Life Viral Infections

10:45 am to 12:00 pm

Convention Center, Ballroom Level, Room 302A

Credits: 1.25 CME/CE

#### 10:45 Introduction

Margee Louisias, MD MPH

#### 10:50 Neighborhood Socioeconomic Factors in the Environmental Influences on Child Health Outcomes (ECHO)/Children's Respiratory Research Workgroup (CREW) Consortium and Childhood Wheezing and Asthma

Antonella Zanobetti, PhD

#### 11:10 Socioeconomic Exposures, Air Pollution and Childhood Asthma

Patrick H. Ryan, PhD

#### 11:30 Early Life Viral infections and Air Pollutant Factors in Lung Health

Tina V. Hartert, MD MPH

#### 11:50 Question & Answer Facilitation

Margee Louisias, MD MPH

### 3307 Improving the Pipeline into the Field of Allergy and Immunology to Improve Workforce Challenges

10:45 am to 12:00 pm

Convention Center, Ballroom Level, Room 301A

Credits: 1.25 CME/CE

#### 10:45 Introduction

Rebecca Scherzer, MD FAAAAI

#### 10:50 Update on the Allergy/Immunology Match Statistics

Amal H. Assa'ad, MD FAAAAI

#### 11:10 Racial Disparities in the Allergy/Immunology Workforce

Melody C. Carter, MD FAAAAI

#### 11:30 Panel Discussion on the Pipeline into the Field of Allergy and Immunology

Gerald B. Lee, MD FAAAAI

#### 11:50 Panel Discussion Facilitation

Bridgette Jones, MD MS FAAAAI

### 3308 The Epithelium in Health and Disease and the Underlying Mechanisms of Chronic Rhinosinusitis

10:45 am to 12:00 pm

Convention Center, Meeting Room Level, Room 225C

Credits: 1.25 CME/CE

#### 10:45 Introduction

Joseph K. Han, MD FAAAAI

#### 10:50 The Role of the Epithelium in Health and Disease and the Underlying Mechanisms of Chronic Rhinosinusitis

Robert P. Schleimer, PhD FAAAAI

#### 11:10 Utilization of Current and Novel Therapies Based Upon Biomarkers, Phenotypes and Endotypes for Chronic Rhinosinusitis with Nasal Polyps

Claus Bachert, MD PhD

#### 11:30 Guideline Recommendations and Emerging Treatments for Chronic Rhinosinusitis

Stella Lee, MD

#### 11:50 Question & Answer Facilitation

Joseph K. Han, MD FAAAAI













## Symposia (continued)

- 3309 Advancing the Safety of Allergen Immunotherapy**    
**LIVE**  
 10:45 am to 12:00 pm  
**Convention Center, Ballroom Level, Stars at Night B4**  
 Credits: 1.25 CME/CE
- 10:45 Introduction**  
*Harold S. Nelson, MD FAAAAI*
- 10:50 Optimizing Patient Selection for Subcutaneous Allergen Immunotherapy, and How to Minimize Risks for High-Risk Patients**  
*Christopher W. Calabria, MD FAAAAI*
- 11:10 Optimizing Dosing and Buildup Strategies for Subcutaneous Allergen Immunotherapy, Including Dose Adjustment After Gaps in Therapy**  
*Desiree E. Larenas Linnemann, MD FAAAAI*
- 11:30 Optimizing Clinical Protocols for Subcutaneous Allergen Immunotherapy Related to Waiting Times, Epinephrine Autoinjectors and Treatment of Systemic Reactions**  
*Tolly I. Epstein, MD MS FAAAAI*
- 11:50 Question & Answer Facilitation**  
*Harold S. Nelson, MD FAAAAI*
- 3310 Protective Power of Commensal Microbiota Against Allergic Diseases and Infection**   
 10:45 am to 12:00 pm  
**Convention Center, Ballroom Level, Room 304A**  
 Credits: 1.25 CME/CE
- 10:45 Introduction**  
*Magdalena M. Gorska, MD PhD FAAAAI*
- 10:50 Mucosal Fungi in Gut Barrier Function**  
*Iliyan Iliev, PhD*
- 11:10 Intestinal Bacteria Protecting Against Allergy**  
*Cathryn R. Nagler, PhD*
- 11:30 Maintenance of the Skin Barrier Integrity by Commensal Microbes**  
*Michael Otto, PhD*
- 11:50 Question & Answer Facilitation**  
*Magdalena M. Gorska, MD PhD FAAAAI*

## Training Station



- 3401 Oral Food Challenges (OFC)**  
 12:00 to 2:00 pm  
**Convention Center, Lobby Level, Hall 2**  
 Credits: 0.25 CME/CE  
*J. Andrew Bird, MD FAAAAI*  
*S. Allan Bock, MD FAAAAI*  
*S. Shahzad Mustafa, MD FAAAAI*  
*Stephanie A. Leonard, MD FAAAAI*  
*Amanda L. Cox, MD FAAAAI*  
*Christopher P. Parrish, MD FAAAAI*  
*Pooja Varshney, MD FAAAAI*  
*Marion E. Groetch, MS RDN*  
*Christa Mills, MSN RN*  
*Morgan Peterman, APN*



## Seminars



- 3501 Infant Anaphylaxis: Special Considerations**    
 12:30 to 1:30 pm  
**Hyatt, Second Floor, Bowie B**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Michael Pistiner, MD MMSc*  
*Yamini V. Virkud, MD MA MPH FAAAAI*
- 3502 Problems in Diagnosis and Management of Insect Sting Allergy**    
 12:30 to 1:30 pm  
**Hyatt, Third Floor, Bonham B**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*David Golden, MD FAAAAI*  
*Theodore M. Freeman, MD FAAAAI*
- 3503 Problem-Based Learning (PBL) Approach to a Difficult Case of Chronic Cough**    
 12:30 to 1:30 pm  
**Hyatt, Third Floor, Bonham C**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Don A. Bukstein, MD FAAAAI*  
*Ray S. Davis, MD FAAAAI*
- 3505 COVID-19 Testing: What is the Role of the Allergist/Immunologist in Guiding Clinical Testing?**    
 12:30 to 1:30 pm  
**Hyatt, Third Floor, Bonham E**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Charles F. Schuler, MD*  
*Stephanie L. Ward, MD FAAAAI*
- 3506 Addressing Food Allergy-Related, Life Threatening Reactions and Fatalities**    
 12:30 to 1:30 pm  
**Hyatt, Third Floor, Travis A**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Melissa M. Watts, MD MPH*  
*Timothy E. Dribin, MD*



## Seminars (continued)



**3507** **Quality Improvement, Big Data and Healthcare Outcomes: How to Leverage Partnerships to Advance Quality Care**    
 12:30 to 1:30 pm  
**Hyatt, Third Floor, Travis C**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Sujani S. Kakumanu, MD FAAAAI*  
*Paige G. Wickner, MD MPH FAAAAI*

**3508** **When Should Endoscopic Sinus Surgery Be Considered for Chronic Rhinosinusitis Patients?**    
 12:30 to 1:30 pm  
**Hyatt, Third Floor, Presidio B**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Kent Lam, MD*  
*Amber U. Luong, MD PhD*

**3509** **The Role of Mast Cells in Allergic Disease: Old Cells with New Tricks**    
 12:30 to 1:30 pm  
**Hyatt, Fourth Floor, Crockett A**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Nives Zimmermann, MD FAAAAI*  
*Cem Akin, MD PhD FAAAAI*

**3510** **Genetics of Atopy: Is Hyper-IgE Different from Allergy?**    
 12:30 to 1:30 pm  
**Hyatt, Fourth Floor, Crockett C**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Joshua D. Milner, MD FAAAAI*  
*Jennifer Heimall, MD FAAAAI*



**3511** **Digital Health Interventions Improve the Collection of Asthma Patient-Reported Outcomes (PROs)**    
 12:30 to 1:30 pm  
**Hyatt, Fourth Floor, Republic B**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Christopher D. Codispoti, MD PhD FAAAAI*  
*Sindhura Bandi, MD FAAAAI*

**3512** **Allied Health: Diagnostic Quandaries: Is it an Immunodeficiency?**    
 12:30 to 1:30 pm  
**Convention Center, Meeting Room Level, Room 212B**  
 Pre-registration and ticket required. Fee: \$20.  
 Credits: 1.00 CME/CE  
*Brenda L. Snyder, MSN RN CPNP*  
*Kristin Epland, NP*

**3513** **Allied Health: Beyond the Muffin: Expanding the Diet with the Baked Milk and Baked Egg Cookbook Authors**  

12:30 to 1:30 pm  
**Convention Center, Meeting Room Level, Room 212A**  
 Pre-registration and ticket required. Fee: \$20.  
 Credits: 1.00 CME/CE  
*Allison M. Schaible, RDN*  
*Wendy Elverson, RD LDN*

## Symposium

**3521** **National Heart, Lung and Blood Institute (NHLBI): Managing Asthma in Older Adults**    
 12:30 to 1:45 pm  
**Convention Center, Ballroom Level, Stars at Night B1**  
 Credits: 1.25 CME/CE

**12:30** **Introduction**  
*James P. Kiley, PhD*

**12:35** **Community Health Worker Intervention in Older Adults with Asthma**  
*Andrea J. Apter, MD MA MSc FAAAAI*

**12:55** **Introduction**  
*James P. Kiley, PhD*

**1:00** **Depression in Older Adults with Asthma**  
*Paula J. Busse, MD FAAAAI*

**1:20** **Introduction**  
*James P. Kiley, PhD*

**1:25** **Cognitive, Anatomic and Biomarker Changes in Older Adults with Asthma**  
*Nizar N. Jarjour, MD*

## Workshops



**3523** **Tea with the Professor**  
 12:30 to 1:45 pm  
**Convention Center, Meeting Room Level, Room 207A**  
 Credits: 1.25 CME/CE

**12:30** **Drug Allergy**  
*Kimberly G. Blumenthal, MD MSc FAAAAI*

**12:30** **Allergic Skin Diseases**  
*Luz S. Fonacier, MD FAAAAI*

**12:30** **Anaphylaxis**  
*Julie Wang, MD FAAAAI*

## Workshops (continued)

- 3524 Spirometry in the Office: Implementing the American Thoracic Society (ATS)/European Respiratory Society (ERS) Guidelines for Performance, Interpretation and Reporting**    
 12:30 to 1:45 pm  
**Convention Center, Meeting Room Level, Room 206B**  
 Pre-registration and ticket required. Fee: \$20.  
 Credits: 1.25 CME/CE
- 12:30 Introduction**  
*Derek M. Smith, MD*
- 12:35 Spirometry in the Office: Implementing the American Thoracic Society (ATS)/European Respiratory Society (ERS) Guidelines for Performance, Interpretation and Reporting**  
*James M. Quinn, MD FAAAAI*  
*Karla E. Adams, MD FAAAAI*  
*Kevin M. White, MD*


## Debates

- 3551 Is There a Role for Aeroallergen Immunotherapy in the Treatment of Eosinophilic Esophagitis (EoE)?**   
 12:30 to 1:30 pm  
**Convention Center, Ballroom Level, Hemisfair C1**  
 Credits: 1.00 CME/CE
- 12:30 Introduction**  
*Punita Ponda, MD FAAAAI*
- 12:35 Subcutaneous Immunotherapy Does Not Improve Symptoms from Eosinophilic Esophagitis**  
*Fred D. Atkins, MD FAAAAI*
- 1:00 Subcutaneous Immunotherapy Is Helpful in the Treatment of Eosinophilic Esophagitis**  
*Maureen E. Bauer, MD FAAAAI*
- 1:25 Question & Answer Facilitation**  
*Punita Ponda, MD FAAAAI*
- 3552 Biologics Should Be Used Before Aspirin Desensitization in Aspirin Exacerbated Respiratory Disease (AERD)**   
 12:30 to 1:30 pm  
**Convention Center, Ballroom Level, Stars at Night B4**  
 Credits: 1.00 CME/CE
- 12:30 Introduction**  
*Patricia A. Takach, MD FAAAAI*
- 12:35 Biologics Should Be Used Before Aspirin Desensitization in AERD**  
*Tanya M. Laidlaw, MD FAAAAI*
- 1:00 Biologics Should Not Be Used Before Aspirin Desensitization in AERD**  
*Andrew A. White, MD FAAAAI*
- 1:25 Question & Answer Facilitation**  
*Patricia A. Takach, MD FAAAAI*

## Interesting Case Workshop

- 3557 Interesting Cases: Immunology**  
 12:30 to 1:45 pm  
**Convention Center, Ballroom Level, Room 304A**  
 Credits: 1.25 CME/CE
- 12:30 Introduction**  
*Lulu Tsao, MD*
- 12:35 EBV+ Diffuse Large B Cell CNS Lymphoma as a Complication of IL2RG SCID**  
*Rebecca Koenigsberg, DO*
- 12:45 A Perilous Mistake: Methotrexate-induced Epidermal Necrosis Mimicking Stevens Johnson Syndrome**  
*Prarthana Patel, MD*
- 12:55 Severe CD4 Lymphopenia in a Patient with TRAF3 Haploinsufficiency**  
*Tomara K. Spiess, MD*
- 1:05 X-linked Chronic Granulomatous Disease with Hemophagocytic Lymphohistiocytosis and McLeod Phenotype**  
*Allison Weisnicht, MD*
- 1:15 A Case of Hypocalcemic Tetany in a Patient with X-linked Agammaglobulinemia**  
*Ashley Y. Wu, MD*
- 1:25 Question & Answer Facilitation**  
*Lulu Tsao, MD*

## Oral Abstract Sessions

- 3601 Novel Insights into Atopic Dermatitis**   
 2:00 to 3:15 pm  
**Convention Center, Ballroom Level, Stars at Night B4**  
 Credits: 1.25 CME/CE  
*Moderators: Peck Y. Ong, MD FAAAAI*  
*Katherine L. Tuttle, MD*
- 2:05 Cancer Risk With Topical Pimecrolimus and Tacrolimus For Atopic Dermatitis: Systematic Review and Bayesian Meta-Analysis**  
*Alexandro Chu, BHSc*
- 2:15 Low non-lesional filaggrin mediates longitudinal Staphylococcus aureus skin colonization, leading to worse atopic dermatitis clinical outcomes in the MPAACH cohort**  
*Arya Dahal*
- 2:25 Stratum corneum lipid biomarkers at two months of age predict future onset of atopic dermatitis**  
*Evgeny Berdyshev, PhD*
- 2:35 Association of Atopic Dermatitis with Proximity to Major Roads**  
*Michael Z. Nevid, MD*
- 2:45 Crosstalk between Aryl Hydrocarbon Receptor (AHR) Pathway and IL-13 Signaling in Human Keratinocytes and Implications for Atopic Dermatitis**  
*Steven P. Proper, PhD DO*

## Oral Abstract Sessions (continued)

- 3602 Asthma Diagnosis and Therapy** ▼  
 2:00 to 3:15 pm  
**Convention Center, Ballroom Level, Hemisfair C1**  
 Credits: 1.25 CME/CE  
*Moderators: Sharmilee M. Nyenhuis, MD FAAAAI  
 Paul V. Williams, MD FAAAAI*
- 2:05 Tezepelumab Reduces Exacerbations Across All Seasons In Patients With Severe, Uncontrolled Asthma With Seasonal Allergy: Results From The Phase 3 NAVIGATOR Study**  
*Jonathan Corren, MD*
- 2:15 Lebrikizumab Decreases Inflammatory Biomarkers in Patients with Asthma: Data from Randomized Phase 3 Trials (LAVOLTA I and II)**  
*Stanley J. Szefler, MD FAAAAI*
- 2:25 Objective Assessment of Nighttime Cough in Uncontrolled Asthma Does Not Correlate with Patient Self-Reported Symptoms**  
*David A. Stempel, MD FAAAAI*
- 2:35 Dupilumab Reduces Exacerbations And Improves Lung Function In Children (6â€“11 Years) With Moderate-To-Severe Asthma And High Eosinophils**  
*Daniel J. Jackson, MD FAAAAI*
- 2:45 Dupilumab Reduces Exacerbations And Improves Lung Function Regardless Of Prior Asthma Exacerbation Status: LIBERTY ASTHMA TRAVERSE Open-Label Extension Study**  
*Alberto Papi, MD*
- 3603 COVID-19 Vaccination and Infection in Patients with Primary Immunodeficiency Disorders** LIVE ▼  
 2:00 to 3:15 pm  
**Convention Center, Ballroom Level, Stars at Night B1**  
 Credits: 1.25 CME/CE  
*Moderators: Michael Keller, MD  
 Jessica R. Durkee-Shock, MD*
- 2:05 Kinetics of Response to Severe Acute Respiratory Syndrome Coronavirus 2 Vaccine Doses in Patients With Predominant Antibody Deficiency**  
*Daniel V. DiGiacomo, MD MPH*
- 2:15 Response to Severe Acute Respiratory Syndrome Coronavirus 2 Initial Series Vaccine in Pediatric Patients with Predominant Antibody Deficiency**  
*Megha Tandon*
- 2:25 Description of COVID-19 infection in 92 patients with primary or secondary immunodeficiency followed at the Immunodeficiency Outpatient Clinic of a tertiary hospital**  
*Guacira R. Franco*
- 2:35 Tixagevimab and Cilgavimab (Evusheld â€“ AstraZeneca) efficacy in preventing COVID infection in immunocompromised patients**  
*Christelle Miot, MD*
- 2:45 Assessing SARS-CoV-2 Antigen Specific T-cell Responses After mRNA Vaccination and/or Omicron Variant COVID-19 Infection in Patients with Primary Humoral Immunodeficiencies**  
*David A. Sanchez, MD*

- 3604 The Many Faces of Fungi** ▼  
 2:00 to 3:15 pm  
**Convention Center, Meeting Room Level, Room 225C**  
 Credits: 1.25 CME/CE  
*Moderators: Tara L. Croston, PhD  
 Angela R. Lemons, MS*
- 2:05 Developing a chronic model of Candida albicans cerebral mycosis through gut colonization**  
*Lynn H. Bimler*
- 2:15 Comparing Fungal Aeroallergen Hypersensitivity in Adult versus Pediatric Populations: A Systematic Review**  
*Maxwell Green*
- 2:25 The contribution of yeasts to occupant exposure in an office building with water incursion**  
*Angela R. Lemons, MS*
- 2:35 Proteomic evaluation of spore and hyphae proteomes of Alternaria alternata**  
*Michael B. Strader, PhD*
- 3605 Eosinophilic Esophagitis: Pathogenesis and Therapy** ▼  
 2:00 to 3:15 pm  
**Convention Center, Ballroom Level, Stars at Night B2**  
 Credits: 1.25 CME/CE  
*Moderator: Ari J. Fried, MD*
- 2:05 Dupilumab suppresses type 2 biomarkers of inflammation in patients with eosinophilic esophagitis: from Part B of LIBERTY-EoE-TREET**  
*Ikko Hirano*
- 2:15 Predictive Histologic Markers For Long-term Pediatric Eosinophilic Esophagitis**  
*Ayse B. Kolemen*
- 2:25 Major depression and Suicide: A Common Comorbidity of Eosinophilic Esophagitis**  
*Victoria T. Nguyen, DO*
- 2:35 Dysregulated interferon signaling in EoE has potential implications for esophageal epithelial cell function**  
*Melanie A. Ruffner, MD PhD*
- 2:45 Dupilumab improves type 2 comorbidity outcomes in patients with eosinophilic esophagitis and comorbid disease at baseline: from Parts A and B of LIBERTY-EoE-TREET**  
*Jonathan M. Spergel, MD PhD FAAAAI*

## Oral Abstract Sessions (continued)

- 3606** **Quality of Life and Behavioral Intervention in the Treatment of Allergic Disease** ▼  
 2:00 to 3:15 pm  
**Convention Center, Ballroom Level, Room 302A**  
 Credits: 1.25 CME/CE  
*Moderator: Andrea A. Pappalardo, MD FAAAAI*
- 2:05** **Efficacy of a 6-Month Online Market Platform in Addressing Food Insecurity and Supporting Food Allergy Management in Predominantly Spanish-speaking and Low-income communities During the COVID-19 Pandemic**  
*Marleni Albarran*
- 2:15** **Effects of Insurance Status on Infantile Atopic Dermatitis Severity and Parental Quality of Life**  
*Megan Bannon, MD*
- 2:25** **Normative Data for the Impairment Measure for Parental Food Allergy-Associated Anxiety and Coping Tool (IMPAACT) in a Canadian Sample**  
*Michael A. Golding, MA*
- 2:35** **Acceptability, feasibility, and initial results from a behavioral intervention for early adolescents with food allergy: The Food Allergy Mastery Program**  
*Linda Herbert, PhD*
- 2:45** **Assessing the Family-Level Impact of Pediatric Food Allergy: Development of the PEACH Tool**  
*Kaitlin B. Proctor, PhD*
- 3607** **Updates in Chronic Rhinosinusitis and Nasal Polyps** ▼  
 2:00 to 3:15 pm  
**Convention Center, Ballroom Level, Room 301A**  
 Credits: 1.25 CME/CE  
*Moderators: Kathleen M. Buchheit, MD FAAAAI  
 Mahboobeh Mahdavinia, MD PhD*
- 2:05** **Oral Corticosteroid Burden and Healthcare Resource Utilization (HCRU) in Patients with Chronic Rhinosinusitis with Nasal Polyps (CRSwNP) Undergoing Functional Endoscopic Sinonasal Surgery (FESS): A Real-World Retrospective Cohort Study**  
*Danielle L. Isaman*
- 2:15** **Characteristics of Patients with Chronic Rhinosinusitis with Nasal Polyps (CRSwNP) Who Did or Did Not Undergo Functional Endoscopic Sinus Surgery (FESS) in a US Real-World Retrospective Cohort Study**  
*Asif Khan*
- 2:25** **Antecedent chronic rhinosinusitis is a risk factor for the development of bronchiectasis**  
*So Lim Kim, MD*
- 2:35** **A Minimally Invasive Sinonasal Swab Sampling Method and Eosinophil Peroxidase Activity Assay Accurately Predicts Tissue Eosinophilia in Chronic Rhinosinusitis**  
*Kristine A. Smith*
- 2:45** **Eosinophil, mast cell and basophil microparticle in nasal lavage fluids as potential biomarkers for type 2 inflammation in chronic rhinosinusitis with nasal polyps**  
*Toru Takahashi, MD PhD*

- 3608** **Novel Mast Cell Targets to Treat Allergic Disease** ▼  
 2:00 to 3:15 pm  
**Convention Center, Meeting Room Level, Room 221C**  
 Credits: 1.25 CME/CE  
*Moderators: Cem Akin, MD PhD FAAAAI  
 Angela Haczku, MD PhD FAAAAI*
- 2:05** **Efficacy and Safety of Avapritinib in Indolent Systemic Mastocytosis (ISM): Results from the Double Blinded Placebo-Controlled PIONEER Study**  
*Mariana C. Castells, MD PhD*
- 2:25** **MOD000001, a Novel Highly Selective and Orally Available KIT Inhibitor, Suppresses Passive Cutaneous Anaphylactic (PCA) Reaction and Food Allergy in Mice**  
*Atsuhito Nakao*
- 2:35** **Identification of MOD000001, A Novel Highly Selective and Orally Available KIT Inhibitor Designed for Treatment of Mast Cell-Associated Disorders**  
*Takeo Urakami*
- 2:45** **MRGPRX2 Antagonist EP262 Potently Inhibits Agonist-Induced Mast Cell Degranulation In Vitro and In Vivo**  
*Joshua Wollam*
- 3609** **Improving the Care of Patients with Beta-Lactam Allergies** ▼  
 2:00 to 3:15 pm  
**Convention Center, Ballroom Level, Hemisfair C3**  
 Credits: 1.25 CME/CE  
*Moderators: Eric M. Macy, MD FAAAAI  
 Jason Kwah, MD*
- 2:05** **A Quality Improvement Intervention to Enhance Cephalosporin Utilization for Surgical Prophylaxis in Reported Penicillin Allergy**  
*Ami Belmont, MD*
- 2:15** **Inpatient Direct Oral Penicillin Challenge “A Large Prospective Cohort Study**  
*Kyra YL. Chua, MBBS, PhD*
- 2:25** **Efficacy and Safety of a Direct Challenge Standard Operating Procedure for Low Risk Reactions in Children to Antibiotics**  
*Grace Koo, MD*
- 2:35** **Associations Between Neonatal Beta-Lactam Exposure and Adverse Drug Reactions by Age 5 Years**  
*Benjamin C. Stewart-Bates, DO*
- 2:45** **A Shorter Time to DRESS “Redefining Beta-lactam associated drug reaction with eosinophilia and systemic symptoms**  
*Fiona James*



