



AAAAI American Academy of
Allergy Asthma & Immunology

ANNUAL MEETING

PHOENIX, AZ · FEBRUARY 25–28, 2022

Final Program



Difficult to Control Asthma
#AAAAI22

Introducing the newest member of the AAAAI Family of Scientific Journals

JACI GLOBAL

The Journal of Allergy
and Clinical Immunology:

Don't miss the launch of *The Journal of Allergy and Clinical Immunology: Global*, the AAAAI's new Gold Open Access Journal, as it joins the esteemed family of AAAAI scientific journals with the debut of its inaugural issue this week!

Reach a global audience by publishing your original research in allergy and immunology, basic science, Phase I/II clinical trials, population studies, and more. As an Open Access Journal, JACI: Global is open to anyone with internet access.



David B. Peden, MD, MS,
FAAAI Editor-in-Chief,
JACI: Global



Visit the Journals Booth to learn about the AAAAI family of journals and pick up your complimentary copies. (Convention Center, North Building, Lower Level, Concourse)

Welcome



American Academy of
Allergy Asthma & Immunology
ANNUAL MEETING
PHOENIX, AZ · FEBRUARY 25–28, 2022

Dear Colleagues,

Welcome to the 2022 AAAAI Annual Meeting. Our face-to-face meeting February 25–28 in Phoenix is taking place responsibly with appropriate health and safety measures. On behalf of the AAAAI, thank you in advance for following these protocols that are designed to ensure a safe, informative and successful Annual Meeting.

A/I clinicians from around the world have gathered in person to learn from top experts in the field, exchange ideas and best practices, and access the latest research and education as we all strive to provide optimal care to our patients. The Annual Meeting features you know and love have returned, including social events, networking opportunities and more. No one understands better than your peers what the past 2 years have been like for you. Many of us have felt a real need to be together for support, encouragement, and rejuvenation, so we hope this Annual Meeting fulfills these needs too.

The Annual Meeting Program Committee has constructed an impressive educational program, which includes a clinical theme of Difficult to Control Asthma. While the theme covers about 20% of our sessions, the remaining 80% were developed through member submissions and includes 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 or to our other session tracks.

Add the Plenary and Keynote Sessions to Your Meeting Schedule

Join us Friday at 2:15 pm for the Presidential Plenary titled Digital Health and Remote Patient Monitoring for Patients with Difficult to Control Asthma. The Friday Presidential Plenary will discuss how digital health technologies and remote patient monitoring systems can be leveraged as a tool to support these patients, and the clinicians caring for them, in order to achieve better asthma outcomes.

Our plenary sessions continue at 8:15 am on Saturday, Sunday, and Monday, where you can learn about preparing for the next pandemic, novel mechanisms and emerging therapeutic interventions related to anaphylaxis, and the prevention of food allergy and other allergic diseases.

We are especially excited for Hannah Valentine, MD, who recently retired from her position as the inaugural NIH Chief Officer for Scientific Workforce Diversity, to deliver the Keynote on Saturday at 3:30 pm. She will cover the importance of diversity in academia and team performance, and will describe innovative strategies for achieving a culture of inclusive excellence in academia.

The AAAAI recognized that not everyone would be comfortable attending an in-person meeting, so the plenaries and keynote are among the select sessions being livestreamed for those who opted to attend the 2022 Annual Meeting virtually. Other virtual components for this year's meeting include a set of 69 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 Exhibit Hall and virtual Poster Hall.

Download the Meeting App and Join the Social Media Conversation

Remember to download the official 2022 Annual Meeting app from the App Store or Play Store on your mobile device. It allows you 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 Phoenix 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. And if you post on social media during the meeting, use our #AAAI122 hashtag so patients and other colleagues can follow along and see what you are learning.

Attend the AAAAI Foundation Events to Support A/I Research

Fun and camaraderie with your fellow attendees awaits you at the AAAAI Foundation's events: Saturday's Benefit at the Hyatt Regency Phoenix and Sunday's 5K Run/Walk in downtown Phoenix. By registering and attending, you are showing your support for dedicated allergy/immunology research.