## Oral Abstract Sessions (continued)

- 3611 Late Breaking Oral Abstract Session: Clinical Science** ▼  
 2:00 to 3:15 pm  
**Convention Center, Ballroom Level, Room 304A**  
 Credits: 1.25 CME/CE  
*Moderators: Edwin Kim, MD FAAAAI*  
*Corinne Keet, MD MS PhD*
- 2:05 Biologic Pathways Involved In Hereditary Angioedema And Response To Ruconest® Treatment during prodrome and attack**  
*Debajyoti Ghosh, PhD FAAAAI*
- 2:10 Reproduction of HLA-A\*32:01 and other genetic and ecological factors associated with Vancomycin Drug Reaction With Eosinophilia And Systemic Symptoms in An Electronic Health Record-Based Study**  
*Matthew S. Krantz, MD*
- 2:25 Avapritinib Improved Skin Findings In Patients With Indolent Systemic Mastocytosis (ISM) In the Registrational, Double-Blind, Placebo Controlled PIONEER Study**  
*Marcus Maurer, MD*
- 2:35 Gut Microbiome Membrane Lipids and Bile Acids Relate to Peanut Oral Immunotherapy Outcomes**  
*Mustafa Ozcam, PhD*
- 2:45 Understanding experiences, barriers, and facilitators of safe airline travel—A global survey of food allergy patients and caregivers**  
*Christopher M. Warren, PhD*
- 2:55 Long-term treatment with remibrutinib shows favorable safety profile and sustained efficacy in patients with chronic spontaneous urticaria: Final results from the 52-week phase 2b extension study**  
*Warner W. Carr, MD FAAAAI*

## Interest Section Forums

- 3701 ADDA: The Role of Pollutants in the Dysbiosis of Atopic Dermatitis** ▼  
 3:30 to 4:30 pm  
**Convention Center, Meeting Room Level, Room 217C**  
 Credits: 0.50 CME/CE
- 3:30 Business Meeting**  
*Kimberly G. Blumenthal, MD MSc FAAAAI*
- 4:00 The Role of Pollutants in the Dysbiosis of Atopic Dermatitis**  
*Ian A. Myles, MD MPH*
- 3702 ADT: Food as Medicine: An Emerging Treatment for Asthma** ▼  
 3:30 to 4:30 pm  
**Convention Center, Meeting Room Level, Room 221C**  
 Credits: 0.50 CME/CE
- 3:30 Business Meeting**  
*Sharmilee M. Nyenhuis, MD FAAAAI*
- 4:00 An Emerging Treatment for Asthma**  
*Sharmilee M. Nyenhuis, MD FAAAAI*

- 3703 BCI: I Found a Handful of Variants of Uncertain Significance (VUS), Now What?** ▼  
 3:30 to 4:30 pm  
**Convention Center, Meeting Room Level, Room 214C**  
 Credits: 0.50 CME/CE
- 3:30 Business Meeting**  
*Rebecca Scherzer, MD FAAAAI*
- 4:00 I Found a Handful of Variants of Uncertain Significance (VUS), Now What?**  
*Ivan Chinn, MD*
- 3704 EORD: Is Your Job Making You Sick? Approach to the Patient with Occupational Asthma** ▼  
 3:30 to 4:30 pm  
**Convention Center, Ballroom Level, Room 302A**  
 Credits: 0.50 CME/CE
- 3:30 Business Meeting**  
*Jay M. Portnoy, MD FAAAAI*
- 4:00 Is Your Job Making You Sick? Approach to the Patient with Occupational Asthma**  
*David I. Bernstein, MD FAAAAI*
- 3705 FAED: Food Allergy: Then and Now** ▼  
 3:30 to 4:30 pm  
**Convention Center, Ballroom Level, Hemisfair C1**  
 Credits: 0.50 CME/CE
- 3:30 Business Meeting**  
*Amal H. Assa'ad, MD FAAAAI*
- 4:00 Food Allergy: Then and Now**  
*Hugh A. Sampson, MD FAAAAI*  
*Thomas B. Casale, MD FAAAAI*  
*S. Allan Bock, MD FAAAAI*
- 3706 HETQ: AI for AI: Artificial Intelligence in Allergy/Immunology** ▼  
 3:30 to 4:30 pm  
**Convention Center, Ballroom Level, Room 301A**  
 Credits: 0.50 CME/CE
- 3:30 Business Meeting**  
*Princess U. Ogbogu, MD FAAAAI*
- 4:00 AI for AI: Artificial Intelligence in Allergy/Immunology**  
*Paneez Khoury, MD MHSc FAAAAI*
- 3707 IRSO: A Panel of Experts for Guidance of Biologics in Chronic Rhinosinusitis with Nasal Polyps (CRSwNP)** ▼  
 3:30 to 4:30 pm  
**Convention Center, Meeting Room Level, Room 225C**  
 Credits: 0.50 CME/CE
- 3:30 Business Meeting**  
*Patricia A. Takach, MD FAAAAI*
- 4:00 Omalizumab**  
*Claus Bachert, MD PhD*
- 4:00 Mepolizumab**  
*Peter W. Hellings, MD*
- 4:00 Dupilumab**  
*Tanya M. Laidlaw, MD FAAAAI*

## Interest Section Forums (continued)

- 3708** **MAAI: Innate Lymphoid Cells in Mucosal Immunity** ▼  
3:30 to 4:30 pm  
**Convention Center, Ballroom Level, Room 304A**  
Credits: 0.50 CME/CE
- 3:30** **Business Meeting**  
*Roma Sehmi, PhD FAAAAI*
- 4:00** **Innate Lymphoid Cells in Mucosal Immunity**  
*Randy Longman, MD PhD*

## Featured Poster Sessions

4:45 to 6:15 pm  
**Convention Center, Lobby Level, Hall 2**  
Credits: 0.0 CME/CE  
Please refer to the 2023 AAAAI Annual Meeting Mobile App or [www.jacionline.org](http://www.jacionline.org) for abstract details.

- 636-637** **Allied Health Featured Poster**
- 638-642** **ADDA Highlights 2023**
- 643-647** **Infant and Neonatal Influences on Asthma**
- 648-652** **Inborn Errors of Immunity**
- 653-657** **Basic and Translational Research Models to Examine Health Effects of Environmental Exposures**
- 658-662** **From IgE Mediated Reaction to Eosinophilic Esophagitis Passing by Food Protein-Induced Enterocolitis Syndrome**
- 663-667** **Quality Improvement in Food Allergy, Anaphylaxis and Primary Immunodeficiency Management**
- 668-672** **Nasal Polyposis: Mechanisms and Novel Treatment Options**
- 673-677** **Regulation of Adaptive Immunity to Allergens**

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AAAAI FOUNDATION



# FACULTY DEVELOPMENT AWARD

2024

## 2024 AWARD TIMELINE

<b>Letter of Intent Opens:</b>	<b>July 2023</b>
<b>Letter of Intent Due:</b>	<b>September 2023</b>
<b>Top Finalists Notified:</b>	<b>September 2023</b>
<b>Complete Applications Due:</b>	<b>November 2023</b>
<b>Review Results Announced:</b>	<b>December 2023</b>

This mentored award provides up to \$240,000 in funding over a three-year period and is intended to support the development of careers in Allergy and Immunology. Multiple awards will be made to further the development of junior faculty into independent investigators by funding excellent research that leads to the prevention and cure of asthma and allergic and immunologic diseases.

The AAAAI Foundation is especially interested in funding health equity research as it applies to allergy and immunology, as well as research that promotes awareness of diversity and inclusivity within the field of allergy and immunology.

The AAAAI Foundation is committed to increasing ethnic and racial diversity in the A/I field, and strongly encourages minority applicants to apply. Further, the AAAAI Foundation is committed to geographic diversity in the A/I field, and strongly encourages applications from diverse geographic areas. To learn more please visit [aaaai.org/About/AAAAI-Diversity-Equity-and-Inclusion-Statement](https://aaaai.org/About/AAAAI-Diversity-Equity-and-Inclusion-Statement)

### Eligibility:

- Must be board certified in A/I by the American Board of Allergy and Immunology (ABAI) or hold the equivalent certification from the Royal College of Physicians and Surgeons of Canada (RCPSC).
- At the time of Letter of Intent, applicant must be no more than 5 years post the ACGME mandated training program requirement of 2 years in A/I.
- Primary faculty appointment must be in the discipline of A/I and the applicant needs to have a current mentor.
- One of the following degrees: MD, MD/PhD, DO, DO/PhD.
- Applicants must be citizens or permanent residents of the United States or Canada.
- Applicants must be AAAAI members or submit a membership application prior to submitting a Letter of Intent.
- No program can have more than 2 active Foundation Faculty Development Awards.
- A sponsoring university or institution that has multiple A/I training programs cannot have more than three active awards.

**Award term is July 1, 2024 to June 30, 2027.**

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6:00 AM	
7:00 AM	
8:00 AM	<div>Seminars (Hyatt) 7:00 - 8:00 am</div>
9:00 AM	<div>AAAAI Business Meeting 8:15 - 9:15 am</div>
10:00 AM	<div>Plenary 9:30 - 11:00 am</div>
11:00 AM	
12:00 PM	<div>Symposia 11:15 am - 12:30 pm</div>
1:00 PM	
2:00 PM	<div>Oral Abstracts 12:45 - 2:00 pm</div>
3:00 PM	<div>Seminars (Hyatt) 2:15 - 3:15 pm</div> <div>Workshops 2:15 - 3:30 pm</div>
4:00 PM	
5:00 PM	
6:00 PM	


Registration 6:30 am - 3:00 pm

## Seminars

- 4002 Shared Decision Making for Food Allergy Therapy: Practical Steps**    
 7:00 to 8:00 am  
**Hyatt, Third Floor, Bonham C**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Aikaterini Anagnostou, MD MSc PhD FAAAAI*  
*Christina E. Ciaccio, MD FAAAAI*
- 4003 Starting Penicillin Allergy Evaluations: Tools for Risk Assessment at Point of Care**    
 7:00 to 8:00 am  
**Hyatt, Third Floor, Bonham D**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Jason Trubiano, MD FAAAAI*  
*Allison C. Ramsey, MD FAAAAI*  
*Kelli W. Williams, MD MPH FAAAAI*
- 4005 Beyond IL-1: Novel Autoinflammatory Disorders**    
 7:00 to 8:00 am  
**Hyatt, Third Floor, Travis A**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Lori Broderick, MD PhD*  
*Raphaela T. Goldbach-Mansky, MD MHS*
- 4006 Coming of Age: Neutrophils and Asthma**    
 7:00 to 8:00 am  
**Hyatt, Third Floor, Travis C**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Mitchell H. Grayson, MD FAAAAI*  
*Larry Borish, MD FAAAAI*
- 4007 Integrative Medicine Treatment Modalities for Long COVID-19**    
 7:00 to 8:00 am  
**Hyatt, Third Floor, Presidio B**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Maria Luz L. Lara-Marquez, MD PhD FAAAAI*  
*Renata J. Engler, MD FAAAAI*
- 4008 Selection of Biologics for Treatment of the Unified Airway**    
 7:00 to 8:00 am  
**Hyatt, Fourth Floor, Crockett A**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Anjeni Keswani, MD FAAAAI*  
*Kathleen M. Buchheit, MD FAAAAI*
- 4009 Mechanisms of Allergic Sensitization**    
 7:00 to 8:00 am  
**Hyatt, Fourth Floor, Crockett C**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Timothy P. Moran, MD PhD FAAAAI*  
*Stephanie C. Eisenbarth, MD PhD*


- 4010 Allergy to Biomedical Implants**    
 7:00 to 8:00 am  
**Hyatt, Fourth Floor, Republic B**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Sarita U. Patil, MD FAAAAI*  
*Karin A. Pacheco, MD MSPH FAAAAI*

## Plenary

- 4101 Food Allergy Insights: Novel Observations in the Diagnosis and Management of Food Allergy**    
 9:30 to 11:00 am  
**Convention Center, Lobby Level, Hall 2**  
 Credits: 1.50 CME/CE
- 9:30 Introduction**  
*Amal H. Assa'ad, MD FAAAAI*
- 9:35 Expanding Our Understanding of Food Allergy: Common But Not Equal in all Races**  
*Ruchi S. Gupta, MD MPH*
- 10:00 Introduction**  
*Amal H. Assa'ad, MD FAAAAI*
- 10:05 T Cell Suppression in Peanut Oral Immunotherapy**  
*Wayne Shreffler, MD PhD FAAAAI*
- 10:30 Introduction**  
*Amal H. Assa'ad, MD FAAAAI*
- 10:35 Expanding the Therapeutic Repertoire in Oral Immunotherapy: Novel Knowledge and Implementation**  
*Kari C. Nadeau, MD PhD FAAAAI*



## Symposia

**4301 Th2 Skin Diseases: Atopic Dermatitis and Beyond**  **LIVE**  
 11:15 am to 12:30 pm  
**Convention Center, Lobby Level, Hall 2**  
 Credits: 1.25 CME/CE


**11:15 Introduction**  
*Ellen R. Sher, MD FAAAAI*

**11:20 Thermoreceptor Control of Pollution Response in Atopic Dermatitis**  
*Ian A. Myles, MD MPH*

**11:40 Response to Biologics in Other Th2 Skin Diseases**  
*Emma Guttman-Yassky, MD PhD*

**12:00 Cutaneous Adverse Events to Check Point Inhibitors**  
*Donald Y.M. Leung, MD PhD FAAAAI*

**12:20 Question & Answer Facilitation**  
*Ellen R. Sher, MD FAAAAI*

**4302 Current Medical, Behavioral and Surgical Interventions for Treatment Modalities for Chronic Cough**   
 11:15 am to 12:30 pm  
**Convention Center, Ballroom Level, Room 304A**  
 Credits: 1.25 CME/CE


**11:15 Introduction**  
*Anil Nanda, MD FAAAAI*

**11:20 Current Medical and Surgical Interventions as Treatment Modalities for Chronic Cough**  
*Meera R. Gupta, MD FAAAAI*

**11:40 New Medical Modalities for the Management of Chronic Cough**  
*Peter Dicipinagaitis, MD*

**12:00 Surgical Modalities for Management of Chronic Cough**  
*Brandon Baird*

**12:20 Question & Answer Facilitation**  
*Anil Nanda, MD FAAAAI*

**4303 Mechanisms of Immediate Drug-Induced Hypersensitivity Reaction**  **LIVE**  
 11:15 am to 12:30 pm  
**Convention Center, Ballroom Level, Stars at Night B4**  
 Credits: 1.25 CME/CE


**11:15 Introduction**  
*Elizabeth J. Phillips, MD FAAAAI*

**11:20 IgE-mediated Immediate Drug-Induced Hypersensitivity Reactions**  
*Melanie C. Dispenza, MD PhD*

**11:40 Non-IgE-mediated Immediate Drug-Induced Hypersensitivity Reactions**  
*Santiago Alvarez-Arango, MD*

**12:00 Vaccine-mediated Immediate Hypersensitivity Reactions**  
*Kimberly G. Blumenthal, MD MSc FAAAAI*

**12:20 Question & Answer Facilitation**  
*Elizabeth J. Phillips, MD FAAAAI*


**4304 Neuroimmunology of Allergic Disease**   
 11:15 am to 12:30 pm  
**Convention Center, Meeting Room Level, Room 221C**  
 Credits: 1.25 CME/CE

**11:15 Introduction**  
*Brian S. Kim, MD MTR*

**11:40 Nociceptor Neurons Drive B Cell Activity**  
*Sebastien Talbot, PhD*

**12:00 Neuro-Immune Circuits Driving Allergic Inflammation**  
*Caroline L. Sokol, MD PhD FAAAAI*

**12:20 Question & Answer Facilitation**  
*Brian S. Kim, MD MTR*

**4305 Technology and the Electronic Health Record in Allergy**   
 11:15 am to 12:30 pm  
**Convention Center, Meeting Room Level, Room 225C**  
 Credits: 1.25 CME/CE


**11:15 Introduction**  
*Benjamin T. Prince, MD MCSI FAAAAI*

**11:20 The Electronic Medical Record and Drug Allergy: From Assessment to Action**  
*Allison C. Ramsey, MD FAAAAI*

**11:40 Practical Recommendations for Proper Electronic Health Records (EHR) Documentation**  
*Eric M. Macy, MD FAAAAI*

**12:00 International Classification of Diseases (ICD) Coding and Natural Language Processing: Improving Understanding of Drug Allergy**  
*Dinah Foer, MD*

**12:20 Question & Answer Facilitation**  
*Young J. Juhn, MD MPH*

**4306 Comparative Effectiveness of Biologics and Advanced Therapeutics in Allergic Diseases**  **LIVE**  
 11:15 am to 12:30 pm  
**Convention Center, Ballroom Level, Stars at Night B1**  
 Credits: 1.25 CME/CE

**11:15 Introduction**  
*William C. Anderson, MD FAAAAI*



**11:20 Comparative Effectiveness of Biologics in the Treatment of Asthma**  
*Ayobami Akenroye, MD MPH*

**11:40 Comparative Effectiveness of Biologics in the Treatment of Chronic Rhinosinusitis (CRS) with Nasal Polyps (NP)**  
*Derek K. Chu, MD PhD*



**12:00 Comparative Effectiveness of Therapeutics in the Treatment of Atopic Dermatitis**  
*Emma Guttman-Yassky, MD PhD*


**12:20 Question & Answer Facilitation**  
*William C. Anderson, MD FAAAAI*

## Symposia (continued)

- 4307 Climate Change, its Effects on Aeroallergens and the Clinical Consequences**    
 11:15 am to 12:30 pm  
**Convention Center, Ballroom Level, Room 301A**  
 Credits: 1.25 CME/CE  
**11:15 Introduction**  
*German Dario D. Ramon, MD FAAAAI*  
**11:20 How Climate Change Affects Aeroallergens**  
*Andrew C. Rorie, MD FAAAAI*  
**11:40 Allergy Diagnostic Testing: Adapting to Climate Change**  
*Olga Luengo, MD PhD*  
**12:00 Optimal Selection of Allergens for Subcutaneous Immunotherapy: Cross-Reactivity, Molecular Markers, and Geographic Considerations**  
*Tolly I. Epstein, MD MS FAAAAI*  
**12:20 Question & Answer Facilitation**  
*German Dario D. Ramon, MD FAAAAI*

## Oral Abstract Sessions

- 4601 New Insights in Anaphylaxis 2023**    
 12:45 to 2:00 pm  
**Convention Center, Ballroom Level, Stars at Night B1**  
 Credits: 1.25 CME/CE  
*Moderator: David Golden, MD FAAAAI*  
**12:50 The BTK inhibitor acalabrutinib reduces or eliminates clinical reactivity during oral challenge to peanut in allergic adults**  
*Ragha V. Suresh, MD*  
**1:00 COVID-19 mRNA Vaccine-induced Immunization Stress-Related Response (ISRR) and Anaphylaxis: An Early Look at COVAAR Clinical Outcomes**  
*Muhammad B. Khalid, MD*  
**1:10 sCD14 and Intestinal Fatty Acid Binding Protein are Elevated in the Serum of Patients with Idiopathic Anaphylaxis.**  
*Hirsh D. Komarow, MD*  
**1:20 Systemic Reactions in Infants and Toddlers: A Prospective Study of Oral Food Challenge Outcomes**  
*Lourdes G. Ramirez, MD*  
**1:30 Persistent sex and race disparities in anaphylaxis mortality in the US, 1999 to 2020: an analysis of the CDC Multiple Cause of Death database**  
*Ingrid Saliccioli*

- 4602 Asthma and Airway Immunology**   
 12:45 to 2:00 pm  
**Convention Center, Meeting Room Level, Room 217C**  
 Credits: 1.25 CME/CE  
*Moderator: Jonathan Matz, MD FAAAAI*  
**12:50 Epithelial Barrier Defects in Pediatric Asthma**  
*Maria A. Forero Molina, MD*  
**1:00 CCL5 is a Potential Bridge Between Type 1 and Type 2 Inflammation in Asthma**  
*Marc Gauthier, MD*  
**1:10 Statin or PCSK9 Blocking Alleviate Airway Hyperresponsiveness and Lung Fibrosis In High Fat Diet Induced Obesity Mice**  
*Jung W. Park, MD*  
**1:20 Epithelial-Associated Inflammatory Pathways Underlie Residual Asthma Exacerbations in Urban Children Treated with Mepolizumab Therapy**  
*Sana Patel, MD*  
**1:30 Mucus Plugging and Regional Heterogeneity are Features of Asthmatic Small Airways**  
*Stephen A. Schworer, MD PhD*


- 4603 Top Topics in Basic and Clinical Immunology**   
 12:45 to 2:00 pm  
**Convention Center, Meeting Room Level, Room 225C**  
 Credits: 1.25 CME/CE  
*Moderator: Lisa R. Forbes Satter, MD PhD*  
**12:50 Hypogammaglobulinemia and Risk of Infectious Complications in Patients Receiving Idecabtagene vicleucel**  
*Sara Barmettler, MD*  
**1:00 Renal Complications in Patients with Predominant Antibody Deficiency in the United States Immune Deficiency Network (USIDNET)**  
*Emma Materne, MD*  
**1:10 Assessment of Autoantibodies and Autoreactive T-cells in Patients with Type 1 Diabetes for in Preparation for Cellular Immunotherapy**  
*Andrei Y. Hancharou*  
**1:20 Late Survival after Hematopoietic Stem Cell Transplantation for Chronic Granulomatous Disease in a Single-Center Cohort**  
*Whitney Reid, MD*  
**1:30 Variations in AH50 Results**  
*Isma Shah, MD MS*

## Oral Abstract Sessions (continued)






- 4604 Intersection of the Environment and the Airways** ▼  
 12:45 to 2:00 pm  
**Convention Center, Ballroom Level, Room 301A**  
 Credits: 1.25 CME/CE  
*Moderator: Neil Alexis, PhD*
- 12:50 Severe work-related asthma from gum arabic exposure in a bubblegum factory worker**  
*Felix Chan, MD*
- 1:00 Asthma-Related Emergency Department Visits in Texas: Associations with Viruses and Allergenic Pollen**  
*Daniel S. Katz, PhD*
- 1:10 Vocal Cord Dysfunction: Do Infections Drive Disease?**  
*Jen A. Luedders, MD*
- 1:20 Asthma Mortality Among Ever-Employed Persons Aged ≥15 Years, by Industry and Occupation**  
*Jacek Mazurek, MD PhD*
- 1:30 Incidence of Herpes Zoster in Patients with Asthma Compared to Patients without Asthma: A Retrospective Database Study**  
*David Singer*
- 4605 Mechanisms of Food Allergy** LIVE ▼  
 12:45 to 2:00 pm  
**Convention Center, Ballroom Level, Stars at Night B4**  
 Credits: 1.25 CME/CE  
*Moderator: Cecilia Berin, PhD*
- 12:50 Basophil Activation Test Demonstrates Immunologically Active Ara h 2 in Human Milk**  
*Amy D. Burris, MD*
- 1:00 The Intestinal Adipokine Resistin-like Molecule Beta Is Dysregulated In Children With Food Allergy**  
*Elena Crestani, MD MS*
- 1:10 IRL201104, A Novel Immunomodulatory Peptide, Shows A Long Lasting Reduction In Anaphylaxis Symptoms And Allergy Biomarkers In A Murine Model Of Food Allergy**  
*Jorge De Alba, PhD*
- 1:20 Transcriptomic Evidence of Dysregulated Interferon Pathways in Infants at High-Risk for Peanut Allergy**  
*Lauren M. Gunderman, MD*
- 1:30 Inhibition of Pathologic Immunoglobulin E In Food Allergy by EBF2 and Active Compound Berberine Associated with Immunometabolism Regulation**  
*Anish R. Maskey, PhD*

- 4606 Healthcare Outcomes and Economics** ▼  
 12:45 to 2:00 pm  
**Convention Center, Ballroom Level, Room 302A**  
 Credits: 1.25 CME/CE  
*Moderator: William C. Anderson, III, MD FAAAAI*
- 12:50 Unidos Hablemos de: Engaging Hispanic Patients in Patient Centered Outcomes Research and Clinical Effectiveness Research (PCOR/CER)**  
*De De Gardner, DrPH RRT*
- 1:00 Cost-effectiveness of as-needed budesonide-formoterol versus over-the-counter as-needed inhaled epinephrine in adults with mild asthma in the US**  
*Joseph K. Ho*
- 1:10 Comparing Outcomes between HEDIS Persistent Asthma Definition and a Non-Restrictive Model**  
*Joshua Walls, MD*
- 1:20 Resident perspectives on early allergenic food introduction**  
*Kylie N. Jungles, MD*
- 1:30 The Association Between Child Food Allergy and Food Insecurity in the Family Unit**  
*Elsa R. Treffeisen, MD*
- 4607 The Role of Microbiome in Allergic Disease** ▼  
 12:45 to 2:00 pm  
**Convention Center, Ballroom Level, Room 304A**  
 Credits: 1.25 CME/CE
- 12:50 Maternal BMI and Newborn Microbiome**  
*Jenyfeer Blanco, MD*
- 1:00 Longitudinal Analysis of Association Between Gut Microbiota and Atopic Dermatitis in Thai Children: A Birth Cohort Study**  
*Onnicha Chaiseksamphan, MD*
- 1:10 The Presence of Cotinine at 3 months of Age is Associated with Decreased Microbial Diversity of the Upper Airway**  
*Simran Jutla, MD*
- 1:20 Mild-moderate atopic dermatitis controlled by medication exhibits similar bacterial taxa to controls, but strain-level effects and virome disruption persist**  
*Nicole Lane Starr, PhD*
- 1:30 Aberrant Early-Life Gut Microbial Maturation in Childhood Asthma**  
*Kathleen Lee-Sarwar, MD MS*

## Oral Abstract Sessions (continued)

- 4608** **Updates in the Field of Drug Allergy**   
 12:45 to 2:00 pm  
**Convention Center, Meeting Room Level, Room 221C**  
 Credits: 1.25 CME/CE  
*Moderators: Matthew S. Krantz, MD*  
*Jason Trubiano, MD FAAAAI*
- 12:50** **Drug Allergy Assessments in Older Adults: A Multi-Site Prospective Study from the United States Drug Allergy Registry**  
*John J. Accarino, MD*
- 1:00** **In vivo and ex vivo have long-term durability in antibiotic-associated drug reaction with eosinophilia and systemic symptoms**  
*Andrew Awad, MBBS*
- 1:10** **Delayed Cutaneous Reactions Following COVID-19 Vaccinations – A Military Cohort Analysis**  
*Charles K. Miller, MD*
- 1:20** **Genetic and Epidemiologic Risk Associated with IgE-mediated Anaphylaxis to Polyethylene Glycol**  
*Cosby A. Stone, MD MPH*
- 1:30** **Validation of an Allergy Clinical Decision Rule for “Sulfa” antibiotic allergy label – S-FAST**  
*Jamie L. Waldron, MD*

## Seminars

- 4701** **Let Them Eat Everything! Prevention of Food Allergy in Infants Through Early Introduction**    
 2:15 to 3:15 pm  
**Hyatt, Third Floor, Presidio B**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Amanda L. Cox, MD FAAAAI*  
*Alison M. Cassin, RD*
- 4702** **Assessing and Improving Quality of Life in Patients and Families Affected by Food Allergy**    
 2:15 to 3:15 pm  
**Hyatt, Fourth Floor, Crockett A**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Lisa M. Bartnikas, MD*  
*Theresa A. Bingemann, MD FAAAAI*
- 4703** **Performing an Aspirin Desensitization for Aspirin-Exacerbated Respiratory Disease**    
 2:15 to 3:15 pm  
**Hyatt, Fourth Floor, Crockett C**  
 Pre-registration and ticket required. Fee: \$40.  
 Credits: 1.00 CME/CE  
*Whitney W. Stevens, MD PhD FAAAAI*  
*Katherine N. Cahill, MD FAAAAI*

## Workshops

- 4710** **Timely Topics: Allergy/Immunology Care for the Pregnant Patient**   
 2:15 to 3:30 pm  
**Convention Center, Ballroom Level, Room 304A**  
 Credits: 1.25 CME/CE
- 2:15** **Introduction**  
*Michael Schatz, MD MS FAAAAI*
- 2:20** **COVID-19 Vaccines and Pregnancy**  
*Christina Chambers, PhD MPH*
- 2:35** **Biologics for Severe Asthma During Pregnancy**  
*Jennifer A. Namazy, MD FAAAAI*
- 2:50** **Health Disparities in Pregnancy**  
*Deborah L. Lee, MD*
- 3:05** **Panel Discussion Facilitation**  
*Michael Schatz, MD MS FAAAAI*
- 4712** **Drug Allergy: Going Beyond Penicillin Allergy**     
 2:15 to 3:30 pm  
**Convention Center, Ballroom Level, Stars at Night B1**  
 Credits: 1.25 CME/CE
- 2:15** **Introduction**  
*Rebecca Saff, MD PhD FAAAAI*
- 2:20** **Evaluation of Patients Presenting with Non-Beta Lactam Allergies Using an Evidence Based Approach**  
*Jason Trubiano, MD FAAAAI*
- 2:40** **Algorithmic Approach to Evaluation of Patients Presenting with Perioperative Anaphylactic Reactions**  
*Lene Heise H. Garvey, MD PhD*
- 3:00** **Excipient Allergy: Facts and Fiction that Allergist/Immunologists Need to Understand**  
*John M. Kelso, MD FAAAAI*
- 3:20** **Question & Answer Facilitation**  
*Rebecca Saff, MD PhD FAAAAI*
- 4713** **Updates in Immunotherapy: Dosing, Cross Reactivity and Extract Stability**     
 2:15 to 3:30 pm  
**Convention Center, Ballroom Level, Stars at Night B4**  
 Credits: 1.25 CME/CE
- 2:15** **Introduction**  
*Punita Ponda, MD FAAAAI*
- 2:20** **Subcutaneous Immunotherapy: Mechanisms of Allergy Immunotherapy and Cross Reactivity**  
*Desiree E. Larenas-Linnemann, MD FAAAAI*
- 2:40** **Optimal Dosing of Allergen Immunotherapy Treatment Extracts**  
*Harold S. Nelson, MD FAAAAI*
- 3:00** **The Nuts and Bolts of Writing Allergen Immunotherapy Prescriptions**  
*Christopher W. Calabria, MD FAAAAI*
- 3:20** **Question & Answer Facilitation**  
*Punita Ponda, MD FAAAAI*

## Workshops (continued)

- 4714 Suppressing Innate Lymphoid Cells (ILCs) Activation:  
The Future of Treatment for Allergic Disease** ▼  
2:15 to 3:30 pm  
Convention Center, Ballroom Level, Room 302A  
Credits: 1.25 CME/CE
- 2:15 Introduction**  
*Caroline L. Sokol, MD PhD FAAAAI*
- 2:20 Glucagon-Like Peptide-1 (GLP1) Inhibits Lung ILC2 Responses in  
Obesity**  
*Dawn C. Newcomb, PhD*
- 2:40 TLR3-Driven IFN- $\beta$  Suppresses Innate Type 2 Response in the  
Lung**  
*Elizabeth A. Jacobsen, PhD*
- 3:00 Stimulator of Interferon Genes (STING) Agonist Suppresses ILC2s  
in Type 2 Lung Inflammation**  
*Kellen Cavagnero*
- 3:20 Question & Answer Facilitation**  
*Caroline L. Sokol, MD PhD FAAAAI*

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San Antonio, use #AAAAI23  
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AAAAI-1122150



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AAAAI-1222-085

**Asthma is one of the most common medical problems seen by allergy/immunology clinicians, affecting more than an estimated 339 million people worldwide.**



*Improve asthma management for patients via our new online course series: The NHLBI 2020 Focused Updates to the Asthma Management Guidelines*

## **An Overview**

NAEPP has issued guidelines since 1991. In 2020, the National Heart, Lung, and Blood Institute (NHLBI) released Focused Updates to the Asthma Management Guidelines.

Gain insight into the meaning and practical application of the guidelines.



## **An Adult Virtual Patient Activity**

Through visits with an adult patient, you will make decisions about the diagnosis and management based on the updated guidelines relating to asthma medications (including ICS, LABA, and LAMA), allergen mitigation, immunotherapy, and FeNO.



## **A Pediatric Virtual Patient Activity**

Through visits with a pediatric patient and their family, you will make decisions about the diagnosis and management based on the updated guidelines relating to FeNO, allergen mitigation, ICS, intervention, and immunotherapy.



## 5001 Diagnostic Testing in Insect Allergy

Credits: 1.00 CME/CE

**Which is Better: Skin Test or Serum IgE test?**

*Jeffrey G. Demain, MD FAAAAI*

**Order Baseline Tryptase in All VIT Patients or Only the Most Severe?**

*David Golden, MD FAAAAI*

**Order CRD in All VIT Patients or Only Those with Positive Tests to Both HB and YJ Tests?**

*James M. Quinn, MD FAAAAI*

## 5002 Atopic Dermatitis and Food Allergy: Best Practices and Knowledge Gaps from the Work Group Report from the AAAAI

Credits: 1.00 CME/CE

**Co-Expression of Food Allergy and Atopic Dermatitis Epidemiology and Risk**

*Lynda C. Schneider, MD FAAAAI*

**Pros and Cons of Testing for Food Allergy and Elimination Diets in Atopic Dermatitis**

*Anne Marie Singh, MD*

**Causation and Mechanistic Links to Unravel the Food Allergy-Atopic Dermatitis Overlap**

*Peck Y. Ong, MD FAAAAI*

## 5003 Toxicities of Immune Checkpoint Inhibitors: Part 1

Credits: 1.00 CME/CE

**Immune Checkpoint Inhibitor Induced Inflammatory Eruptions and Pruritus**

*Anisha Patel, MD*

**Immune Checkpoint Inhibitor Induced Autoimmune Skin Diseases**

*Meghan M. Heberton, MD*

**Immune Checkpoint Inhibitor Induced Hair, Nail and Oral Mucosal Changes**

*Omar Pacha, MD*

## 5004 Toxicities of Immune Checkpoint Inhibitors: Part 2

Credits: 1.00 CME/CE

**Immune Checkpoint Inhibitor Induced Myocarditis**

*Nicolas L. Palaskas, MD*

**Immune Checkpoint Inhibitor Induced Neurological Complications**

*Sudhakar Tummala, MD*

**Immune Checkpoint Inhibitor Induced Nephrotoxicity**

*Ala Abudayyeh, MD*

## 5005 Pearls for Communication: How to Discuss Drug Allergy with Our Non-Allergist Colleagues

Credits: 1.00 CME/CE

**Radiocontrast Allergy: Pearls for Communicating with Radiology - the Newest Guidelines**

*Rebecca Saff, MD PhD FAAAAI*

**Penicillin Allergy in Obstetric Patients: Communications with Our OB Colleagues**

*Jamie L. Waldron, MD*

**Encouraging Collaboration with PCPs: Focus on Patients with Multiple Drug Allergies**

*Melissa Iammatteo, MD FAAAAI*

## 5006 Diverse Hypersensitivity Reactions Associated with Vancomycin

Credits: 1.00 CME/CE

**Immediate Drug-Induced Hypersensitivity Reactions to Vancomycin**

*Santiago Alvarez-Arango, MD*

**Vancomycin-induced Drug Reaction with Eosinophilia and Systemic Symptoms**

*Jason Trubiano, MD FAAAAI*

**Vancomycin Hypersensitivity Reaction Epidemiology from Electronic Health Record Allergy Data**

*Li Zhou*

## 5007 Advances in Angioedema

Credits: 1.00 CME/CE

**Advances in Histaminergic Angioedema**

*Marta M. Ferrer, MD PhD*

**Update on Pathogenesis of Angioedema**

*Paula J. Busse, MD FAAAAI*

**Diagnostic Approach to the Angioedema Patient**

*Marc A. Riedl, MD MS*

## 5008 Anaphylaxis to Allergy Injections: Identify, Manage and Treat Life Threatening Reactions

Credits: 1.00 CME/CE

**Identify Patients at Risk for Developing Anaphylaxis Related to Allergy Injections**

*Tolly I. Epstein, MD MS FAAAAI*

**Team Approach: Are You Ready to Treat Anaphylaxis in Your Allergy Office?**

*Karen L. Gregory, DNP APRN-BC RRT AE-C*

**Act Fast - Emergency Treatment of Anaphylaxis to Immunotherapy Injections**

*Rebecca Saff, MD PhD FAAAAI*

## 5101 New Insights into Asthma in Urban Children

Credits: 1.00 CME/CE

**Factors Related to the Incidence of Childhood Asthma**

*Christine Cole Johnson, PhD MPH FAAAAI*

**Rhinitis, Allergy and Asthma in Disadvantaged Urban Children**

*Sima K. Ramratnam, MD MPH*

**Interactions Between Early Life Lung Function, Allergy and Wheeze**

*James E. Gern, MD FAAAAI*

## 5102 Advancing Asthma Care Through Healthcare Technology: Recent Discoveries and Emerging Challenges

Credits: 1.00 CME/CE

**Harnessing Big Data for Asthma Prevention**

*Adnan Custovic, MD PhD FAAAAI*

**Utilization of Patient-Generated Health Data and Artificial Intelligence in Management of Asthma**

*Young J. Juhn, MD MPH*

**The Potential and Peril of Technology to Decrease Asthma Health Disparities**

*Alan P. Baptist, MD MPH FAAAAI*

## 5103 Stress, Inflammation and Asthma

Credits: 1.00 CME/CE

**Exercise, Inflammation and Asthma: A Complex Relationship**  
*Sharmilee M. Nyenhuis, MD FAAAAI*

**Brain and Neural-Immune Cross Talk Pathways in Airway Inflammation**

*Melissa A. Rosenkranz, PhD*

**Acupuncture: An Adjunct Therapy for Uncontrolled Asthma**

*Maria Luz L. Lara-Marquez, MD PhD FAAAAI*

**Acupuncture: An Adjunct Therapy for Uncontrolled Asthma**

*Hemant P. Sharma, MD MHS FAAAAI*

## 5104 Anti-Immunoglobulin E (IgE) vs. Anti-Eosinophilic Monoclonal Antibody in Multiply-Eligible Patients

Credits: 1.00 CME/CE

**Agents Targeting the Allergic Phenotype Should be Initiated Before Agents Targeting the Eosinophilic Phenotype in Multiply-Eligible Patients**

*Wanda Phipatanakul, MD MS FAAAAI*

**Agents Targeting the Eosinophilic Phenotype Should be Initiated Before Agents Targeting the Allergic Phenotype in Multiply-Eligible Patients**

*Mark C. Liu, MD FAAAAI*

## 5201 Optimizing Care with a Multidisciplinary Approach to Immune Dysregulation

Credits: 1.00 CME/CE

**Practical Implementation of Multidisciplinary Team for Immune Dysregulation – Challenges and Benefits and the Role of Different Specialists**

*Sara Barmettler, MD*

**Successful Histories of a Multidisciplinary Approach to Immune Dysregulation**

*Shanmuganathan Chandrakasan, MD*

## 5202 Immunity of Aging Patients – Implications for the Practicing Allergist/Immunologist

Credits: 1.00 CME/CE

**Understanding the Aging Immune System**

*Tamas Fulop, MD PhD*

**Can Blocking Inflammation Enhance Immunity During Aging?**

*Arne N. Akbar, PhD*

**Immunosenescence and Human Vaccine Immune Responses**

*Inna G. Ovsyannikova, PhD*

## 5204 The Role of the Microbiome in Immune Mediated Diseases

Credits: 1.00 CME/CE

**Microbiome Dysbiosis and Impact on Autoimmune Disease**

*Emilia L. Falcone, MD PhD*

**Microbiota Composition and Influence in Primary Immunodeficiency**

*Joud Hajjar, MD, MS*

**The Impact of Microbiota in Allergic Disease**

*Cathryn R. Nagler, PhD*

**Microbiota Composition and Influence in Primary Immunodeficiency**

*Charlotte Cunningham-Rundles, MD PhD FAAAAI*

## 5205 Vaccination and the Allergist/Immunologist

Credits: 1.00 CME/CE

**The Role of the Allergist/Immunologist in Adverse Vaccine Reactions**

*Ashwini Reddy, MD FAAAAI*

**Utilization of Vaccines in Special Populations**

*Sara Anvari, MD MSc*

**Emerging Vaccines at Home and Abroad**

*Samuel M. Pope, PhD JD*

## 5208 Mechanistic Insights into the Impact of Obesity on Immune Function

Credits: 1.00 CME/CE

**The Impact of Obesity on Immune Function**

*Sarah E. Henrickson, MD PhD FAAAAI*

**The Impact of Obesity on Asthma**

*Dawn C. Newcomb, PhD*

**The Impact of Bariatric Surgery on Immune Function, Obesity and Obese Asthma**

*Eric Sheu, MD PhD*

## 5301 Advances in the Science of Eosinophilic Esophagitis (EoE)

Credits: 1.25 CME/CE

**New Technologies for Non-Invasive Diagnosis of Eosinophilic Esophagitis**

*Emily C. McGowan, MD PhD FAAAAI*

**New Technologies for Non-Invasive Diagnosis of Eosinophilic Esophagitis**

*Seema S. Aceves, MD PhD FAAAAI*

**Transcriptional Regulation of Eosinophil Maturation**

*Jennifer M. Felton, PhD*

**Effector Th2 Cells in Eosinophilic Esophagitis**

*Wayne Shreffler, MD PhD FAAAAI*

## 5302 What Environmental Exposures Can Teach Us About Allergy Mechanisms

Credits: 1.25 CME/CE

**The Urban versus Rural Environment in South Africa and Atopic Disease**

*Michael E. Levin, MD PhD MBBCh PhD*

**Farm-Microbial-Immune Interactions in Protection From Atopic Disease**

*Kirsi M. Jarvinen-Seppo, MD PhD FAAAAI*

## 5303 Mechanisms of Immune Dysregulation in the Gut

Credits: 1.25 CME/CE

**Immune Dysregulation in the Gut: VEO-IBD**

*Scott B. Snapper, MD PhD*

**Gut in a Dish: Organoids as a Model System for Studying VEO-IBD**

*Judith R. Kelsen, MD*

## 5304 Highlighting Early Stage Investigators in Airway Research: Future of Our Specialty: Part 1

Credits: 1.25 CME/CE

### GLP1 Agonist Treatment in Obese Asthma

*Katherine N. Cahill, MD FAAAAI*

### Lung resident Th2 Cells in Asthma

*Rod A. Rahimi, MD PhD*

### Nasal Profiling in Asthma Elicited by Diverse Triggers

*Matthew C. Altman, MD*

## 5305 Highlighting Early Stage Investigators in Food Allergy: Future of Our Specialty: Part 2

Credits: 1.25 CME/CE

### Memory B Cells and Their Abs in Peanut OIT

*Sarita U. Patil, MD FAAAAI*

### Epigenetic Regulation of Epithelial Dysfunction in EoE

*Melanie A. Ruffner, MD PhD*

### Glycolipids and T Cells in Alpha-Gal Allergy

*Onyinye I. Iweala, MD PhD*

## 5307 Expert's Journal Club: Impactful Papers in Allergy/Immunology (A/I)

Credits: 1.00 CME/CE

*Joshua A. Boyce, MD FAAAAI*

*Kari C. Nadeau, MD PhD FAAAAI*

*Hugh A. Sampson, MD FAAAAI*

## 5401 Drug Allergy: Other Drugs

Credits: 1.00 CME/CE

### Iron Allergy

*Anne Y. Liu, MD*

### Vaccine Allergy

*John M. Kelso, MD FAAAAI*

### Radiocontrast Material Allergy

*Ana Maria M. Copaescu, MD*

## 5402 Update on Allergy to Non-Beta-Lactam Antibiotics

Credits: 0.50 CME/CE

### Update on Allergy to Non-Beta-Lactam Antibiotics

*Jonathan G. Peter, MD PhD*

## 5403 Use of Sublingual Immunotherapy (SLIT) for Allergic Rhinitis and Conjunctivitis in the United States

Credits: 0.50 CME/CE

### Use of Sublingual Immunotherapy for Allergic Rhinitis and Conjunctivitis in the United States

*Linda Cox, MD FAAAAI*

## 5404 Eosinophilic Esophagitis: The Role of Biologics

Credits: 0.50 CME/CE

### Eosinophilic Esophagitis: The Role of Biologics

*Mirna Chehade, MD MPH FAAAAI*

## 5405 Drug Allergy Practice Parameter Update

Credits: 1.00 CME/CE

### ASA/NSAID

*Andrew A. White, MD FAAAAI*

### Chemotherapeutics/Monoclonals

*Aleena Banerji, MD FAAAAI*

### Penicillin

*Roland Solensky, MD FAAAAI*

### Beta-Lactam Cross-Reactivity

*Kimberly G. Blumenthal, MD MSc FAAAAI*

## 5406 Practice Parameter Update on Atopic Dermatitis

Credits: 0.50 CME/CE

### Practice Parameter Update on Atopic Dermatitis

*Lynda C. Schneider, MD FAAAAI*

## 5407 Evaluation and Management of Reactions to Novel Therapeutics for the Allergist

Credits: 1.00 CME/CE

### Approach to Chemotherapeutic Hypersensitivity Reactions

*Aleena Banerji, MD FAAAAI*

### Management of Patients with Reactions to Monoclonal Antibodies

*David I. Hong, MD FAAAAI*

### Overview of Immune Mediated Reactions to Check Point Inhibitors

*Sara Barmettler, MD*

## 5408 Update on Angioedema with Normal Labs

Credits: 0.50 CME/CE

### Update on Angioedema with Normal Labs

*William R. Lumry, MD FAAAAI*

## 5409 2022 Joint Task Force Sinusitis GRADE Practice Parameter Update: Choose Your Own Recommendation!

Credits: 1.00 CME/CE

### Aspirin Desensitization for CRSwP with AERD

*Derek K. Chu, MD PhD*

### Topical Corticosteroids for CRSwNP

*Matthew A. Rank, MD FAAAAI*

### Biologics for CRSwNP

*Anju T. Peters, MD MSCI FAAAAI*

## 5410 2022 Joint Task Force Anaphylaxis Practice Parameter Update

Credits: 1.00 CME/CE

### Prescription and Use of Epinephrine Injectors

*Susan Waserman, MD MSc FAAAAI*

### Peri-Operative Anaphylaxis

*David M. Lang, MD FAAAAI*

### Beta-Blockers, ACE Inhibitors and Anaphylaxis Risk

*Anne K. Ellis, MD FAAAAI*

**5501 Health Disparities in Immune Deficiency**  
 Credits: 1.00 CME/CE  
**Social Determinants of Care in Primary Immune Deficiency**  
*Maria C. Lopez, MD*  
**Underserved Care of Immune Deficient Patients: Medical Education of Allergy/Immunology Fellows**  
*Jessica Galant-Swofford, MD*  
**Universal Genetic Sequencing in the Diagnosis of Inborn Errors of Immunity**  
*JP Lopes*