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

Sincerely,

Giselle M. Mosnaim, MD MS FAAAAI
AAAI President

Leonard B. Bacharier, MD FAAAAI
Chair, Annual Meeting Program Committee

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AAAI-1021-218

The AAAAI Annual Meeting is not a public event. Programs presented at the Annual Meeting are for the education of attendees and purchasers of livestreamed and recorded presentations as authorized by the AAAAI. Any use of program content, the name of a speaker and/or program title, or the name of the AAAAI without the written consent of the AAAAI is prohibited. The "program content" includes, but is not limited to, oral presentations, audio visual materials used by the speakers and program handouts. This rule applies before, during and/or after the meeting.

The AAAAI endorses only those activities described in this printed program. Any other events occurring in the city of Phoenix, Arizona during the AAAAI Annual Meeting are not sanctioned by the AAAAI.

SAVE THE DATE



American Academy of
Allergy Asthma & Immunology

ANNUAL MEETING

SAN ANTONIO, TX · FEBRUARY 24–27, 2023

#AAAI23
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Annual Meeting Programming



American Academy of
Allergy Asthma & Immunology
ANNUAL MEETING
PHOENIX, AZ · FEBRUARY 25–28, 2022

Leadership

Leonard B. Bacharier, MD FAAAAI, Chair
Joshua A. Boyce, MD FAAAAI Vice Chair

Interest Section Chairs, Vice Chairs and Secretaries

Anaphylaxis, Dermatology and Drug Allergy (ADDA)
Julie Wang, MD FAAAAI, ADDA Chair
Kimberly Blumenthal, MD MSc FAAAAI, ADDA Vice Chair
Miguel A. Park, MD, ADDA Secretary

Asthma Diagnosis and Treatment (ADT)

Sharmilee Nyenhuis, MD FAAAAI, ADT Chair
Thanai Pongdee, MD FAAAAI, ADT Vice Chair
Alan P. Baptist, MD MPH FAAAAI, ADT Secretary

Basic and Clinical Immunology (BCI)

Rebecca Scherzer, MD FAAAAI, BCI Chair
Jennifer Leiding, MD FAAAAI, BCI Vice Chair
Lisa R. Forbes Sattler, MD FAAAAI, BCI Secretary

Environmental and Occupational Respiratory Diseases (EORD)

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

Food Allergy and Eosinophilic Disorders (FAED)

Amal Assa'ad, MD FAAAAI, FAED Chair
Christina Ciaccio, MD FAAAAI, FAED Vice Chair
Rima A. Rachid, MD FAAAAI, FAED Secretary

Health Outcomes, Education, Delivery and Quality (HEDQ)

Princess Ogbogu, MD FAAAAI, HEDQ Chair
Kristin Sokol, MD MS MPH FAAAAI, HEDQ Vice Chair
Sujani Kakumanu, MD FAAAAI, HEDQ Secretary

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

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

Mechanisms of Asthma and Allergic Inflammation (MAAI)

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

Allied Health Leadership

Maria Crain, RN MA CPNP, Co-Chair
J. Andrew Bird, MD FAAAAI, Co-Chair

Basic Science Workgroup

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Taylor Doherty, MD FAAAAI, Chair
Nora A. Barrett, MD FAAAAI, Vice Chair
Cecilia Berin, PhD
Lori Broderick, MD PhD
Mitchell H. Grayson, MD FAAAAI
Andrew Kau, MD PhD
Christina L. Nance, PhD MA
Supinda Bunyavanich, MD MPH FAAAAI

Clinical Science Workgroup

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Stanley J. Szefler, MD FAAAAI
Bruce G. Bender, PhD FAAAAI
Daniel J. Jackson, MD FAAAAI
Sunit Jariwala, MD FAAAAI
Paul O'Byrne, MD FAAAAI
Tamara T. Perry, MD FAAAAI
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Joaquin Sastre, MD PhD FAAAAI
Paul V. Williams, MD FAAAAI

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Maria Crain, RN MA CPNP
Anne M. Ditto, MD FAAAAI
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Brian T. Kelly, MD
Bruce J. Lanser, MD
Mary V. Lasley, MD FAAAAI
Thomas P. Miller, MD FAAAAI
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Brian C. Schroer, MD
Scott Sicherer, MD FAAAAI
Pamela H. Steele, MSN CPNP AE-C
Kasey R. Strothman, MD FAAAAI
Kara J. Wada, MD

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

Annual Meeting Programming



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Interest Section Volunteer Reviewers for Proposals and Abstracts

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Interest Section Volunteer Reviewers for Proposals and Abstracts (continued)

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Benjamin Wright, MD FAAAAI

Eveline Wu, MD

Ejaz Yousef, MD FAAAAI

Joseph Yusin, MD FAAAAI

Supporting every area of your practice every day

Coding Questions?