**5502 Transitioning Adolescent Care in Allergy and Immunology**  
 Credits: 1.00 CME/CE  
**The Need for Adolescent Transition of Care in Allergy and Immunology**  
*Yamini V. Virkud, MD MA MPH FAAAAI*  
**How Adolescent Transition in Other Fields Can Teach us Best Management for Asthma and Primary Immune Deficiency (PID)**  
*Sofija Volertas, MD*  
**The Use of Social Media as Advocacy for Adolescent Patients**  
*David R. Stukus, MD FAAAAI*

**5503 Improving Allergy Immunology Clinician Wellness by Removing “Pebbles in Your Shoe”**  
 Credits: 1.00 CME/CE  
**Getting Rid of Pajama Time: Team-Based Documentation and EHR Hacks**  
*Hemant P. Sharma, MD MHS FAAAAI*  
**Combating Clinic Chaos with Effective Communication and Team Huddles**  
*Tammy Peng, MD*  
**Reducing Social Isolation Through Commensality and COMPASS Groups**  
*Ewa H. Schafer, MD FAAAAI*

**5504 The Future of Healthcare: Remote Patient Management and Remote Therapeutic Monitoring**  
 Credits: 1.00 CME/CE  
**An Introduction to RPM and RTM: How Do I Implement it in My Practice?**  
*Priya J. Bansal, MD FAAAAI*  
**RPM and RTM in Asthma**  
*Giselle S. Mosnaim, MD MS FAAAAI*  
**RPM and RTM in Food Allergy**  
*Sakina S. Bajowala, MD FAAAAI*

**5505 Leveraging Multi-Disciplinary Care in the Allergy/Immunology Clinic: Why it Matters and How to Do It**  
 Credits: 1.00 CME/CE  
**Incorporating Mental Health into the Food Allergy Clinic**  
*Linda Herbert, PhD*  
**Leveraging Multidisciplinary Care in Managing Eosinophilic Esophagitis**  
*Fred D. Atkins, MD FAAAAI*  
**Models of Multispecialty Care for Patients with Primary Immunodeficiency and Immune Dysregulation Disorders**  
*Monica G. Lawrence, MD FAAAAI*

**5506 Addressing Allergic Diseases in Vulnerable Children: The Impact of Adverse Childhood Experiences (ACEs), Health Disparities and Overcoming Barriers to Care**  
 Credits: 1.00 CME/CE  
**Addressing ACEs and Asthma**  
*Timothy Chow, MD*  
**Overcoming Barriers to Care**  
*Rory Nicolaidis, MD*  
**Summary of Adverse Childhood Experiences and Atopic Diseases**  
*Rosalind J. Wright, MD MPH*

**5507 Introduction to Psychoneuroimmunology: Understanding the Biology of Stress and Its Impact on the Innate and Adaptive Immune Response**  
 Credits: 1.00 CME/CE  
**The Biology of the Stress Response and its Clinical Implications in Immunology Diseases**  
*Michael R. Irwin, MD*  
**Differential Expression and Regulation of Vasoactive Intestinal Peptide (VPAC1 and VPAC2) Receptors in T Cell Subsets and Monocytes**  
*Maria Luz L. Lara-Marquez, MD PhD FAAAAI*

**5601 But Doctor, How and Why Does It Work? An Update on the Diverse Immune Mechanisms of Allergen Immunotherapy**  
 Credits: 1.00 CME/CE  
**An Overview of the Diverse Immune Mechanisms of Allergen Immunotherapy**  
*Mohamed H. Shamji, BSc MSc PhD FAAAAI*  
**An Update on changes in the Innate Immune System During Allergen Immunotherapy**  
*Cezmi A. Akdis, MD FAAAAI*  
**An Update on Changes in the Adaptive Immune System During Allergen Immunotherapy**  
*Hanisah Sharif, PhD*

**5602 Novel Ways of Treating or Preventing Allergies and Asthma: Looking Down the Pipeline**  
 Credits: 1.00 CME/CE  
**Passive Immunotherapy for Cat**  
*Mohamed H. Shamji, BSc MSc PhD FAAAAI*  
**Passive Immunotherapy for Birch Pollen**  
*Philippe Gevaert, MD PhD*  
**Bacterial Mucosal Immunotherapy for Preventing Wheeze in Children**  
*Fernando D. Martinez, MD*

**5603 Mold Allergy: Current “Growth” in Knowledge**  
 Credits: 1.00 CME/CE  
**Clinical Immunological and Allergic Reactions to Mold: Fact or Fiction**  
*Jay M. Portnoy, MD FAAAAI*  
**Immunotherapy with Fungal Extracts: Efficacy and Practical Issues**  
*Harold S. Nelson, MD FAAAAI*



- 5604 Allergy In-Vitro Diagnostics**  
Credits: 1.00 CME/CE  
**Clinical Relevance of Total IgE: Specific IgE Ratios**  
*Harald E. Renz, MD FAAAAI*  
**Component Testing for Respiratory Allergy**  
*Antonella Cianferoni, MD PhD FAAAAI*  
**Wheat and Sesame Allergy**  
*Anna H. Nowak-Wegrzyn, MD PhD FAAAAI*
- 5605 Dupilumab-Associated Conjunctivitis**  
Credits: 1.00 CME/CE  
**Recognition of Dupilumab-Associated Conjunctivitis**  
*Peter A. Lio, MD*  
**Management Options of Dupilumab-Associated Conjunctivitis and Long-Term Outcome**  
*Emma Guttman-Yassky, MD PhD*
- 5606 Allergic Fungal Rhinosinusitis: Optimal Medical and Surgical Management**  
Credits: 1.00 CME/CE  
**The Pathogenesis and Proper Diagnosis of AFRS**  
*Anju T. Peters, MD MSCI FAAAAI*  
**Optimal Medical Management of AFRS Including Possible Role of Biologics and Allergy Immunotherapy**  
*Seong Ho Cho, MD FAAAAI*  
**Surgical Management of AFRS Including Proper Pre-and Post-Surgical Management**  
*Amber U. Luong, MD PhD*
- 5607 How Aerobiology Knowledge Could Improve Allergy Practice: From Microscope to Office Practice**  
Credits: 1.00 CME/CE  
**Aerobiology in Everyday Practice: The Use of the Alert and Pollen Forecast**  
*German Dario D. Ramon, MD FAAAAI*  
**How the Pollen/Fungus Count is Useful to Diagnosis**  
*Dan Dalan, MD FAAAAI*  
**How Pollen/Fungus Counts Can Help With Allergen Immunotherapy**  
*James J. Anderson, MLT*
- 5701 Neuroregulation by Type 2 (T2) Immunity**  
Credits: 1.00 CME/CE  
**CysLT function in the Olfactory Mucosa**  
*Lora G. Bankova, MD FAAAAI*  
**IL-4R Signaling in the CNS: From Protection to Therapy**  
*Jonathan Kipnis, PhD*
- 5702 Interleukin-33 (IL-33): Gateway to Allergic Disease, Lessons Learned From the AACRC**  
Credits: 1.00 CME/CE  
**Allergen Sensing Apparatus Initiating Disease**  
*Gurjit K. Khurana Hershey, MD PhD FAAAAI*  
**Platelet Regulation of IL-33 in Asthma**  
*Joshua A. Boyce, MD FAAAAI*
- 5703 Autoimmune Responses in Eosinophilic Lung Diseases**  
Credits: 1.00 CME/CE  
**Clinical Implications for Airway Autoimmunity**  
*Manali Mukherjee, PhD*  
**Autoimmunity and Airways Diseases - Severe Asthma, eGPA**  
*Michael E. Wechsler, MD*  
**B Cells in Eosinophilic Airways Disease**  
*Bruce D. Mazer, MD FAAAAI*
- 5704 Immune Dysregulation, Metabolic Dysfunction and Bad Asthma: Novel Pathways and Approaches to Achieving Control**  
Credits: 1.00 CME/CE  
**Obesity, Exposures and Asthma**  
*Perdita Permaul, MD FAAAAI*  
**Mechanisms in Exacerbation Prone Asthma and Novel Non-Type 2 and Biomarker Driven Therapeutic Approaches**  
*Michael C. Peters, MD*  
**Immune Dysregulation and Airway Inflammation: Novel Pathways to Asthma Severity**  
*Hani Harb, PhD*
- 5705 New Insights into the Immune Mechanisms of Severe Asthma**  
Credits: 1.00 CME/CE  
**Immunological Phenotypes of Severe Asthma**  
*Sally E. Wenzel, MD FAAAAI*  
**Immune Mechanisms of Type-2-Low Asthma**  
*Stewart J. Levine, MD*  
**Immune Mechanisms of Type-2-High Asthma**  
*Angela Haczku, MD PhD FAAAAI*
- 5707 Mas-Related G-Protein-Coupled Receptor X2 (MRGPRX2) in Allergic Disease**  
Credits: 1.00 CME/CE  
**Genetics of MRGPRX2 in Allergic Disease**  
*Li Gao, PhD*  
**MRGPRX2 in Chronic Spontaneous Urticaria**  
*Eric T. Oliver, MD FAAAAI*  
**MRGPRX2 in Drug Hypersensitivity Reactions**  
*Santiago Alvarez-Arango, MD*
- 5801 Allied Health: IRBs, GCP, CROs and EDCs: Making Sense of the Regulatory Alphabet Soup in Clinical Research**  
Credits: 1.00 CME/CE  
**Panelists**  
*Cheryl K. Bernstein, RN BSN CCRC*  
*Lauren Herlihy, RN MSN CPNP*  
*Jaime E. Ross, RN MSN*

- 5802 Allied Health: Comorbid Presentation of Eating Disorders in the Context of Food Allergies: How to Identify and What to Do**  
Credits: 1.00 CME/CE  
**Clinical Presentations of Eating Disorders Among Patients with Food Allergy**  
*Katherine Dahlsgaard, PhD*  
**Clinical Management Considerations of Eating Disorders in the Food Allergist's Office**  
*Megan Ott Lewis, MSN CRNP*
- 5803 Allied Health: How to Improve the Nutritional Status of Your Food Allergy Patient**  
Credits: 1.00 CME/CE  
**Taking a Thorough Diet History for the Allergy Provider**  
*Isabel J. Skypala, PhD RD*  
**Management of the Food Allergy Patient From the Dietitian Perspective** *Raquel Z. Durban, MS RD LDN*  
**Guidance on Feeding Issues in Food Allergy Patients in Daily Life and During Office Procedures**  
*Jamie L. Kabourek, MS RD*
- 5804 Allied Health: Healthy Teens, Healthy Adults: Promoting Asthma Self-Management Skills in Adolescents with Asthma**  
Credits: 1.00 CME/CE  
**Healthy Teens, Healthy Adults: Promoting Asthma Self-Management Skills in Adolescents with Asthma**  
*William C. Anderson, MD FAAAAI*  
**Healthy Teens, Healthy Adults: Promoting Asthma Self-Management Skills in Adolescents with Asthma**  
*Elizabeth Vann, RN*
- 5805 Allied Health: Alleviating Pediatric Food Allergy Anxiety During Office Visits: What is Efficient, Effective and Evidence-Based?**  
Credits: 1.00 CME/CE  
**Evidence-Based intervention for Anxiety in the Context of Food Allergy: Hands On Demonstration of Proximity Exposures**  
*Megan Ott Lewis, MSN CRNP*  
**Efficient Assessment and Intervention of Anxiety in the Context of Food Allergy: What to Ask, How to Approach In-Office Intervention, and How to Involve Caregivers**  
*Katherine Dahlsgaard, PhD*
- 5806 Allied Health: Boost Your Practice! How to Perform Food Challenges Safely and Efficiently**  
Credits: 1.00 CME/CE  
**How to Train Staff to Perform OFCs**  
*Dilawar S. Khokhar, MD*  
**Describe Different Approaches to Performing OFCs Across the Age Spectrum**  
*Lauren Herlihy, RN MSN CPNP*  
**Preparing Your Office to Perform OFCs**  
*Jodi A. Shroba, MSN APRN CPNP*
- 5807 Allied Health: Advances in Improving Outcomes for Severe Asthma: Challenges of Exercise and Physical Activity**  
Credits: 1.00 CME/CE  
**Exercise and Asthma: What Do We as Healthcare Professionals Know About Physical Activity?**  
*Basil M. Kahwash, MD*  
**Assessment and Management of Severe Asthma: Get Ready for Exercise**  
*Justin C. Greiwe, MD FAAAAI*  
**Interventions Targeting Physical Activity and Exercise in Severe Asthma**  
*Lila C. Kertz, DNP APRN CPNP AE-C*
- 5808 Allied Health: Tree Nut Allergy Update**  
Credits: 1.00 CME/CE  
**Tree Nut OFCs**  
*Lauren Herlihy, RN MSN CPNP*  
**Tree Nut Component Testing**  
*Jennifer A. Dantzer, MD FAAAAI*  
**Available Research on Tree Nut Allergy Treatment**  
*Holly H. Barber, NP CPNP*

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## LEADERSHIP INSTITUTE COURSE

The Leadership Institute Course is a half-day program held during the AAAAI Annual Meeting and incorporates instruction in key leadership skills such as negotiation, conflict resolution, and goal setting. Optional asynchronous learning and networking opportunities for Course alumni also occur throughout the year.

*Applications for the 2024 Leadership Institute Course will open in the Fall of 2023.*

## LEADERSHIP INSTITUTE MENTORSHIP PROGRAM

Leadership Institute Course alumni are eligible to apply for the Leadership Institute Mentorship Program, which pairs mentees with an AAAAI faculty mentor to develop and complete a project within their area of interest that aligns with the goals of an existing AAAAI committee or taskforce.

*Applications for the 2024 Leadership Institute Mentorship Program will open in the Fall of 2023. Eligible alumni will receive an email invite to apply.*



Learn more about the Course and Mentorship Program at [aaaai.org/professional-education/leadership-institute](https://aaaai.org/professional-education/leadership-institute).

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leaders from the  
world of allergy  
and immunology.**



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AAAAI Social  
Media Medical  
Editor, David  
R. Stukus, MD,  
FAAAAI



**Conversations from the World of Allergy** is a podcast series from the American Academy of Allergy, Asthma & Immunology (AAAAI).

It is the easiest way for busy healthcare providers and the general public to keep updated on medical topics in the A/I specialty. Subscribe today to make sure you never miss an episode. CME offered for select episodes.



**Conversations from the  
World of Allergy**

AAAAI-1221-128

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## **AbbVie**

1 North Waukegan Road  
ABV1 3SW 306 06  
North Chicago, IL 60064  
(224) 358-7407  
<http://www.abbvie.com>

### **Booth #1742**

#### **Immunotherapy**

AbbVie's mission is to discover and deliver innovative medicines that solve serious health issues today and address the medical challenges of tomorrow. We strive to have a remarkable impact on people's lives across several key therapeutic areas. For more information about AbbVie, please visit us at [www.abbvie.com](http://www.abbvie.com).

## **AbbVie Medical Affairs**

1 North Waukegan Road  
North Chicago, IL 60064  
(720) 593-2731  
<https://www.abbvie.com/>

### **Booth #2150**

#### **Pharmaceuticals**

AbbVie's mission is to discover and deliver innovative medicines that solve serious health issues today and address the medical challenges of tomorrow. We strive to have a remarkable impact on people's lives across several key therapeutic areas: immunology, oncology, neuroscience, eye care, virology, women's health and gastroenterology.

## **ABISA**

PO Box 516  
New York, NY 10150  
(813) 486-6449  
<https://www.abisallc.com>

### **Booth #1116**

#### **Office Management**

ABISA is a transactional consultancy assisting physicians with strategic initiatives such as: Succession Planning, Mergers, Physician Partnerships, MSOs, Strategic Planning, and Private Equity Investors.

## **AcariaHealth Specialty Pharmacy**

8517 Southpark Circle  
Suite 200  
Orlando, FL 32819  
(800) 511-5144  
<https://acariahealth.envolvehealth.com/>

### **Booth #2162**

#### **Pharmaceuticals**

AcariaHealth is a national comprehensive specialty pharmacy focused on improving care and outcomes for patients living with complex and chronic conditions under specialties including Allergy & Immunology, Asthma, Neurology, Pulmonology, and Rheumatology. Our specialized care management services put patients first and empower them toward better health.

## **Access Telehealth**

9900 West Sample Road  
Suite 300  
Coral Springs, FL 33065  
(844) 527-7669  
<https://www.accessrpm.com>

### **Booth #1126**

#### **Other**

Access Telehealth offers remote patient care programs that include innovative remote patient monitoring devices, software, and clinical monitoring services that can help organizations fully implement transformative chronic care and disease management programs. We offer innovative, HIPAA-compliant software, expert clinical staff, and connected devices to support Remote Patient Monitoring.

## **Accredo**

1640 Century Center Parkway  
Memphis, TN 38134  
(866) 820-4844  
<https://www.accredoivig.com>

### **Booth #1729**

#### **Immunotherapy**

Accredo is a full-service specialty pharmacy dedicated to the treatment of rare and complex conditions. Our comprehensive therapy management programs engage trained pharmacists, nurses, reimbursement specialists, and patient care representatives who provide enhanced support services to patients, their families and healthcare professionals.

## **AccuVax By TruMed**

4370 La Jolla Village Drive  
Suite 200  
San Diego, CA 92122  
(844) 878-6331  
<https://truamedsystems.com/>

### **Booth #1873**

#### **Equipment/Supplies**

AccuVax is a fully automated, pharmaceutical-grade vaccine management system that ensures vaccine integrity, reduces medication errors, and delivers time-savings that allow a practice to focus on what matters most, patients. Schedule a demo at AccuVax.com, (844) 878-6331, or [info@AccuVax.com](mailto:info@AccuVax.com).



## **ADMA Biologics**

5800 Park of Commerce Boulevard  
Boca Raton, FL 33487  
(561) 989-5800  
<https://www.admabiologics.com/>

### **Booth #1830**

#### **Pharmaceuticals**

ADMA Biologics is an end-to-end commercial biopharmaceutical company committed to manufacturing and developing specialty plasma-derived products for the prevention and treatment of infectious diseases in the immune compromised and other patients at risk for infection.

## **Advocacy & Awareness for Immune Disorders Association (AAIDA)**

6201 Fairview Road  
Suite 200  
Charlotte, NC 28210  
(704) 993-8389  
<http://www.GoDoAaida.org>

### **Booth #1182**

#### **Patient/Public Education**

AAIDA is a 501c3 dedicated to patients living with immune dysregulation and overlapping conditions with a focus on advocacy campaigns, education initiatives and research opportunities. AAIDA also provides patients and healthcare providers assistance with insurance issues/denials and medication assistance programs available across the U.S.

## **Ajinomoto Cambrooke**

4 Copeland Drive  
Ayer, MA 01432  
(301) 980-6594  
<https://EssentiallyBetter.com>

### **Booth #1255**

#### **Nutrition**

Amino acid-based formulas, EquaCare Jr. and Essential Care Jr., for children with food allergies and digestive disorders. EquaCare Jr. the same nutrition and similar taste as other brands, but lower price. Essential Care Jr., first amino acid-based formula with natural ingredients, NO corn syrup solids, artificial flavors or sweeteners.

## **ALK-Abelló, Inc.**

135 US Hwy 202/206  
Suite #3  
Bedminster, NJ 07921  
(908) 842-8359  
<https://www.alk.net/us/>

### **Booth #1725**

#### **Allergenic Extracts**

ALK, Inc. is a global, research-driven pharmaceutical company focused on the diagnosis and treatment of allergies. Our products and services include SLIT-Tablets, Allergy Extracts, Penicillin Allergy Skin Testing, Diagnostic Controls, Skin Testing Systems, Sterile Empty Vials, Diluents, Syringes, Trays, and Patient Education Materials.

## **Allergenis**

2801 Sterling Drive  
Suite 200  
Hatfield, PA 19440  
(888) 436-6339  
<https://www.allergenis.com>

### **Booth #1862**

#### **Diagnostic Testing**

Allergenis specializes in detection and management of life-threatening food allergies. Based on precision, data-driven diagnostics, Allergenis helps providers safely assess and monitor food allergy patients and is amassing the largest database of phenotypic data derived from epitope mapping, clinical history, and patient-reported outcomes. Founded in collaboration with Dr. Hugh Sampson

## **Allergists For Israel**

Bernstein Allergy Group  
4665 East Galbraith Road  
2nd Floor  
Cincinnati, OH 45236  
(513) 673-7420  
<https://allergists4israel.org/>

### **Booth #1283**

#### **Other**

Allergists For Israel is a non-profit organization promoting collegiality, research, and education by establishing an international network of Allergists and Immunologists to enhance communication and interaction with Israeli professional colleagues.

## Allergy & Asthma Network

8229 Boone Boulevard  
Suite 260  
Vienna, VA 22182  
(615) 496-5206  
<https://allergyasthmanetwork.org>

### Booth #1183

#### Patient/Public Education

Allergy & Asthma Network's mission is to end death and suffering due to asthma, allergies, and related conditions through outreach, education, advocacy, and research. From community screenings, bilingual publications, and a renovated website, the Network is committed to providing services that guarantee diversity, inclusion, and equal access for all.

## Allergy & ENT Associates

450 Gears Road  
Suite 420  
Houston, TX 77067  
(281) 453-4234  
<https://www.aentassociates.com>

### Booth #2055

#### Immunotherapy

Allergy & ENT Associates is Southeast Texas' largest group practice specializing in Allergy, Asthma, and ENT services in the greater Houston area and new locations in Dallas and Austin. The physicians and staff are committed to being the regional leader for quality allergy and asthma care in Texas.

## Allergy and Asthma Proceedings

450 Veterans Memorial Parkway  
Building 15  
East Providence, RI 02914  
(401) 331-2510  
<https://allergyasthmaproceedings.com>

### Booth #2051

#### Publications

Allergy & Asthma Proceedings is in its 44th year of publishing state-of-the-art review articles and original manuscripts on allergy, asthma, and immunology. This bi-monthly, peer reviewed publication has an impact factor of 2.873, and a worldwide circulation of 5,000. AAP is available in print and online through [www.lingtaconnect.com](http://www.lingtaconnect.com)

## Allergy Partners

1978 Hendersonville Road  
Suite 130A  
Asheville, NC 28803  
(828) 277-1300  
<http://AllergyPartners.com>

### Booth #1870

#### Physician Recruitment

Allergy Partners is the nation's largest allergy, asthma, and immunology practice. Our network spans 19 states and encompasses over 125 total locations of care. As our reputation continues to grow, we are committed to our vision and to bringing only the best physicians and practices into our network.

## AllergyEHR, a Division of Meditab Software Inc.

8795 Folsom Boulevard  
Suite 205  
Sacramento, CA 95826  
(844) 463-3482  
<https://www.allergyehr.com/>

### Booth #1853

#### Computer Hardware/Software

AllergyEHR, a division of Meditab Software Inc., is an award-winning pioneer in allergy and immunology software, eliminating the need for multiple systems by integrating every facet of your operations, from your EHR to immunotherapy, into an all-inclusive platform.

## AllerVie Health

4975 Preston Park Boulevard  
#800  
Plano, TX 75093  
(817) 253-2940  
<https://www.allervie.com/>

### Booth #1251

#### Office Management

AllerVie Health is a national network of board-certified allergists and immunologists partnering together for the advancement of patient care. Our providers are committed to establishing the allergy and immunology gold standard, expanding access to best-in-class care, and bringing relief and renewed vitality to the millions of Americans affected annually.

## Altus Biologics

11233 Shadow Creek Parkway  
Suite 303  
Pearland, TX 77584  
(409) 718-1131  
<http://www.altusbiologics.com>

### Booth #1136

#### Immunotherapy

Altus Biologics partners with physicians across multiple specialties to provide comprehensive, in-office infusion and subcutaneous injection services. At Altus Biologics, we are committed to improving access, quality of care and affordability for all patients.

## American Board of Allergy and Immunology

1835 Market Street  
Suite 1210  
Philadelphia, PA 19103  
(215) 592-9466  
<http://abai.org>

### Booth #1179

#### Physician Education

The ABAI was established in 1971 as a Conjoint Board of the ABIM and ABP. The internal medicine subspecialty existed from 1936-1971 and the pediatric subspecialty existed from 1944-1971. The ABAI is committed to maintaining the highest educational and clinical standards in the specialty of allergy/immunology.

## American Partnership for Eosinophilic Disorders

PO Box 29545  
Atlanta, GA 30359  
(713) 493-7749  
<https://apfed.org/>

### Booth #1184

#### Patient/Public Education

The American Partnership for Eosinophilic Disorders (APFED) mission is to passionately embrace, support, and improve the lives of patients and families affected by eosinophil-associated diseases through education, awareness, research, and support and advocacy.

## Amgen/AstraZeneca

1800 Concord Pike  
Wilmington, DE 19803  
(800) 236-9933  
<https://www.astrazeneca-us.com/>

### Booth #1710

#### Pharmaceuticals

Amgen and AstraZeneca have partnered together to bring new and innovative science to an area where challenges still exist. The partnership leverages both companies' respective capabilities including AstraZeneca's extensive respiratory experience and Amgen's deep history in inflammatory diseases and bringing novel therapies to patients.

## ARS Pharmaceuticals, Inc.

11682 El Camino Real  
Suite 120  
San Diego, CA 92130  
(858) 799-1840  
<http://www.ars-pharma.com>

### Booth #1571

#### Pharmaceuticals

Our mission at ARS Pharmaceuticals is to provide at-risk patients and their families optimal protection from severe allergic reactions. We are developing a product that patients and their caregivers can use confidently by removing the barriers of anxiety or hesitation from administration.

## Aspire Allergy & Sinus

5929 Balcones Drive  
Suite 200  
Austin, TX 78731  
(210) 556-6131  
<http://aspireallergy.com>

### Booth #1849

#### Physician Recruitment

Aspire Allergy & Sinus is looking to acquire allergy practices across the U.S. and are currently in multiple states. We are looking to expand through purchasing reputable practices. We also help eliminate the hassles of running a practice. Aspire is currently recruiting Allergists for employment opportunities as well!

## Association of PAs in Allergy, Asthma & Immunology

PO Box 12554  
San Antonio, TX 78212  
(844) 444-0575  
<https://aapaaai.org/>

### Booth #1285

#### Professional Association

Our association was formed to promote the growth and development of PAs and NPs who have an active interest in the field of allergy, asthma, and immunology.

## Asthma and Allergy Foundation of America

1235 South Clark Street  
Suite 305  
Arlington, VA 22202  
(202) 466-7643  
<https://www.aafa.org/>

### Booth #1284

#### Patient/Public Education

The Asthma and Allergy Foundation of America (Aafa) is the leading nonprofit patient organization dedicated to saving lives and reducing the burden of disease for people with asthma and allergies through support, advocacy, education, and research. Visit [aafa.org](http://aafa.org) or [kidswithfoodallergies.org](http://kidswithfoodallergies.org) to learn more.

## AstraZeneca

1800 Concord Pike  
Wilmington, DE 19803  
(800) 236-9933  
<http://www.astrazeneca-us.com>

### Booth #2053

#### Pharmaceuticals

AstraZeneca is a global, science-led biopharmaceutical company that focuses on the discovery, development and commercialization of prescription medicines in Oncology and BioPharmaceuticals, including Cardiovascular, Renal & Metabolism, and Respiratory & Immunology. Based in Cambridge, UK, AstraZeneca operates in over 100 countries.

## AstraZeneca

1800 Concord Pike  
 Wilmington, DE 19803  
 (800) 236-9933  
<https://www.astrazeneca-us.com/>

### Booth #2024

#### Pharmaceuticals

AstraZeneca is a global, science-led biopharmaceutical company that focuses on the discovery, development and commercialization of prescription medicines in Oncology and BioPharmaceuticals, including Cardiovascular, Renal & Metabolism, and Respiratory & Immunology. Based in Cambridge, UK, AstraZeneca operates in over 100 countries.

## BioCryst Pharmaceuticals, Inc.

4505 Emperor Boulevard  
 Suite 200  
 Durham, NC 27703  
 (919) 226-5852  
<http://www.biocryst.com>

### Booth #1117

#### Pharmaceuticals

BioCryst is a biotech company committed to discovering novel, oral, small-molecule medicines that treat rare diseases in which significant unmet medical needs exist. We're dedicated to delivering extraordinary medicines that empower patients to live ordinary lives.

## bioMerieux

515 South Colorow Drive  
 Salt Lake City, UT 84108  
 (801) 736-6354  
<https://www.biofiredx.com>

### Booth #1154

#### Diagnostic Testing

BioFire Diagnostics offers syndromic infectious disease diagnostic solutions with several FDA-cleared and CE-marked assay-specific reagent panels. Each panel provides the ability to detect and identify a broad grouping of probable pathogens in a single, rapid PCR-based test. Learn more at [www.biofiredx.com](http://www.biofiredx.com)

## Blueprint Medicines

45 Sidney Street  
 Cambridge, MA 02139  
 (617) 374-7580  
<https://www.blueprintmedicines.com/>

### Booth #1750

#### Pharmaceuticals

Blueprint Medicines is a global precision therapy company that aims to invent medicines for people with cancer and blood disorders.

## Buzzy® Needle Relief by Pain Care Labs

195 Arizona Avenue Northeast  
 #LW08  
 Atlanta, GA 30307  
 (877) 805-2899  
<https://paincarelabs.com/>

### Booth #1263

#### Health/Body Care

Reduce pain & fear to improve adherence. Clinically proven Buzzy reduced pain, fear & fainting in 80+ RCTs. Used in 45,000,000+ procedures! Works for allergy testing, infusions, daily injections. Combines ice + patented vibration frequency. Blocks pain on contact, creating a comfortable patient experience & treatment journey.

## Chemotechnique Diagnostics / Dormer Laboratories

91 Kelfield Street  
 Unit 5  
 Toronto, ON M9W 5A3  
 Canada  
 (416) 242-6167  
<http://www.dormer.com>

### Booth #1358

#### Diagnostic Testing

Chemotechnique Diagnostics, Sweden, is a world leader in reliable patch testing materials. ONLY CHEMOTECHNIQUE'S 550 HAPTEN/ALLERGEN PORTFOLIO IS APPROVED BY HEALTH CANADA...you can patch test with confidence. Most advanced "IQ" chambers, regular IQ-ULTRA and water-resistant IQ-ULTIMATE, are leak-free and aluminum-free. Dormer Laboratories, Toronto, Canada, is Chemotechnique's North American Distributor.

## Chiesi Global Rare Diseases

One Boston Place  
 4000  
 Boston, MA 02108  
 (774) 245-2064  
<https://chiesirarediseases.com/>

### Booth #1128

#### Pharmaceuticals

Chiesi Global Rare Diseases is a business unit of the Chiesi Group established in February 2020 and focused on research and development of treatments for rare and ultra-rare disorders. For more information visit [chiesiglobalrarediseases.com/](http://chiesiglobalrarediseases.com/).

## Clinical Immunology Society

555 East Wells Street  
Suite 1100  
Milwaukee, WI 53202  
(414) 224-8095  
<https://clinimmsoc.org/CIS.htm>

### Booth #1176

#### Professional Association

The mission of the Clinical Immunology Society is to facilitate education, translational research and novel approaches to therapy in clinical immunology to promote excellence in the care of patients with immunologic/inflammatory disorders.

## Code Ana

123 Metairie Road  
Suite 203  
Metairie, LA 70005  
(617) 584-9181  
<https://codeana.org>

### Booth #1373

#### Other

Code Ana is a non-profit organization that equips schools, centers, and organizations to be prepared for medical emergencies - especially anaphylaxis.

## Cogent Biosciences

275 Wyman Street  
3rd Floor  
Waltham, MA 02451  
(617) 945-5576  
<https://www.cogentbio.com/>

### Booth #1155

#### Pharmaceuticals

Cogent Biosciences is a biotechnology company developing real solutions to treat genetically driven diseases with ongoing clinical research programs in Systemic Mastocytosis and Gastrointestinal Stromal Tumors (GIST). We are leveraging validated biology to address the true underlying drivers of disease and provide real hope for patients.

## coVita

212 Cottage Grove Avenue  
Suite C  
Santa Barbara, CA 93101  
(800) 707-5751  
<https://www.covita.net>

### Booth #2061

#### Diagnostic Equipment

For 45+ years, coVita has been providing breath analysis devices for medical applications, research and to improve public health. Our latest FDA cleared product, the NObreath® FeNO monitor aids in asthma management. Stop by our booth to see why our FeNO monitor has the features you have been waiting for.

## CSL Behring

1020 First Avenue  
King of Prussia, PA 19406-0901  
(610) 878-4000  
<https://www.cslbehring.com>

### Booth #1206

#### Pharmaceuticals

CSL Behring is a global biotherapeutics leader driven by our promise to save lives. We meet patients' needs using the latest technologies to develop and deliver innovative biotherapies that are used to treat serious and rare conditions such as coagulation disorders, primary immune deficiencies, hereditary angioedema and respiratory disease.

## CuraScript SD

255 Technology Park  
Lake Mary, FL 32746  
(877) 599-7748  
<https://curascriptsd.com/>

### Booth #1959

#### Pharmaceuticals

CuraScript SD provides integrated delivery solutions for the safe & efficient distribution of specialty pharmaceuticals & associated medical supplies.

## CURED (Campaign Urging Research for Eosinophilic Disease)

2937 Bayberry Drive  
Buffalo Grove, IL 60089  
(847) 361-3292  
<https://curedfoundation.org/>

### Booth #1262

#### Patient/Public Education

CURED is a not for profit foundation dedicated to those suffering from Eosinophilic Gastrointestinal Diseases (EGID), including eosinophilic esophagitis (EoE), eosinophilic gastritis (EoG), eosinophilic colitis (EoC), and other eosinophilic disorders. CURED is committed to raising substantial funding to aid in research.



## CVS Specialty

1 CVS Drive  
Woonsocket, RI 02895  
(800) 237-2767  
<https://www.cvsspecialty.com/>

### Booth #1970

#### Pharmaceuticals

Personalized Specialty Pharmacy Services Our commitment to helping patients and their physicians manage complex drug therapies by delivering individualized care with expertise, compassion and dedication has made us one of the leading specialty pharmacies in the country. To learn more or to enroll patients, call 1-800-238-7828.

## Cycle Pharmaceuticals

The Broers Building  
21 JJ Thomson Avenue  
Cambridge, CB3 0FA  
United Kingdom  
(234) 567-8900  
<https://cyclepharma.com/>

### Booth #2160

#### Pharmaceuticals

We're passionate about providing superior drug treatments and services to patients with rare metabolic, immunological and neurological conditions. We utilize the latest cutting-edge pharmaceutical technologies to better serve rare genetic disease patients. We also provide individualized support services to patients, families, carers and the healthcare professionals community. Every patient matters.

## DBV Technologies

106 Allen Road  
Suite 400  
Basking Ridge, NJ 07920  
(908) 679-5200  
<https://www.dbv-technologies.com>

### Booth #1826

#### Immunotherapy

DBV Technologies is a global biopharmaceutical company developing investigational epicutaneous immunotherapy (EPIT™) treatment options using our innovative technology platform, Viaskin™, for people suffering from life-threatening food allergies and other immunological disorders. Starting with peanut, we're investigating treatments designed to reduce the risk of unpredictable, life-threatening reactions due to accidental exposure.

## eClinicalWorks

2 Technology Drive  
Westborough, MA 01581  
(508) 836-2700  
<https://www.eclinicalworks.com/>

### Booth #1148

#### Computer Hardware/Software

eClinicalWorks is a privately held leader in healthcare IT, providing comprehensive Electronic Health Record (EHR) and Practice Management (PM) solutions to medical professionals worldwide.

## Elsevier

1600 John F. Kennedy Boulevard  
Suite 1600  
Philadelphia, PA 19103  
(215) 239-3900  
<https://www.us.elsevierhealth.com/>

### Booth #1468

#### Publications

Elsevier is a world-leading provider of information solutions that enhance the performance of science, health, and technology professionals, empowering them to make better decisions, and deliver better care.

## Enzyvant Therapeutics

2000 CentreGreen Way  
Suite 350  
Cary, NC 27513  
(910) 783-9391  
<https://www.enzyvant.com>

### Booth #1966

#### Pharmaceuticals

Enzyvant is a biopharmaceutical company making life-altering impact for people affected by rare disease, where communities are small, and the human need is immense. The company delivered one of the first Regenerative Medicine Advanced Therapy products and makes promising advances against some of the greatest challenges in immunology and cardiopulmonology.

## Eurofins Viracor

18000 West 99th Street  
Lenexa, KS 66219  
(816) 500-2390  
<https://www.eurofins-viracor.com/clinical/our-testing/allergy/>

### Booth #1248

#### Diagnostic Testing

Turn to Viracor for over 2,000 different allergy tests, some of which are highly esoteric and not performed at other commercial labs. Identify the cause of your patient's reaction with testing for adverse drug reactions, as well as food and environmental allergens.

## **Euroimmun US LLC**

1 Bloomfield Avenue  
Mountain Lakes, NJ 07046  
(973) 656-1000  
<http://www.euroimmun.us>

### **Booth #1122**

#### **Diagnostic Testing**

Since its inception in 1987, EUROIMMUN has consistently introduced successful diagnostic technologies like ELISA, western, and immunoblot assays. Our hallmark is the BIOCHIP Mosaic technology, which through its uniqueness and diagnostic precision, has set new standards in the clinical diagnostics industry.

## **Evme Inc.**

4546 El Camino Real  
B10 #705  
Los Altos, CA 94024  
(888) 501-3329  
<https://evme.com/pages/hcp>

### **Booth #1968**

#### **Health/Body Care**

Evme is focused on making breakthroughs in the way allergies and sensitivities are diagnosed, understood, and prevented. Our vision is to use data and education to reveal insights for skin allergies. Evme's solution begins with skincare, formulated based on comprehensive scientific research, decades of data, and clinical experience.

## **Food Allergy & Anaphylaxis Connection Team (FAACT)**

5512 Charleston Woods Drive  
Liberty Twp, OH 45044  
(815) 276-3015  
<https://www.FoodAllergyAwareness.org/>

### **Booth #1178**

#### **Patient/Public Education**

FAACT's mission is to educate, advocate, and raise awareness for all individuals and families affected by food allergies and life-threatening anaphylaxis. FAACT has all the facts you need to manage food allergies at school, dining out, issues in the workplace, as well as preparing for college, bullying, and traveling.

## **Food Allergy Research & Education**

7901 Jones Branch Drive  
Suite 240  
McLean, VA 22102  
(800) 929-4040  
<https://www.foodallergy.org>

### **Booth #1277**

#### **Patient/Public Education**

FARE is the nation's leading non-profit in food allergy advocacy and the largest private funder of food allergy research. FARE's innovative education, advocacy and research initiatives transform the future of food allergy through new/improved treatments and prevention strategies, effective policies and legislation, and novel approaches to managing the disease.

## **Forme Financial**

30 Cooper Square  
10th Floor  
New York, NY 10003  
(914) 417-4556  
<https://www.formefinancial.com/>

### **Booth #1771**

#### **Other**

Physicians, let's maximize your wealth. Financial stress is the second leading cause of burnout among physicians, even though you're in the top 5% of earners. We help take the stress of financial planning off your plate with streamlined, 360° wealth management.

## **Genentech**

1 DNA Way  
South San Francisco, CA 94080  
(800) 551-2231  
<https://www.gene.com/>

### **Booth #1224**

#### **Pharmaceuticals**

For more than 40 years, we've been following the science, seeking solutions to unmet medical needs. As a proud member of the Roche Group, we make medicines to treat patients with serious medical conditions. We are headquartered in South San Francisco, California.

## **GlaxoSmithKline**

410 Blackwell Street  
Durham, NC 27701  
(888) 825-5249  
<https://gsk.com>

### **Booth #1832**

#### **Pharmaceuticals**

GSK unites science, technology, and talent to get ahead of disease together. We prevent and treat disease with vaccines, specialty and general medicines.

## **Grifols USA, LLC.**

2410 Lillyvale Avenue  
Los Angeles, CA 90032  
(323) 225-2221  
<https://www.grifols.com/en/home>

### **Booth #1952**

#### **Other**

Grifols is a global healthcare company that since its founding in Barcelona in 1909 has enhanced the health and well-being of people around the world. Our four divisions - Bioscience, Diagnostic, Hospital, and Bio Supplies - develop, produce, and market innovative solutions and services in more than 100 countries.

## Hikma Specialty USA Inc

1809 Wilson Road  
 Columbus, OH 43228  
 (614) 241-4189  
<https://hikma-specialty.com/>

### Booth #2152

#### Pharmaceuticals

At Hikma Specialty USA Inc., we create high-quality medicines and help make them available and affordable to the people who need them. Our customers and partners know they can depend on us to deliver innovative solutions that meet today's healthcare needs. Visit <https://hikma-specialty.com/>

## HollisterStier Allergy

3525 North Regal Street  
 Spokane, WA 99207  
 (509) 964-1998  
<https://www.hsallergy.com>

### Booth #1843

#### Allergenic Extracts

HollisterStier Allergy is dedicated to being your partner in allergy management. Our complete line of high quality allergenic products and testing supplies allow allergy professionals to provide patients with the best possible care. Our product line includes extracts for diagnostic testing and immunotherapy, skin testing systems, and other ancillary supplies.

## Horizon Therapeutics

1 Horizon Way  
 Deerfield, IL 60015  
 (224) 383-3000  
<https://www.horizontherapeutics.com/>

### Booth #1734

#### Pharmaceuticals

Horizon is a global biotechnology company focused on the discovery, development and commercialization of medicines that address critical needs for people impacted by rare, autoimmune and severe inflammatory diseases.

## Immune Deficiency Foundation

7550 Teague Road  
 Suite 220  
 Hanover, MD 21076  
 (410) 321-6647  
<https://primaryimmune.org>

### Booth #1185

#### Physician Education

The Immune Deficiency Foundation improves the diagnosis, treatment, and quality of life of people affected by primary immunodeficiency through fostering a community empowered by advocacy, education, and research.

## Immune Epitope Database and Analysis Resource

9420 Athena Circle  
 La Jolla, CA 92037  
 (619) 878-0556  
<https://iedb.org>

### Booth #1368

#### Other

The Immune Epitope Database (IEDB) catalogs experimental data on antibody and T cell epitopes studied in humans, non-human primates, and other animal species in the context of infectious disease, allergy, autoimmunity, and transplantation. The IEDB also hosts tools to assist in the prediction and analysis of epitopes.

## Incyte Corp.

1801 Augustine Cut-off  
 Wilmington, DE 19803  
 (463) 203-9164  
<https://www.incyte.com>

### Booth #2043

#### Pharmaceuticals

Incyte is a Wilmington, Delaware-based, global biopharmaceutical company focused on finding solutions for serious unmet medical needs through the discovery, development, and commercialization of proprietary therapeutics. For additional information on Incyte, please visit [Incyte.com](https://www.incyte.com) and follow @Incyte on Twitter. For more information on OPZELURA™ (ruxolitinib) cream 1.5%, visit [OpzeluraHCP.com](https://OpzeluraHCP.com).

## International FPIES Association (I-FPIES)

330 River Avenue  
 Point Pleasant Beach, NJ 08742  
 (908) 910-4419  
<http://www.fpies.org>

### Booth #1180

#### Patient/Public Education

The International FPIES (Food Protein-Induced Enterocolitis Syndrome) Association is a recognized 501(c)3 nonprofit corporation and organization that provides education, support, and advocacy for individuals with Food Protein-Induced Enterocolitis Syndrome (FPIES) and their families.

## Ionis Pharmaceuticals

2855 Gazelle Court  
 Carlsbad, CA 92010  
 (914) 275-7134  
<https://www.ionispharma.com/>

### Booth #1865

#### Pharmaceuticals

For more than 30 years, Ionis has been the leader in RNA-targeted therapy, pioneering new markets and changing standards of care with its novel antisense technology. Ionis currently has three marketed medicines and a premier late-stage pipeline highlighted by industry-leading neurological and cardiometabolic franchises. To learn more, visit [www.ionispharma.com](https://www.ionispharma.com).

## Johnson & Johnson

199 Grandview Road  
Skillman, NJ 07960  
(862) 222-7631  
<https://www.zyrtecprofessional.com>

### Booth #1869

#### Health/Body Care

Zyrtec® and Aveeno®

## KabaFusion

17777 Center Court Drive North  
Suite 550  
Cerritos, CA 90703  
(832) 581-6748  
<https://www.kabafusion.com>

### Booth #2060

#### Pharmaceuticals

KabaFusion is a national, patient-focused home infusion company specializing in IVIG, SCIG and Acute IV therapies. As an industry-leader, with over 30 years' experience in home-infusion, we provide comprehensive support to our patients and providers before, during and after treatment. We believe in putting the "care" back in healthcare.

## kaléo

111 Virginia Street  
Suite 300  
Richmond, VA 23219  
(804) 545-6360  
<http://www.kaleo.com>

### Booth #1961

#### Pharmaceuticals

kaléo is a pharmaceutical company dedicated to building innovative solutions that can help empower patients with certain serious, life-threatening medical conditions and their caregivers. kaléo products combine established drugs with innovative delivery platforms, with the goal of achieving safety, efficacy and cost effectiveness.

## Klara

228 Park Ave S PMB 86397  
New York, NY 10003  
(919) 841-8100  
<https://www.klara.com/>

### Booth #1765

#### Other

Klara offers 2-way messaging and personalized communication automations that reduce redundant manual tasks. Our advanced phone integration transforms high call volume into centralized, efficient texting and you can improve practice operations, decrease staff burnout and increase patient retention.

## Lincoln Diagnostics, Inc.

PO Box 1128  
Decatur, IL 78253  
(217) 520-8817  
<https://www.lincolndiagnostics.com/>

### Booth #1106

#### Diagnostic Testing

Lincoln Diagnostics meets all current OSHA requirements-Multi-Test PC (Pain Control), UniTest PC, Multi-Test II, Multi-Test, Duotip-Test II, and Duotip-Test. Please visit us to learn why our devices are the most widely used and most extensively published on devices available.