For the expert advice your practice needs, visit the AAAAI Coding Question Archive Search tool, or email: Coding@aaaai.org

What problem does your practice need to solve?

Learn more at the Practice Management Hub

“Thank you so much. Your help is so appreciated. The AAAAI website is terrific, It’s helped tremendously.”

Brenda

Because **Practice Matters!** to the AAAAI

AAAAI-1121-413



AAAAI Foundation

Annual Benefit

—2022—

A large, stylized red teardrop graphic is centered behind the title text, partially overlapping the "Annual Benefit" and "—2022—" text.

Join us February 26, 2022

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

2021 Faculty Development Awards

Hyatt Regency Phoenix • 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.aaaiafoundation.org/special-events/benefit

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Meeting Information



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Abstracts

Abstracts programmed at the 2022 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.

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, North Building, Lower Level, Hall 6 Concourse

Visit the AAAI Foundation desk to pick up your Benefit tickets, 5K Run/Walk race packet, and Friend of the President and New Allergist/Immunologist Assembly Ribbons.

You can make a donation to the AAAI Foundation's GAIN Campaign at any time during the meeting by texting the word GAIN to 243725 or pressing the DONATE icon on the Annual Meeting app.

AAAAI Journals

Convention Center, North Building, Lower Level, Hall 6 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 waiting to answer your questions regarding subscriptions and submissions.

Annual Meeting Mobile App

Sponsored by AstraZeneca

The AAAI has a mobile app dedicated to the 2022 Annual Meeting. This app features tools allowing you to search by speaker or session type, organize your schedule, evaluate speakers and sessions, respond to polls and ask questions in sessions, stay current with changes as they occur during the meeting, and navigate the Phoenix Convention Center with floor plans and exhibitor information. Download the 2022 Annual Meeting app from the App Store or Play Store on your mobile device.

Associates to the AAAI

See Hospitality Suite.

ATMs

The Phoenix Convention Center has ATMs located in the lobby of each building of the convention center. In the North Building, the ATM is located right outside of Hall 6 on the Lower Level.

Business Center

The Phoenix Convention Center Business Center is located in the North Building, 100 level on the southwest side of the North Ballroom. Services include photocopying, computer workstations, fax services, UPS services and office supplies.

Case Report Poster Session

Convention Center, North Building, Lower Level, Hall 4

The Case Report Poster Sessions are open on Saturday, February 26 and Sunday, February 27, 9:45 to 10:45 am daily.

Charging Lounges

Relax between sessions and recharge your electronic devices or connect with colleagues in these lounges. We are pleased to offer 5 locations this year:

Charging lounge locations are as follows:

Concourses:

Convention Center, North Building, Lower Level, Hall 6 Concourse

Sponsored by Sanofi Genzyme and Regeneron

Convention Center, North Building, Lower Level, Hall 6 Concourse

Sponsored by Takeda

Convention Center, North Building, 100 Level, Room 120

Concourse

Sponsored by GSK

Hall 4:

Convention Center, North Building, Lower Level, Hall 4, 200 Aisle

Sponsored by Takeda

Convention Center, North Building, Lower Level, Hall 4, 1300 Aisle

Sponsored by Sanofi Genzyme and Regeneron

Children and Guests

The AAAI asks delegates to refrain from taking children, spouses or guests to any educational session offered at the 2022 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 Phoenix 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 one of the house telephones available in the Phoenix Convention Center to dial 85. The security command center will contact 911 if needed. From either of the co-headquarter hotels, please dial 0 from any of the house phones.

Meeting Information



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 2022 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, North Building, Lower Level, Hall 4

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 112 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

Saturday, February 26	9:45 am to 3:15 pm
Sunday, February 27	9:45 am to 3:15 pm
Monday, February 28	9:45 am to 2:00 pm

Virtual exhibit booths, which are accessible through the virtual platform, are viewable through December 31, 2022.