## Med Learning Group

450 7th Avenue  
32nd Floor  
New York, NY 10123  
(908) 418-1445  
<https://www.medlearninggroup.com/>

### Booth #1350

#### Physician Education

The animations in this simulation will help describe the pathogenesis of chronic rhinosinusitis with nasal polyps, evaluate existing and newer agents that can be used to treat CRSwNP, and identify patients that may benefit from treatment with biologic therapies.

## MEDI LAZER

6950 West Via Olivero Avenue  
5  
Las Vegas, NV 89117  
(844) 556-3120  
<https://medilazer.net/>

### Booth #1254

#### Equipment/Supplies

Light therapy devices and hypoallergenic products.

## MedicoCX

800 West Main Street  
1460  
Boise, ID 83702  
(850) 598-1042  
<https://www.medico.cx>

### Booth #1860

#### Office Management

MedicoCX is a group of independent specialists, primarily allergists, dedicated to providing evidence-based, standardized care while also capitalizing on cumulative buying power in an effort to decrease the cost of medical supplies and medications, including biologics.

## **Merck & Co., Inc.**

2000 Galloping Hill Road  
Kenilworth, NJ 07033  
(908) 740-4000  
<https://www.merck.com/>

### **Booth #1948**

#### **Pharmaceuticals**

At Merck, we use the power of leading-edge science to save and improve lives around the world. We've been at the forefront of research, bringing forward medicines, vaccines, and innovative health solutions for the world's most challenging diseases.

## **Methapharm Inc**

81 Sinclair Boulevard  
Brantford, ON N3S 7X6  
Canada  
(416) 558-4466  
<http://www.methapharmrespiratory.com>

### **Booth #2052**

#### **Diagnostic Testing**

Methapharm Respiratory takes pride in working with healthcare practitioners to support the right diagnosis for patients exhibiting common respiratory symptoms. Methapharm Respiratory supports clinicians in the diagnostic process with methacholine and mannitol challenge tests as objective measures of airway hyperresponsiveness. We also offer training and education (CRCE) at no cost.

## **MGC Diagnostics**

350 Oak Grove Parkway  
St. Paul, MN 55127  
(651) 484-4874  
<https://mgcdiagnostics.com/>

### **Booth #1364**

#### **Diagnostic Equipment**

MGC Diagnostics® is a global medical technology company dedicated to cardiorespiratory health solutions. Our Exhaled Nitric Oxide, Forced Oscillation Technique and Spirometry devices are perfectly suited for clinical and research work in Allergy and Asthma clinics. Our systems provide solutions for early detection and medication control programs for Asthma Management.

## **Micro Direct, Inc.**

803 Webster Street  
Lewiston, ME 04240  
(800) 588-3381  
<https://www.mdspiro.com>

### **Booth #1769**

#### **Spirometry**

For almost 30 years, Micro Direct has been offering spirometers designed to meet your needs. From a simple hand-held to full featured PC and desktop models, Micro Direct has a spirometer to meet your needs. Please stop by our booth to see the exciting new spirometers we are offering.

## **MIR-Medical International Research**

5462 South Westridge Drive  
New Berlin, WI 53151  
(844) 464-7872  
<https://spirometry.com>

### **Booth #1836**

#### **Diagnostic Equipment**

MIR-Medical International Research is a manufacturer of portable spirometry devices for both hospital and clinic testing along with smart connected home use spirometers for the RPM/RTM marketplace.

## **Mission: Allergy, Inc.**

28 Hawleyville Road  
PO Box 45  
Hawleyville, CT 06440  
(203) 364-1570  
<https://missionallergy.com>

### **Booth #1352**

#### **Environmental Products**

Leading allergists recommend Mission: Allergy for its scientific accuracy and highest quality microfiber pillow and mattress encasings and products for allergen avoidance. Please stop by our booth to request your free supply of our informative Allergy Self-Help Guide for patients, and to view live Dust Mites in High-Definition.

## **Modernizing Medicine**

4850 T-Rex Avenue  
Suite 200  
Boca Raton, FL 33431  
(561) 880-2998  
<https://www.modmed.com/allergy-immunology/>

### **Booth #1761**

#### **Computer Hardware/Software**

The ModMed Allergy, Asthma and Immunology software suite is a cloud-based, electronic health records (EHR) system designed to adapt to each doctor's style of practice, remembering preferences and providing suggestions for exam notes and billing codes.

## **ModuleMD**

8359 Office Park Drive  
Grand Blanc, MI 48439  
(877) 347-7978  
<https://www.modulemd.com/>

### **Booth #2063**

#### **Computer Hardware/Software**

ModuleMD is the leading Allergist-designed SaaS solution. We enabled our customers nationwide to improve clinical performance, efficiency, and ROI with allergy-specific workflows and specialized billing services. ModuleMD's software suite incorporates EHR, Skin Testing, Immunotherapy, Practice Management, RCM, Patient Engagement, and more with partner integrations that enhance overall practice workflow.



## **Molekule**

10455 Riverside Drive  
Suite 100  
Palm Beach Gardens, FL 33410  
(833) 652-5326  
<https://molekule.com>

### **Booth #1964**

#### **Other**

Molekule's FDA-cleared air purifiers provide better indoor air quality (IAQ) by capturing and destroying airborne threats such as bacteria, viruses, fungi, and pollutants using a unique combination of HEPA filtration and light-activated technology so you can live, work, play, and breathe easier with cleaner, safer, better air.

## **Morgan Scientific, Inc.**

151 Essex Street  
8th Floor  
Haverhill, MA 01832  
(978) 521-4440  
<https://www.morgansci.com>

### **Booth #2054**

#### **Spirometry**

Morgan Scientific offers three generations of innovation in the PFT space from the original transfer test to the groundbreaking ComPAS2 PFT Enterprise Software. ComPAS2 partnered Vitalograph's Pneumotrac is the perfect match for your spirometry needs.

## **MotherToBaby Pregnancy Studies**

9500 Gilman Drive  
MC 0828  
La Jolla, CA 92093  
(877) 311-8972  
<http://mothertobaby.org/healthcare-professionals/allergy-immunology/>

### **Booth #1282**

#### **Patient/Public Education**

MotherToBaby Pregnancy Studies conducts observational research on the safety of medications and vaccines in pregnancy which allows us to help moms and healthcare providers make informed treatment decisions. If you have a patient who is currently pregnant and managing these conditions, refer them today!

## **National Allergy Bureau**

555 East Wells Street  
Suite 1100  
Milwaukee, WI 53202  
(414) 272-6071  
<https://pollen.aaaai.org/#/>

### **Booth #1163**

#### **Patient/Public Education**

Visit the NAB's booth to view the latest ATLAS and to learn more about this international Aerobiology network. Speak to experts in the field, too!

## **National Eczema Association**

505 San Marin Drive  
Suite B300  
Novato, CA 94945  
(415) 499-3474  
<https://nationaleczema.org/>

### **Booth #1371**

#### **Patient/Public Education**

Your partner in eczema care, NEA provides resources for your patients and practice to make the most of office visits, treatment decisions & ongoing eczema management. NEA's free app EczemaWise helps patients manage their eczema and be more engaged in their care, developed with input from physicians, patients & caregivers.

## **National Institute of Environmental Health Sciences**

111 TW Alexander Drive  
Research Triangle Park, NC 27709-0043  
(919) 541-3345  
<https://www.niehs.nih.gov/>

### **Booth #1470**

#### **Patient/Public Education**

The National Institute of Environmental Health Sciences (NIEHS), part of the National Institutes of Health, is located in Research Triangle Park, North Carolina. Our mission is to discover how the environment affects people, in order to promote healthier lives. NIEHS is home to the National Toxicology Program (NTP).

## **Nestlé Health Science**

1041 US Highway 202  
Bridgewater, NJ 08807  
(800) 422-ASK2 (2752)  
<https://www.nestlehealthscience.com>

### **Booth #1132**

#### **Nutrition**

Nestlé Health Science is a globally recognized leader in the science of nutrition. It is committed to empowering healthier lives and has an industry-leading portfolio of medical nutrition, consumer care and pharmaceutical solutions, with food allergies as a key pillar. For more information, please visit [www.nestlehealthscience.com](http://www.nestlehealthscience.com)

## **Nexus HR Services**

8795 Folsom Boulevard  
Suite 205  
Sacramento, CA 95826  
(916) 339-7040  
<https://www.nexusshr.com>

### **Booth #1146**

#### **Office Management**

Acting as your full-service, remote HR manager, we won't just answer questions—we'll also do the work for you. From government agency requests, employee communications, company policies, and more, Nexus HR handles all those tedious and stressful tasks so you don't have to.

## Novartis Pharmaceutical Corporation

One Health Plaza  
East Hanover, NJ 07936  
(862) 325-0278  
<https://www.novartis.com>

### Booth #1727

#### Pharmaceuticals

Novartis is reimagining medicine to improve and extend people's lives. As a leading global medicines company, we use innovative science and digital technologies to create transformative treatments in areas of great medical need.

## Octapharma USA

117 West Century Road  
Paramus, NJ 07652  
(551) 305-8605  
<https://www.octapharmausa.com/>

### Booth #1149

#### Immunotherapy

Octapharma is a Swiss-based manufacturer committed to patient care and medical innovation. Octapharma's business involves the development of high quality plasma protein and recombinant therapies.

## OIT Connect

126 College Street  
Suite B  
Battle Creek, MI 49037  
(269) 342-2593  
<https://www.oitconnect.com/Content/default.html>

### Booth #1118

#### Computer Hardware/Software

OITConnect™ offers an easy, HIPAA-compliant way to document food oral immunotherapy treatments for both doctors and patients while increasing the safety and efficiency of an OIT clinical practice.

## Option Care Health

3000 Lakeside Drive  
Suite 300N  
Bannockburn, IL 60015  
(224) 775-6100  
<https://optioncare.com>

### Booth #1151

#### Other

Option Care Health, the largest national independent infusion therapy provider in the U.S., provides infusion therapy treatments for acute and chronic conditions at home or at one of our infusion suites across all 50 states. Our purpose is to provide extraordinary care along every step of the infusion therapy process.

## Optum Infusion Pharmacy

15529 College Boulevard  
Lenexa, KS 66219  
(913) 217-9766  
<https://optum.com>

### Booth #2050

#### Other

Optum® Infusion Pharmacy is a home infusion care provider with a national network of pharmacies. We specialize in immunoglobulin, parenteral nutrition, anti-infectives, hydration, biologics and other specialty infusions. Our comprehensive services include specially trained in-house nurses and pharmacists, around-the-clock clinical support, reimbursement specialists and ongoing patient education.

## Pfizer

66 Hudson Yards  
New York, NY 10001  
(212) 733-2323  
<https://www.pfizer.com>

### Booth #1112

#### Pharmaceuticals

## Pfizer

66 Hudson Yards  
New York, NY 10001  
(212) 733-2323  
<http://www.pfizer.com>

### Booth #1233

#### Pharmaceuticals

## Pfizer

66 Hudson Yards  
New York, NY 10001  
(212) 733-2323  
<http://pfizer.com>

### Booth #2069

#### Pharmaceuticals

## **Pharming Healthcare Inc.**

10 Independence Boulevard  
4th Floor  
Warren, NJ 07059  
(267) 614-9255  
<https://www.pharming.com/>

### **Booth #1240**

#### **Pharmaceuticals**

Pharming Healthcare, Inc. is a global, commercial stage biopharmaceutical company developing innovative protein replacement therapies and precision medicines for the treatment of rare diseases and unmet medical needs.

## **Propeller Health**

1 South Pinckney Street  
Suite 610  
Madison, WI 53703  
(877) 251-5451  
<https://propellerhealth.com/>

### **Booth #1249**

#### **Other**

Propeller Health is a precision digital health company on a mission to uplift every person living with chronic disease. Our FDA-cleared digital therapeutic platform collects the data needed to monitor medication use, proactively identify at-risk patients, and maintain a line of sight into patient health between visits and prescription refills.

## **PulmOne USA**

444 Madison Avenue  
6th Floor  
New York, NY 10022  
(888) 635-9798  
<https://www.pulm-one.com/>

### **Booth #1732**

#### **Diagnostic Equipment**

Learn about the MiniBox+: Complete Pulmonary Function Testing (PFT) with cabinless, portable plethysmography. FAST: Lung Volumes, Spirometry and DLCO in only 20 minutes. EASY: Fully automated. ACCURATE: Proven equivalency to body box. SAFE: Complies with COVID-19 safety recommendations. Widely used by physicians across the U.S.

## **Rabbit Air**

125 North Raymond Avenue  
Suite 308  
Pasadena, CA 91103  
(626) 396-9197  
<https://www.rabbitair.com/>

### **Booth #1130**

#### **Environmental Products**

Founded in 2004, our Los Angeles-based company has dedicated its time, energy, and resources to perfecting a product that improves quality of life: the air purifier. Utilizing HEPA filtration along with a charcoal filter, our air purifiers are powerful, sleek, yet quiet and complementing of any environment.

## **Reacta Healthcare**

Reacta Healthcare  
2, Newtech Square  
Deeside Industrial Park,  
Deeside, CH5 2NT  
United Kingdom  
07725564631  
<http://www.reactahealthcare.com>

### **Booth #1868**

#### **Immunotherapy**

Reacta Healthcare develops and manufactures challenge meals for use in food allergy clinical trials. Building from this foundation, we offer innovative development and manufacturing solutions across the food allergy space.

## **Reckitt/Mead Johnson Nutrition**

2400 West Lloyd Expressway  
Evansville, IN 47721  
(812) 429-5000  
<http://www.hcp.meadjohnson.com>

### **Booth #1348**

#### **Nutrition**

Mead Johnson Nutrition (MJN)/Reckitt has combined state-of-the-art research, scientific partnerships, and commitment to the highest quality and nutritional standards. Our Enfa portfolio and innovations are trusted by parents and healthcare professionals around the world to support growing families at every stage of development. To explore our portfolio, visit [www.hcp.meadjohnson.com](http://www.hcp.meadjohnson.com)

## Red Maple Trials

2505 St. Laurent Boulevard  
 Ottawa, ON K1H 1E4  
 Canada  
 (613) 368-4320  
<https://www.redmapletrials.com/>

### Booth #1252

#### Clinical Research Organizations

Red Maple Trials provides specialty clinical trial services in allergy, asthma and immunology. Our unique facilities include allergen exposure chambers that provide controlled environments for innovative allergy research.

## Regeneron and Sanofi

777 Old Saw Mill River Road  
 Tarrytown, NY 10591  
 (914) 847-7000  
<https://www.dupixenthcp.com>

### Booth #1910

#### Pharmaceuticals

Regeneron and Sanofi collaborate to jointly develop certain fully-human monoclonal antibody therapies under a global collaboration agreement. Regeneron is a leading biotechnology company that invents life-transforming medicines for serious diseases. Sanofi is a global biopharmaceutical company focused on human health. For more information, visit [www.Regeneron.com](http://www.Regeneron.com) and [www.Sanofi.com](http://www.Sanofi.com).

## Regeneron and Sanofi

777 Old Saw Mill River Road  
 Tarrytown, NY 10591  
 (914) 847-7000  
<https://www.regeneron.com/>

### Booth #1217

#### Pharmaceuticals

Regeneron and Sanofi collaborate to jointly develop certain fully-human monoclonal antibody therapies under a global collaboration agreement. Regeneron is a leading biotechnology company that invents life-transforming medicines for serious diseases. Sanofi is a global biopharmaceutical company focused on human health. For more information, visit [www.Regeneron.com](http://www.Regeneron.com) and [www.Sanofi.com](http://www.Sanofi.com).

## Revivacor Inc.

1700 Kraft Drive  
 Suite 2400  
 Blacksburg, VA 24060  
 (540) 808-2606  
<https://www.revivacor.com>

### Booth #1152

#### Pharmaceuticals

Alpha-Gal Syndrome: How to overcome the impact of this meat allergy? A Solution: The availability of a unique FDA approved pig, GalSafe™. GalSafe™ Food Products contain a USDA label indicating an alpha-gal free product that does not contain detectable levels of alpha-gal which causes allergic responses in AGS patients.

## SENTA Partners

8200 Roberts Drive  
 Suite 450  
 Sandy Springs, GA 30350  
 (678) 933-6349  
<https://www.sentapartners.com/>

### Booth #1370

#### Office Management

SENTA Partner physicians provide the highest quality allergy, asthma, immunology and otolaryngology care through our network of practices.

## Silicon Valley Innovations

5470 Kietzke Lane  
 Suite 300  
 Reno, NV 89511  
 (702) 246-2207  
<https://nasoclenz.com/>

### Booth #2058

#### Health/Body Care

NasoClenz is an antiseptic cleansing kit designed for the nose. Unlike sprays or messy rinses, we've created a comfortable, convenient way to clean and moisturize the nose, even when you're on the go. The nose is often the first stop for allergens, smoke, germs, and other particles in the air.

## SmartPractice

3400 East McDowell Road  
 Phoenix, AZ 85008  
 (800) 878-3837  
[https://www.smartpractice.com/shop/site?id=SPA&utm\\_source=dermatologyredirect&utm\\_medium=catalog&utm\\_campaign=dental&g=RE\\_DERM](https://www.smartpractice.com/shop/site?id=SPA&utm_source=dermatologyredirect&utm_medium=catalog&utm_campaign=dental&g=RE_DERM)

### Booth #1951

#### Patient/Public Education

SmartPractice Dermatology | Allergy provides innovative patch test products and easier access to educational resources to help diagnose allergic contact dermatitis and find solutions to help your patients live healthier, happier lives.

## Stallergenes Greer

639 Nuway Circle  
 PO Box 800  
 Lenoir, NC 28645  
 (800) 378-3906  
<https://www.STAGRAAllergy.com>

### Booth #1140

#### Allergenic Extracts

Headquartered in North Carolina, Stallergenes Greer's business in the United States is part of a leading global biopharmaceutical company specializing in the development and commercialization of allergy immunotherapy (AIT) products and services for use in the diagnosis and treatment of allergies.

## **Stallergenes Greer**

639 Nuway Circle  
PO Box 800  
Lenoir, NC 28645  
(800) 378-3906  
<https://www.stallergenesgreerus.com>

### **Booth #1134**

#### **Allergenic Extracts**

Headquartered in North Carolina, Stallergenes Greer's business in the United States is part of a leading global biopharmaceutical company specializing in the development and commercialization of allergy immunotherapy (AIT) products and services for use in the diagnosis and treatment of allergies.

## **Takeda Pharmaceuticals (Alpha-1)**

650 East Kendall Street  
Cambridge, MA 02142  
(877) 825-3327  
<https://www.takeda.com>

### **Booth #1824**

#### **Pharmaceuticals**

Takeda is a global, values-based, R&D-driven biopharmaceutical leader headquartered in Japan, committed to discover and deliver life-transforming treatments, guided by our commitment to patients, our people and the planet. [www.takeda.com](http://www.takeda.com)

## **Takeda Pharmaceuticals (HAE & PI)**

650 East Kendall Street  
Cambridge, MA 02142  
(877) 825-3327  
<https://www.takeda.com>

### **Booth #1822**

#### **Pharmaceuticals**

Takeda is a global, values-based, R&D-driven biopharmaceutical leader headquartered in Japan, committed to discover and deliver life-transforming treatments, guided by our commitment to patients, our people and the planet. [www.takeda.com](http://www.takeda.com)

## **TerSera Therapeutics**

520 Lake Cook Road  
Suite 500  
Deerfield, IL 60015  
(847) 739-7942  
<https://www.tersera.com>

### **Booth #1124**

#### **Pharmaceuticals**

TerSera Therapeutics is a specialty pharmaceutical company headquartered in suburban Chicago. Our mission is to develop and market products which truly make a difference for patients.

## **Teva Pharmaceuticals**

400 Interpace Parkway  
Parsippany, NJ 07054  
(816) 718-1624  
<https://www.tevausea.com>

### **Booth #2032**

#### **Pharmaceuticals**

Teva has been developing and producing medicines to improve people's lives for more than a century. We are a global leader in generic and specialty medicines with a portfolio of over 35,000 products.

## **The Clinical Trials Network (CTNx)**

700 West St. Clair Avenue  
Suite 414  
Cleveland, OH 44113  
(833) 843-2869  
<https://thectnx.com/>

### **Booth #1259**

#### **Clinical Research Organizations**

The Clinical Trials Network provides physicians the ability to enhance their practices by contributing to clinical research, while providing patients with the latest treatments. We streamline research activities providing one budget, one contract, and one point of contact.

## **The European Academy of Allergy and Clinical Immunology (EAACI)**

Hagenholzstrasse 111 3rd Floor  
Zurich, 8050  
Switzerland  
+41 44 205 55 39  
<https://eaaci.org>

### **Booth #1965**

#### **Clinical Research Organizations**

EAACI is an association of clinicians, researchers and allied health professionals, dedicated to improving the health of people affected by allergic diseases with more than 13,000 members from 124 countries and over 50 National Allergy Societies.

## **The Mast Cell Disease Society**

PO Box 416  
Sterling, MA 01564  
(832) 506-4180  
<https://www.tmsforacure.org>

### **Booth #1181**

#### **Patient/Public Education**

The Mast Cell Disease Society, Inc. (TMS) is a nonprofit organization dedicated to providing multi-faceted support to patients, families, and medical professionals in our community and to leading the advancement of knowledge and research in mast cell diseases through education, advocacy and collaboration. Learn more at [www.tmsforacure.org](http://www.tmsforacure.org).



## **The Permanente Medical Group, Inc.**

1800 Harrison Street  
7th Floor  
Oakland, CA 94612  
(510) 625-4120  
<https://northerncalifornia.permanente.org/careers/>

### **Booth #1955**

#### **Other**

The Permanente Medical Group (TPMG) is the largest medical group in the United States. Our 9,300 physicians and 40,000 staff are leading the transformation of health care. Through nation-leading quality, preeminent research, we are delivering superior clinical outcomes and often life-changing impact on our patients.

## **Thermo Fisher Scientific**

Rapsgatan 7P  
Uppsala, 751 37  
Sweden  
(461) 816-5000  
<http://thermofisher.com/phadia>

### **Booth #1971**

#### **Diagnostic Equipment**

Thermo Fisher Scientific is the world leader in serving science. Our mission is to enable our customers to make the world healthier, cleaner and safer. Our complete blood test systems support the clinical diagnosis of allergy, asthma and autoimmune diseases.

## **Thorasys Thoracic Medical Systems Inc.**

6560 Avenue de L'Esplanade  
Suite 103  
Montreal, QC H2V4L5  
Canada  
(514) 384-8555  
<https://www.thorasys.com/>

### **Booth #2066**

#### **Diagnostic Equipment**

THORASYS is a digital health company that develops and brings to market innovative solutions for pulmonary assessment offering accessible, accurate and simplified testing for every patient along with deeper insights that are easy to interpret. Our device tremoflo® C-100, Airwave Oscillometry System (AOS), measures lung function quickly and easily.

## **Virant Diagnostics**

11002 Veirs Mill Road  
Suite 404  
Wheaton, MD 20902  
(877) 888-2973  
<https://virantdx.com/>

### **Booth #1362**

#### **Diagnostic Testing**

Virant Diagnostics is a new cutting-edge reference laboratory, focusing on allergy and immunology diagnostic tests. Our specialized test menu includes flow cytometry (Immunophenotyping and Basophil Activation panels), ImmunoCAP allergy panels (sIgE & IgG4), and a comprehensive laboratory-developed angioedema diagnostic platform (Next-Generation Sequencing, Immunochemistry and Mass Spectrometry on complement pathway components).

## **Vitalograph, Inc.**

13310 West 99th Street  
Lenexa, KS 66215  
(913) 730-3228  
<https://vitalograph.com/healthcare/>

### **Booth #1266**

#### **Diagnostic Equipment**

A Global Leader in Respiratory Diagnostics At Vitalograph, we constantly work to push the boundaries of innovation through our high-quality medical devices. Our devices are found in healthcare and occupational health settings worldwide, where they are used to aid the diagnosis and management of respiratory conditions.

## **Wise Prince LLC**

1715 Hannaford Drive  
Sugar Grove, IL 60554  
(773) 960-4730  
<http://foodallergyfix.com>

### **Booth #1261**

#### **Immunotherapy**

The Food Allergy Fix is an integrative and evidence-based approach to food allergen desensitization, providing education and tools to empower families living with life-threatening food allergy. Best-selling books, a mobile app for oral immunotherapy dosing, and web portal for allergists to track patient progress during OIT.

## **World Allergy Organization**

555 East Wells Street  
Suite 1100  
Milwaukee, WI 53202  
(414) 276-1791  
<https://worldallergy.org>

### **Booth #1260**

#### **Professional Association**

The World Allergy Organization (WAO) is an international umbrella organization whose members consist of 109 regional and national allergology and clinical immunology societies from around the world. By collaborating with member societies, WAO provides direct educational outreach programs, symposia and lectureships to members in nearly 100 countries around the globe.

## **XLEAR, INC.**

723 South Auto Mall Drive  
PO Box 1421  
American Fork, UT 84003  
(801) 492-2055  
<https://xlear.com>

### **Booth #1250**

#### **Health/Body Care**

Xlear, Inc., the leading name in xylitol consumer products, is the most trusted company by medical and oral care professionals as well as consumers. Our Spry Dental Defense System and patented Xlear nasal care products use Pharmaceutical grade Xylitol to help our customers have better oral and upper-respiratory health.

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European Academy of Allergy and  
Clinical Immunology  
9 – 11 June 2023  
Hamburg, Germany



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Pathways from precision medicine to  
personalised health care  
in allergy and asthma

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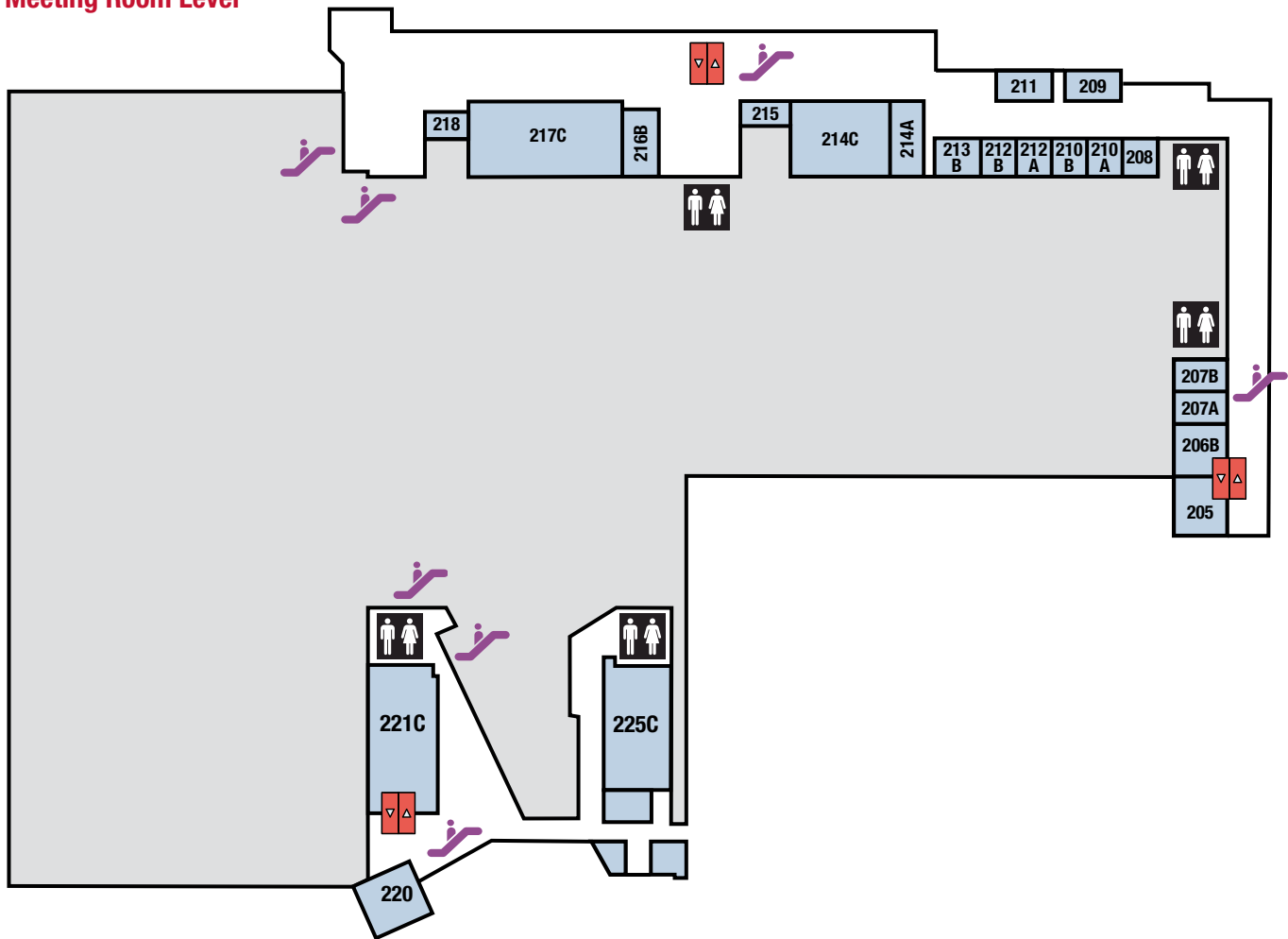


**AAAAA** American Academy of  
Allergy Asthma & Immunology  
**ANNUAL MEETING**  
SAN ANTONIO, TX · FEBRUARY 24–27, 2023



# Henry B. González Convention Center Floor Plan

## Meeting Room Level



First Aid

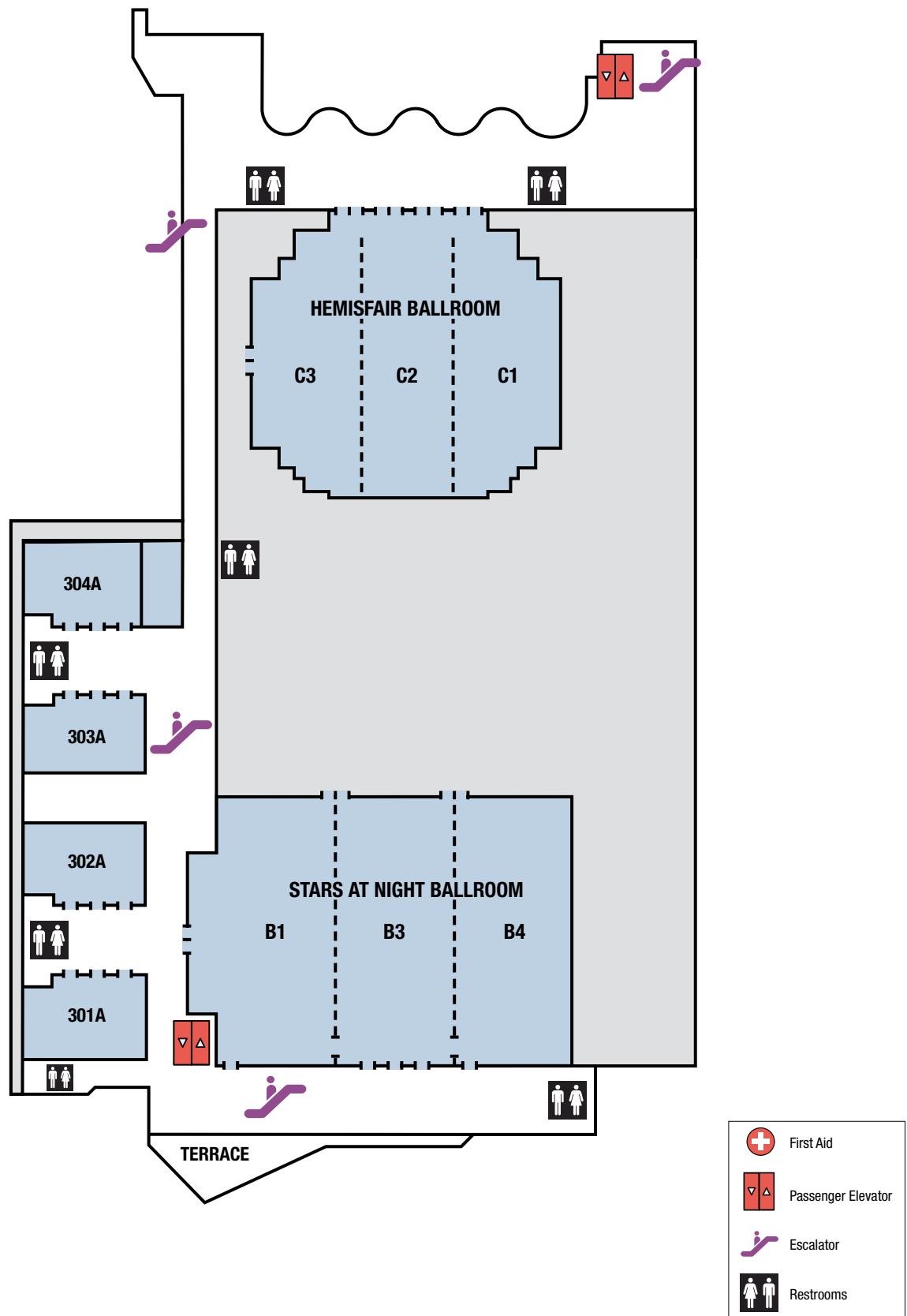
Passenger Elevator

Escalator

Restrooms

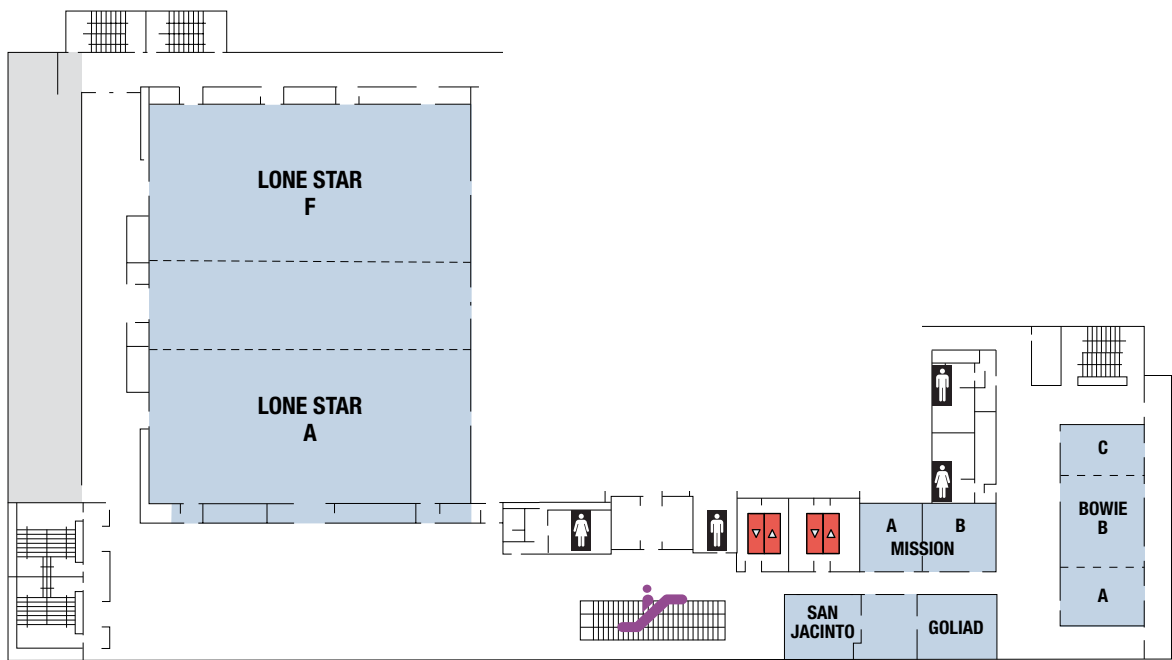
# Henry B. González Convention Center Floor Plan

## Ballroom Level

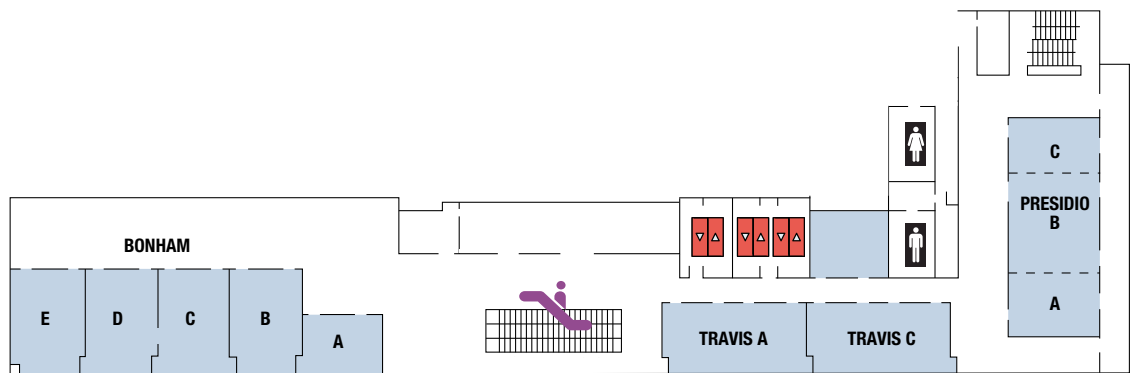


# Hyatt San Antonio Floor Plan

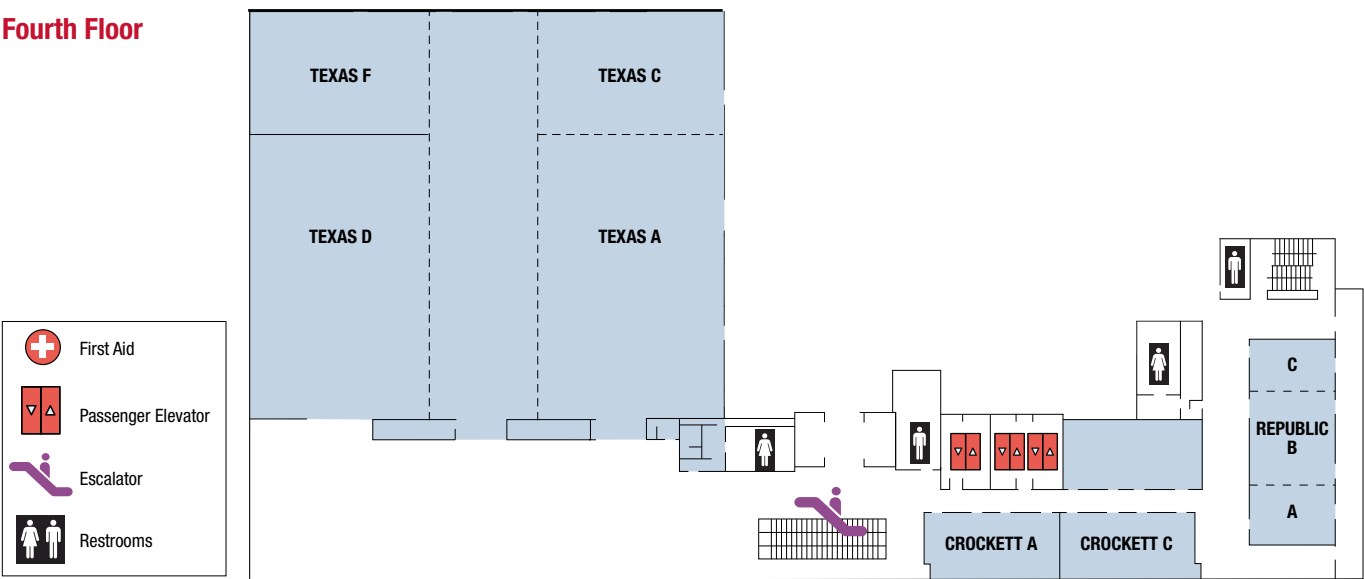
### Second Floor



### Third Floor



### Fourth Floor



# Marriott Rivercenter Floor Plan

## Third Floor





# Exhibit Floor Plan



## A

Abramson, Stuart L., MD PhD AE-C FAAAAI, San Angelo, TX - 1520  
Abudayyeh, Ala, MD, Houston, TX - 5004  
Aceves, Seema S., MD PhD FAAAAI, La Jolla, CA - 2306, 5301  
Adams, Karla E., MD, FAAAAI, San Antonio, TX - 1526, 1801, 3524  
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Agache, Ioana O., MD PhD, Brasov, Romania - 0501, 3302  
Akbar, Arne N., PhD, London, United Kingdom - 5202  
Akdis, Cezmi A., MD FAAAAI, Davos Wolfgang, Switzerland - 1528, 2101, 5601  
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## B

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Butte, Manish, MD PhD, Los Angeles, CA - 1522, 1806

## C

Cahill, Katherine N., MD FAAAAI, Nashville, TN - 2006, 4703, 5304  
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Chow, Timothy, MD, Dallas, TX - 1212, 5506  
Chu, Derek K., MD PhD, Vaughan, Canada - 4306, 5409  
Ciaccio, Christina E., MD FAAAAI, Chicago, IL - 1202, 2811, 4002  
Cianferoni, Antonella, MD PhD FAAAAI, Philadelphia, PA - 2511, 5604  
Codispoti, Christopher D., MD PhD FAAAAI, Chicago, IL - 3511  
Cole Johnson, Christine, PhD MPH FAAAAI, Detroit, MI - 5101  
Coleman, Amaziah, MD, Silver Spring, MD - 1531  
Commins, Scott P., MD PhD, Chapel Hill, NC - 3305  
Cooper, Megan A., MD PhD, Webster Groves, MO - 1204, 1806

Copaescu, Ana Maria M., MD, Montreal, Canada - 2305, 5401  
 Corren, Jonathan, MD, Los Angeles, CA - 1509  
 Corry, David B., MD, Houston, TX - 1524  
 Cox, Amanda L., MD FAAAAI, New York, NY - 3401, 4701  
 Cox, Linda, MD FAAAAI, Casper, WY - 5403  
 Crain, Maria A., RN MA CPNP, Prosper, TX - 2308, 2821  
 Croft, Michael, PhD, La Jolla, CA - 2010  
 Croston, Tara L., PhD, Morgantown, WV - 3604  
 Cunningham-Rundles, Charlotte, MD PhD FAAAAI, New York, NY - 1, 3303, 5204  
 Curotto de Lafaille, Maria, PhD, New York, NY - 2307  
 Curtiss, Miranda L., MD PhD, Birmingham, AL - 1201, 1505  
 Custovic, Adnan, MD PhD FAAAAI, London, United Kingdom - 5102

## D

Dahlsgaard, Katherine, PhD, Phoenix, AZ - 1533, 5802, 5805  
 Dalan, Dan, MD FAAAAI, Waterloo, IA - 3008, 5607  
 Dantzer, Jennifer A., MD, Baltimore, MD - 5808  
 Darr, Jennifer M., MSW LCSW, Denver, CO - 2309  
 Davis, Carla M., MD FAAAAI, Houston, TX - 1531, 1810  
 Davis, Ray S., MD FAAAAI, Saint Louis, MO - 3503  
 Del Giacco, Stefano, MD, Phoenix, AZ - 3302  
 Dellon, Evan S., MD, Chapel Hill, NC - 2306  
 Demain, Jeffrey G., MD FAAAAI, Anchorage, AK - 5001  
 Devonshire, Ashley L., MD MPH, Cincinnati, OH - 1802  
 Dicipinigitis, Peter, MD, Bronx, NY - 4302  
 Dispenza, Melanie C., MD PhD, Baltimore, MD - 4303  
 Doherty, Taylor A., MD FAAAAI, La Jolla, CA - 1209, 1528  
 Dorsey, Morna J., MD MMSc FAAAAI, San Francisco, CA - 2510  
 Dowden, Amy M., MD FAAAAI, Iowa City, IA - 1110  
 Dribdin, Timothy E., MD, Cincinnati, OH - 3506  
 Durban, Raquel Z., MS RD LDN, Charlotte, NC - 2310, 2505, 5803  
 Durkee-Shock, Jessica R. MD, Bethesda, MA - 3603  
 Durrani, Sandy, MD, Cincinnati, OH - 1529  
 Dwyer, Daniel F., PhD, Boston, MA - 1209

## E

Eisenbarth, Stephanie C., MD PhD, Cheshire, CT - 2307, 2611, 4009  
 Elkayam, David, MD, Bellingham, WA - 2813  
 Elliott, Tania, MD, San Francisco, CA - 1205  
 Ellis, Anne K., MD MSc FAAAAI, Kingston, Canada - 5410  
 Elverson, Wendy, RD LDN, Arlington, MA - 2505, 3513  
 Engler, Renata J., MD FAAAAI, Silver Spring, MD - 4007  
 English, Emily, PNP, Chapel Hill, NC - 1515  
 Epland, Kristin, NP, Maple Grove, MN - 1511, 3512  
 Epstein, Tolly I., MD MS FAAAAI, Carmel, IN - 2805, 3309, 4307, 5008  
 Esty, Brittany, MD MPH, Brookline, MA - 1803

## F

Falcone, Emilia L., MD PhD, Montreal, Canada - 5204  
 Farber, Donna L., PhD, New York, NY - 1802  
 Farmer, Jocelyn, MD PhD, Boston, MA - 1012, 2603, 2509, 3303  
 Felton, Jennifer M., PhD, Cincinnati, OH - 5301  
 Ferrer, Marta M., MD PhD, Pamplona, Spain - 5007  
 Florsheim, Esther, PhD, Tempe, AZ - 4304  
 Foer, Dinah, MD, Boston, MA - 4305  
 Fonacier, Luz S., MD FAAAAI, Mineola, NY - 1011, 2401, 3523

Forbes Satter, Lisa R., MD FAAAAI, Houston, TX - 1501, 2303, 4603  
 Freeman, Theodore M., MD FAAAAI, Helotes, TX - 2802, 3502  
 Fried, Ari J., MD, Chestnut Hill, MA - 3605  
 Fuleihan, Ramsay L., MD FAAAAI, New York, NY - 1522  
 Fulop, Tamas, MD PhD, Sherbrooke, Canada - 5202