Exhibit Hall Coffee Breaks

Saturday, February 26	9:45 am
Sunday, February 27	9:45 am

Sponsored by Takeda

Exhibit Hall Refreshment Breaks

Saturday, February 26	1:30 pm
Sunday, February 27	1:30 pm

Sponsored by BioCryst

Sunday, February 27	1:30 pm
Sunday, February 27	1:30 pm

Sponsored by CSL Behring

Featured Employers Guide

The AAAAI maintains a strong focus on career development, and the 2022 AAAAI Featured Employers Guide furthers that goal by providing the chance for job seekers to browse new and exciting opportunities in the allergy and immunology fields. Learn about what the organizations are looking for, their culture, benefits, and more. This interactive digital guide allows you to click links to the organizations' websites and watch videos to get a full job seeking experience. This guide will be distributed digitally to all attendees of the 2022 AAAAI Annual Meeting.

First Aid

Convention Center, North Building, Lower Level, Hall 6 Concourse

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

Food Outlets

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

Handouts

Handouts at the 2022 Annual Meeting will be available in two ways:

• Online Handouts

The most up-to-date versions of the 2022 Annual Meeting handouts are available to meeting delegates at 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

Sponsored by Blueprint Medicines

Convention Center, North Building, 100 Level, 129A Concourse

Hospitality Suite

Hyatt, Third Level, Suite 324

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 26	8:00 am to 12:00 pm
Sunday, February 27	8:00 am to 12:00 pm
Monday, February 28	8:00 am to 12:00 pm

Lost and Found

Convention Center, North Building, Lower Level, Hall 6 Concourse

In the event that you have lost or found a personal belonging, please see the AAAAI Registration Desk in the Phoenix Convention Center, North Building, Lower Level, Concourse to either turn in or report a lost item. Please be prepared to provide a detailed description of your missing article.

Luggage Storage

Convention Center, North Building, 100 Level, Room 121A

Complimentary storage for luggage will be available on Monday, February 28 from 7:00 am until 5:00 pm.

Meeting Information



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Member Resource Center

Convention Center, North Building, Lower Level, Hall 6 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 24	12:00 pm to 6:00 pm
Friday, February 25	7:30 am to 4:00 pm
Saturday, February 26	7:30 am to 4:00 pm
Sunday, February 27	7:30 am to 4:00 pm
Monday, February 28	7:30 am to 2:00 pm

Name Badges

All registered attendees at the 2022 Annual Meeting will receive a name badge as part of their on-site registration package. These badges have a barcode on the back that is embedded with the attendee's name, mailing address and email address. Delegates may choose to scan their badges 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 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 Lounges

Relax between sessions and connect with colleagues. Enjoy the iconic photo ops located in the Convention Center lounges.

Convention Center:

Networking Lounge:

Sponsored by Amgen and AstraZeneca

Convention Center, North Building, Lower Level, Hall 4, Aisle 1200

Networking Lounge:

Sponsored by BioCryst

Convention Center, North Building, Lower Level, Hall 4, Aisle 200

Sheraton:

Networking Lounge:

Sponsored by Sanofi Genzyme and Regeneron

Sheraton, Second Level, Valley of the Sun E Foyer

Networking Lounge:

Sponsored by Amgen and AstraZeneca

Sheraton, Second Level, Phoenix Ballroom C Foyer

Hyatt:

Networking Lounge:

Sponsored by Amgen and AstraZeneca

Hyatt, Second Floor, Atrium

Nursing/Lactation Room

Convention Center, North Building, 200 Level, near room 229A
Convention Center, West Building, 100 Level, Concourse

The Phoenix Convention Center offers two private Mamava nursing pods for nursing guests. Guests can unlock the pods by downloading the free Mamava app or by visiting the Information Desk and speaking with a Guest Experience Representative.

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 event. 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, North Building, Lower Level, Hall 4

The poster sessions, featuring presentations of abstracts in thematic groupings, are open Saturday through Monday. Authors will be present with their posters from 9:45 to 10:45 am daily.

Poster Hall Hours

Saturday, February 26	7:00 am to 6:00 pm
Sunday, February 27	7:00 am to 6:00 pm
Monday, February 28	7:00 am to 2:00 pm

Practice Management Hub

Convention Center, North Building, Lower Level, Hall 6 Concourse

Visit the Practice Management Hub to obtain guidance about office operations, coding and promoting your practice.

Meeting Information



Press Room

Convention Center, North Building, 100 Level, Room 126A

Members of the press representing print, broadcast and electronic consumer media, as well as healthcare trade media, are invited to attend the 2022 Annual Meeting if they have pre-registered at 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. Journalists must also follow AAAAI COVID protocols, including vaccination requirements.