## G

Gagen-Hursey, Terri, NP, Baltimore, MD - 2012  
 Galant-Swofford, Jessica, MD, Denver, CO - 1807, 5501  
 Gallo, Richard, MD PhD, San Diego, CA - 2304, 3101  
 Gao, Li, PhD, Baltimore, MD - 5707  
 Garantziotis, Stavros, MD, Research Triangle Park, NC - 2522  
 Garvey, Lene H., MD PhD, Hellerup, Denmark - 4712  
 George, Maureen, PhD RN AE-C, New York, NY - 1530  
 Gerdtts, Jennifer, BComm, Toronto, Canada - 2310  
 Gern, James E., MD FAAAAI, Middleton, WI - 1809, 5101  
 Gevaert, Philippe, MD PhD, Gent, Belgium - 5602  
 Goldbach-Mansky, Raphaela T., MD MHS, Bethesda, MD - 4005  
 Golden, David, MD FAAAAI, Owings Mills, MD - 2506, 3502, 4601, 5001  
 Gonzalez-Estrada, Alexei, MD, Jacksonville, FL - 2001  
 Gorelik, Mark, MD, New York, NY - 3301  
 Gorska, Magdalena M., MD PhD FAAAAI, Denver, CO - 3310  
 Graham, Emily L., MSHIM RHIA CCS-P, Washington, DC - 1520  
 Grant, Torie L., MD, Baltimore, MD - 1515  
 Grayson, Mitchell H., MD FAAAAI, Columbus, OH - 1110, 1533, 2405, 3301, 4006  
 Green, Todd D., MD FAAAAI, Pittsburgh, PA - 1110  
 Greenberger, Paul A., MD FAAAAI, Chicago, IL - 2803  
 Gregory, Karen L., DNP APRN-BC RRT AE-C, Edmond, OK - 1515, 2021, 5008  
 Greiwe, Justin C., MD FAAAAI, Terrace Park, OH - 1805, 5807  
 Groetch, Marion E., MS RDN, New York, NY - 1212, 3401  
 Gudjonsson, Johann E., MD PhD, Ann Arbor, MI - 1523  
 Guo, Canting, MD, Charleston, WV - 1201  
 Gupta, Meera R., MD FAAAAI, Houston, TX - 2302, 4302  
 Gupta, Ruchi S., MD MPH, Chicago, IL - 2521, 2805, 4101  
 Gupta, Sudhir, MD PhD MACP FAAAAI, Irvine, CA - 1803  
 Guttman-Yassky, Emma, MD PhD, New York, NY - 501, 4301, 4306, 5605

## H

Haczku, Angela, MD PhD FAAAAI, Davis, CA - 3010, 3608, 5705  
 Hagan, John B., MD FAAAAI, Rochester, MN - 1509  
 Hajjar, Joud, MD MS, Pearland, TX - 1012, 5204  
 Han, Joseph K., MD FAAAAI, Norfolk, VA - 3308, 3508  
 Hanania, Nicola A., MD MS, Missouri City, TX - 2302  
 Harb, Hani, PhD, Dresden, Germany - 5704  
 Hartert, Tina V., MD MPH, Nashville, TN - 3306  
 Heberton, Meghan M., MD - 5003  
 Heimall, Jennifer, MD FAAAAI, Philadelphia, PA - 2510, 3011, 3510  
 Hellings, Peter W., MD, Leuven, Belgium - 3707  
 Henrickson, Sarah E., MD PhD FAAAAI, Philadelphia, PA - 1203, 2509, 2603, 5208  
 Herbert, Linda, PhD, Washington, DC - 1804, 5505  
 Herlihy, Lauren, RN MSN CPNP, Durham, NC - 5801, 5806, 5808  
 Hernandez, Michelle L., MD FAAAAI, Apex, NC - 1012, 2809

Hernandez-Trujillo, Vivian P., MD FAAAAI, Davie, FL - 1202, 1522, 1801  
Hise, Kathleen S., MD, Baltimore, MD - 2803  
Hoffman, Hal M., MD, La Jolla, CA - 1201  
Hoffmann, Hans Jurgen, MD, Aarhus, Denmark - 2009  
Hogan, Simon P., PhD, Ann Arbor, MI - 2812  
Holbreich, Mark, MD FAAAAI, Indianapolis, IN - 2511  
Holguin, Fernando, MD MPH, Aurora, CO - 1210  
Hong, David I., MD FAAAAI, Boston, MA - 2305, 3006, 5407  
Horner, W. Elliott, PhD LEED AP FAAAAI, Marietta, GA - 201  
Hotez, Peter, MD, PhD, Houston, TX - 2701  
Howell, Michael D., PhD, San Diego, CA - 2405  
Hoyt, Alice, MD, Metairie, LA - 2308  
Hsieh, Elena, MD, Aurora, CO - 2509  
Huang, Yvonne, MD, Ann Arbor, MI - 2522  
Hubbard, Tamara, LCPC, Lake Zurich, IL - 1210, 1810, 2309

## I

Iammatteo, Melissa, MD FAAAAI, White Plains, NY - 2808, 5005  
Iliev, Iliyan, PhD, Ithaca, NY - 3310  
Irvine, Alan D., MD, Dublin, Ireland - 0501  
Irwin, Michael R., MD - 5507  
Iweala, Onyinye I., MD PhD, Chapel Hill, NC - 3301, 5305  
Izadi, Neema, MD MS, Los Angeles, CA - 1011, 1201

## J

Jack, Carolyn, MDCM PhD - 0501  
Jacobsen, Elizabeth A., PhD, Scottsdale, AZ - 4714  
Jacobson, Kraig W., MD FAAAAI, Eugene, OR - 201  
Jariwala, Sunit P., MD FAAAAI, Livingston, NJ - 2002, 2402  
Jarjour, Nizar N., MD, Madison, WI - 3521  
Jarvinen-Seppo, Kirsi M., MD PhD FAAAAI, Rochester, NY - 5302  
Jefferson, Akilah A., MD MSc, Little Rock, AR - 1525  
Jerschow, Elina, MD FAAAAI, Bronx, NY - 1209, 3003  
Ji, Hong, PhD, Davis, CA - 1203  
Jones, Bridgette, MD MS FAAAAI, Kansas City, MO - 2602, 3307  
Jones, Stacie M., MD FAAAAI, Little Rock, AR - 1012  
Juhn, Young J., MD MPH, Rochester, MN - 4305, 5102  
Jutel, Marek M., MD PhD, Wroclaw, Poland - 3302

## K

Kabourek, Jamie L., MS RD, Lincoln, NE - 2310, 5803  
Kahwash, Basil M., MD, Nashville, TN - 1805, 2602, 5807  
Kakumanu, Sujani S., MD FAAAAI, Middleton, WI - 2402, 3507  
Kalra, Anjali P., MD, Aurora, CO - 1503  
Kambayashi, Taku, Philadelphia, PA - 2807  
Kaplan, Mark H., PhD FAAAAI, Indianapolis, IN - 1523  
Kastner, Daniel L., MD, Bethesda, MD - 1806  
Kato, Atsushi, PhD, Chicago, IL - 1209  
Kattan, Jacob D., MD FAAAAI, New York, NY - 2008  
Kau, Andrew L., MD PhD, Saint Louis, MO - 1204, 2304, 3005  
Keet, Corinne, MD MS PhD, Chapel Hill, NC - 2521, 3611  
Keller, Michael, MD, Laurel, MD - 2303, 3603  
Kelsen, Judith R., MD, Philadelphia, PA - 5303  
Kelso, John M., MD FAAAAI, San Diego, CA - 601, 2805, 4712, 5401  
Kertz, Lila C., DNP APRN CPNP, Saint Louis, MO - 5807  
Keswani, Anjeni, MD FAAAAI, Washington, DC - 1532, 4008  
Khan, David A., MD FAAAAI, Dallas, TX - 1011, 1012, 1601, 2301, 2701

Khan, Yasmin W., MD, Nashville, TN - 0601  
Khokhar, Dilawar S., MD, Seattle, WA - 5806  
Khoury, Paneez, MD MHSc FAAAAI, Bethesda, MD - 1110, 2810, 3706  
Khurana Hershey, Gurjit K., MD PhD FAAAAI, Cincinnati, OH - 1203, 1809, 5702  
Kiley, James P., PhD, Bethesda, MD - 3521  
Kim, Brian S., MD MTR, St. Louis, MO - 4304  
Kim, Edwin H., MD FAAAAI, Chapel Hill, NC - 1012, 1201, 1207, 3611  
Kim, Jennifer S., MD FAAAAI, Chicago, IL - 1020  
Kipnis, Jonathan, PhD, St. Louis, MO - 5701  
Kita, Hirohito, MD, Scottsdale, AZ - 1524, 2508  
Kliron, Amy, MD, Baltimore, MD - 2507  
Kloepfer, Kirsten M., MD MS FAAAAI, Indianapolis, IN - 1211, 1808  
Koepke, Jerald W., MD FAAAAI, Littleton, CO - 2813  
Kong, Heidi, MD MHSc, Bethesda, MD - 2304  
Konstantinou, George N., MD PhD MSc FAAAAI, Kalamaria, Greece - 1532  
Korenblat-Hanin, Melissa T., ACSW LCSW, Saint Louis, MO - 2309  
Kottyan, Leah C., PhD, Cincinnati, OH - 1203  
Kraft, Monica T., MD - 1805  
Krantz, Matthew S., MD, Nashville, TN - 1205, 2502, 4608  
Krishnan, Jerry, MD, Chicago, IL - 2551  
Kuang, Fei Li, MD PhD, Chicago, IL - 1531, 2507  
Kuder, Margaret, MD, Independence, OH - 2402  
Kwah, Jason, MD, New Haven, CT - 3304, 3609  
Kwan, Mildred, MD PhD FAAAAI, Chapel Hill, NC - 2806

## L

Lack, Gideon, MD, London, United Kingdom - 2521  
Laidlaw, Tanya M., MD FAAAAI, Boston, MA - 1601, 3304, 3552, 3707  
Lam, Kent, MD, Norfolk, VA - 3508  
Lang, David M., MD FAAAAI, Cleveland, OH - 2801, 5410  
Lanser, Bruce J., MD MPH FAAAAI, Denver, CO - 2309, 2821  
Lara-Marquez, Maria Luz L., MD PhD FAAAAI, San Diego, CA - 4007, 5103, 5507  
Larenas Linnemann, Desiree E., MD FAAAAI, Mexico City, Mexico - 2607, 3309, 4713  
Lawrence, Monica G., MD FAAAAI, Charlottesville, VA - 2303, 5505  
Lee, Deborah L., MD, Ann Arbor, MI - 4710  
Lee, Gerald B., MD FAAAAI, Atlanta, GA - 1803, 3307  
Lee, Stella, MD, Boston, MA - 3308  
Leeds, Stephanie A., MD FAAAAI, Old Greenwich, CT - 1201  
Leiding, Jennifer W., MD FAAAAI, Seminole, FL - 1501, 2552  
Lemons, Angela R., MS, Morgantown, WV - 3604  
Leonard, Stephanie A., MD FAAAAI, San Diego, CA - 2811, 3401  
Leung, Donald Y.M., MD PhD FAAAAI, Denver, CO - 4301  
Levetin, Estelle, PhD FAAAAI, Tulsa, OK - 201  
Levin, Michael E., MD PhD MBBCh PhD, Cape Town, South Africa - 5302  
Levine, Stewart J., MD, Bethesda, MD - 5705  
Lewis, Megan O., MSN CRNP, Philadelphia, PA - 2013, 2308, 5802, 5805  
Lio, Peter A., MD, Chicago, IL - 5605  
Liu, Anne Y., MD, Stanford, CA - 5401  
Liu, Mark C., MD FAAAAI, Baltimore, MD - 5104  
Longman, Randy, MD PhD, Ithaca, NY - 3708



Lopes, JP, MD - 5501  
 Lopez, Maria C., MD - 5501  
 Louisias, Margee, MD MPH, Chestnut Hill, MA - 1530, 3306  
 Lu, Huifang, MD PhD FAAAAI, Houston, TX - 3303  
 Lucas, Carrie L., PhD, New Haven, CT - 1807  
 Luengo, Olga, MD PhD, Barcelona, Spain - 4307  
 Lukacs, Nicholas D., PhD, Waxhaw, NC - 2812  
 Lumry, William R., MD FAAAAI, Dallas, TX - 5408  
 Luong, Amber U., MD PhD, Houston, TX - 5606  
 Lutter, Rene, PhD, Amsterdam, Netherlands - 1808  
 Lynch, Susan V., PhD, San Francisco, CA - 1211  
 Lyons, Jonathan, MD, North Potomac, MD - 1807

## M

MacGinnitie, Andrew J., MD PhD, Newton, MA - 2811  
 Mack, Douglas P., MD, Burlington, Canada - 1529  
 Macy, Eric M., MD FAAAAI, San Diego, CA - 1205, 3601, 4305  
 Maglione, Paul J., MD PhD, Boston, MA - 1806  
 Mahdavinia, Mahboobeh, MD PhD, Chicago, IL - 3009, 3305, 3607  
 Maples, Kelly M., MD FAAAAI, Suffolk, VA - 1201, 1510  
 Martin, Bryan L., DO FAAAAI, Powell, OH - 2301  
 Martinez, Fernando D., MD, Tucson, AZ - 5602  
 Matsui, Elizabeth C., MD MHS FAAAAI, Austin, TX - 2809  
 Matz, Jonathan, MD FAAAAI, Columbia, MD - 4602  
 McClenathan, Bruce M., MD FAAAAI, Sanford, NC - 1  
 McGowan, Emily C., MD PhD FAAAAI, Charlottesville, VA - 5301  
 Metz, Gregory M., MD FAAAAI, Oklahoma City, OK - 2021  
 Micheletti, Robert G., MD, Philadelphia, PA - 2005  
 Mikita, Cecilia, MD MPH, Bethesda, MD - 1  
 Miller, Lisa A., PhD, Davis, CA - 2101  
 Miller, Rachel L., MD FAAAAI, New York, NY - 2101  
 Mills, Christa, MSN RN, Cincinnati, OH - 3401  
 Milner, Joshua D., MD FAAAAI, New York, NY - 3510  
 Modena, Brian D., MD MSc, La Jolla, CA - 1506  
 Mora, Juanita, MD, Chicago, IL - 2606  
 Moran, Timothy P., MD PhD FAAAAI, Durham, NC - 2604, 2812, 4009  
 Morrisette, Robyn M., PA-C, Alexandria, VA - 2310  
 Mosnaim, Giselle S., MD MS FAAAAI, Wilmette, IL - 5504  
 Mudd, Kim E., RN MSN CCRP, Baltimore, MD - 1212, 2821  
 Muehling, Lyndsey M., PhD, Charlottesville, VA - 1808  
 Mukherjee, Manali, PhD, Hamilton, Canada - 5703  
 Murphy, Kevin R., MD, Omaha, NE - 2813  
 Mustafa, S. Shahzad, MD FAAAAI, Pittsford, NY - 1205, 1208, 3401  
 Myles, Ian A., MD MPH, Kensington, MD - 2522, 3701, 4301

## N

Nadeau, Kari C., MD PhD FAAAAI, Palo Alto, CA - 4101, 5307  
 Nagler, Cathryn R., PhD, Chicago, IL - 3101, 3310, 5204  
 Namazy, Jennifer A., MD FAAAAI, San Diego, CA - 4710  
 Nanda, Anil, MD FAAAAI, Lewisville, TX - 2523, 4302  
 Nayak, Ajay P., PhD FAAAAI, Philadelphia, PA - 1527  
 Nedorost, Susan, MD, Plain City, OH - 1528  
 Nelson, Caroline, MD, New Haven, CT - 2005, 2808  
 Nelson, Harold S., MD FAAAAI, Denver, CO - 3309, 4713, 5603  
 Nelson, Michael R., MD PhD FAAAAI, Charlottesville, VA - 1011, 2802  
 Newcomb, Dawn C., PhD, Nashville, TN - 4714, 5208

Nguyen, Anh P., MD, Sacramento, CA - 3007  
 Nicholas, Sarah K., MD, Houston, TX - 2806  
 Nicolaides, Rory, MD, Dallas, TX - 5506  
 Nowak-Wegrzyn, Anna H., MD PhD FAAAAI, New York, NY - 2605, 2811, 5604  
 Nyenhuis, Sharmilee M., MD MPH FAAAAI, Chicago, IL - 1210, 1805, 2402, 3602, 3702, 5103

## O

O'Connor, Maeve E., MD FAAAAI, Charlotte, NC - 2405  
 Ogbogu, Princess U., MD FAAAAI, Chagrin Falls, OH - 1110, 2405, 2802, 3706  
 Oliver, Eric T., MD FAAAAI, Middle River, MD - 5707  
 Ollert, Markus W., MD, Esch-Sur-Alzette, Luxembourg - 3302  
 Ong, Peck Y., MD FAAAAI, Los Angeles, CA - 3601, 5002  
 Oppenheimer, John, MD FAAAAI, Morristown, NJ - 1533  
 Orange, Jordan S., MD PhD FAAAAI, New York, NY - 1204  
 Ortega Martell, José Antonio, MD, Pachuca, Mexico - 2301  
 Otani, Iris M., MD FAAAAI, San Francisco, CA - 2552, 3304  
 Otto, Hans F., MD FAAAAI, Florence, KY - 0001  
 Otto, Michael, PhD, Bethesda, MD - 3310  
 Ovsyannikova, Inna G., PhD, Rochester, MN - 5202

## P

Pacha, Omar, MD - 5003  
 Pacheco, Karin A., MD MSPH FAAAAI, Denver, CO - 1206, 2401, 4010  
 Pacheco, Susan E., MD, Houston, TX - 1206  
 Palaskas, Nicolas L., MD, Houston, TX - 5004  
 Paller, Amy S., MD, Chicago, IL - 501  
 Pappalardo, Andrea A., MD FAAAAI, Chicago, IL - 2811, 3606  
 Parrish, Christopher P., MD FAAAAI, Plano, TX - 1525, 3401  
 Patel, Anisha, MD, Houston, TX - 5003  
 Patel, Gayatri B., MD MS, Chicago, IL - 2805  
 Patil, Sarita U., MD FAAAAI, Newton, MA - 1012, 4010, 5305  
 Patterson, Amber M., MD FAAAAI, Findlay, OH - 2009, 2607  
 Peden, David B., MD MS FAAAAI, Chapel Hill, NC - 3007  
 Peebles, Stokes, MD FAAAAI, Nashville, TN - 1502, 2307  
 Peng, Tammy, MD, Los Angeles, CA - 5503  
 Permaul, Perdita, MD FAAAAI, New York, NY - 2604, 3002, 5704  
 Peter, Jonathan G., MD PhD, Cape Town, South Africa - 5402  
 Peterman, Morgan, APN - 3401  
 Peters, Anju T., MD MSCI FAAAAI, Chicago, IL - 1210, 5409, 5606  
 Peters, Michael C., MD, San Francisco, CA - 5704  
 Phadke, Neelam A., MD, Melrose, MA - 1205  
 Phillips, Elizabeth J., MD FAAAAI, Franklin, TN - 1201, 1601, 4303  
 Phipatanakul, Wanda, MD MS FAAAAI, Hopkinton, MA - 2809, 5104  
 Pirmohamed, Munir, Liverpool, United Kingdom - 2808  
 Pistiner, Michael, MD MMSc, Newton, MA - 2811, 3501  
 Pitlick, Mitchell, MD, Rochester, MN - 2402  
 Pityn, Peter J., PhD, London, Canada - 3008  
 Ponda, Punita, MD FAAAAI, Bayside, NY - 2506, 3305, 3551, 4713  
 Pongdee, Thanai, MD FAAAAI, Rochester, MN - 2402  
 Poole, Jill A., MD FAAAAI, Omaha, NE - 1206  
 Pope, Samuel M., PhD JD, Rockford, IL - 5205  
 Portnoy, Jay M., MD FAAAAI, Kansas City, MO - 1205, 1515, 2809,



3704, 5603

Price, LeShawndra, PhD, Rockville, MD - 1531

Prince, Benjamin T., MD MCSI FAAAAI, Columbus, OH - 4305

Prince, Esther N., MD - 1504

Puck, Jennifer M M., MD, San Francisco, CA - 1203

## Q

Quinn, James M., MD FAAAAI, San Antonio, TX - 3524, 5001

## R

Rachid, Rima A., MD FAAAAI, Boston, MA - 1207, 2301, 3005

Rahimi, Rod A., MD PhD, Boston, MA - 5304

Ramon, German Dario D., MD FAAAAI, Buenos Aires, Argentina - 4307, 5607

Ramratnam, Sima K., MD MPH, Madison, WI - 5101

Ramsey, Allison C., MD FAAAAI, Rochester, NY - 1205, 4003, 4305

Rance, Karen S., DNP CPNP, Noblesville, IN - 1212

Rank, Matthew A., MD FAAAAI, Scottsdale, AZ - 5409

Rathkopf, Melinda M., MD, Eagle River, AK - 1202

Rawlings, David J., MD, Seattle, WA - 1522

Reddy, Ashwini, MD FAAAAI, Philadelphia, PA - 5205

Redmond, Margaret, MD, Columbus, OH - 1208

Reeder, David J., MD, Gilbert, AZ - 1532

Renz, Harald E., MD FAAAAI, Marburg, Germany - 1206, 1211, 5604

Rider, Nick L., DO FAAAAI, Houston, TX - 2002

Riedl, Marc A., MD MS, La Jolla, CA - 5007

Risma, Kimberly A., MD PhD FAAAAI, Cincinnati, OH - 1012, 2305

Roach, Anita, Arlington, VA - 1530

Rorie, Andrew C., MD FAAAAI, Omaha, NE - 201, 1206, 4307

Rosas-Salazar, Christian, MD, Nashville, TN - 1809

Rosenberg, Daniel L., MD, Madison, WI - 1201

Rosenkranz, Melissa A., PhD, Madison, WI - 5103

Ross, Jacqueline A., MD, Ocean, NJ - 2401, 2804

Ross, Jaime E., RN MSN, New York, NY - 2012, 5801

Rothenberg, Marc E., MD PhD FAAAAI, Cincinnati, OH - 1011

Rubin, Marc L., BScPharm, Austin, TX - 2402

Ruda Wessell, Kathryn M., DO, Westlake, OH - 1020

Ruffner, Melanie A., MD PhD, Rutledge, PA - 1203, 2306, 5305

Ryan, Patrick H., PhD, Cincinnati, OH - 3306

## S

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Saini, Sunil K., MD FAAAAI, Mission Viejo, CA - 1011

Sampson, Hugh A., MD FAAAAI, New York, NY - 3705, 5307

Samuelson, Derrick - 2007

Sandoval, Ashley, MD, Orange, CA - 1011

Scala, Enrico, Roma, Italy - 3305

Schafer, Ewa H., MD FAAAAI, Glenview, IL - 2523, 5503

Schaible, Allison M., RDN, Woodside, NY - 3513

Schatz, Michael, MD MS FAAAAI, San Diego, CA - 2801, 4710

Scherzer, Rebecca, MD FAAAAI, Columbus, OH - 2405, 3307, 3703

Schleimer, Robert P., PhD FAAAAI, Chicago, IL - 3308

Schmidt, Brianne L., RD, Spencerport, NY - 1504

Schneider, Lynda C., MD FAAAAI, Brookline, MA - 3101, 5002, 5406

Schoch, Jennifer, MD, Tampa, FL - 2304

Schuler, Charles F., MD, Plymouth, MI - 3505

Schwartz, David J., MD, Potomac, MD - 0001

Schwartz, Justin, MD, Cincinnati, OH - 1207, 2306

Sehmi, Roma, PhD FAAAAI, Oakville, Canada - 3708

Serota, Marc J., MD, Littleton, CO - 1011, 2013, 2401, 2804, 3001

Seumois, Gregory, PhD, La Jolla, CA - 1204

Shaker, Marcus, MD MS FAAAAI, Lebanon, NH - 1801

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Sharif, Hanisah, PhD - 1507, 5601

Sharma, Hemant P., MD MHS FAAAAI, Ellicott City, MD - 5103, 5503

Sharma, Sunita - 1204

Sheehan, William J., MD FAAAAI, Bethesda, MD - 3002

Sheikh, Javed, MD FAAAAI, Los Angeles, CA - 1011

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Sheu, Eric, MD PhD - 5208

Shreffler, Wayne, MD PhD FAAAAI, Beverly, MA - 4101, 5301

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Simpson, Eric, MD MCR, Portland, OR - 0501

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