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.

Quiet Reflection Room

Convention Center, North Building, 100 Level, Room 127A

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

Recording of Sessions

Individual recording of education sessions is not permitted.

Registration Desk

Convention Center, North Building, Lower Level, Hall 6 Concourse

Visit the Registration Desk to pick up your name badge, tickets and registration bag. You can also purchase tickets, register on site and receive your CME/CE or attendance certificates.

Registration Desk Hours

Thursday, February 24	6:30 am to 7:00 pm
Friday, February 25	6:30 am to 5:00 pm
Saturday, February 26	6:30 am to 5:00 pm
Sunday, February 27	6:30 am to 5:00 pm
Monday, February 28	6:30 am to 4:00 pm

Ribbons

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

Smoking

Smoking is prohibited at all 2022 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, North Building, 100 Level, Room 125A

All speakers are asked to report to the Speaker Resource Room immediately upon arrival in Phoenix 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 23	4:00 to 7:00 pm
Thursday, February 24	6:30 am to 6:30 pm
Friday, February 25	6:30 am to 6:30 pm
Saturday, February 26	6:30 am to 6:30 pm
Sunday, February 27	6:30 am to 6:30 pm
Monday, February 28	6:30 am to 4:00 pm

Special Dietary Requirements

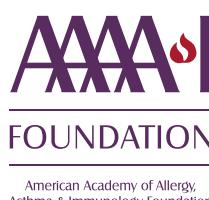
If items on the daily, pre-arranged menu do not meet your special dietary requirements (e.g., allergies, kosher), an alternative option can be made available. Please notify an AAAAI staff member at the Registration Desk to ensure arrangements are made. Special arrangements require at least 24 hours advance 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.

Friend of the President Ribbon

Thank AAAI President

Giselle S. Mosnaim, MD, MS, FAAAAI for her year of service to the AAAAI with the **\$100** purchase of a Friend of the President Ribbon.

This ribbon honors Dr. Mosnaim and directly supports the mission of the AAAAI Foundation: funding research that leads to the prevention and cure of asthma and allergic and immunologic disease.



Purchase or pick up your ribbon at the AAAAI Foundation booth located in the Convention Center, North Building, Lower Level, Concourse.

Meeting Information



American Academy of
Allergy Asthma & Immunology
ANNUAL MEETING
PHOENIX, AZ • FEBRUARY 25–28, 2022

Ticket Exchange

Tickets to available sessions will be sold at the onsite 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 processed after the meeting.

Time Zone

All events are listed in Mountain Standard Time (MST).

Virtual Annual Meeting Recordings

Many of the scientific sessions will be recorded and available in the virtual platform shortly after the meeting. All participants are able to view those sessions on-demand and claim credits through December 31, 2022. The recording will include presentation slides synchronized with the audio recordings.

Wellness Sessions

Sheraton, Fourth Level, Valley Overlook

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

Friday, February 25	6:00 to 7:00 am
Saturday, February 26	6:00 to 7:00 am
Sunday, February 27	6:00 to 7:00 am
Monday, February 28	6:00 to 7:00 am

Convention Center, North Building, 100 Level, Room 127C

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

Saturday, February 26

Invigorating Chair Yoga for Upper Body Tension 10:00 to 10:30 am
Tap Into the Power of Breathing for Mental Clarity 1:30 to 2:00 pm

Sunday, February 27

Practical Mindfulness to Manage Daily Stress 10:00 to 10:30 am
Mindfulness Meditation & 1:30 to 2:00 pm
Visualization to Activate Vitality

WiFi

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

Convention Center

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Wireless Network: dupilumab
Password: visitbooth907

Sheraton

Sponsored by AstraZeneca

Wireless Network: FASENRA-5
Password: FASENRADATA

Hyatt

Sponsored by AstraZeneca

Wireless Network: FASENRA-5
Password: FASENRADATA

Please remember that passwords are case sensitive.

Proudly sponsored by **Takeda**
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*Show your support for the
AAAAI Foundation with a*

Friend of the President

Ribbon



American Academy of Allergy,
Asthma & Immunology Foundation

Friend of the
President Ribbon:
\$100

NAIA Ribbon:
\$50

Visit the AAAI Foundation Booth to purchase ribbons

Business and Committee Meetings



ANNUAL MEETING
PHOENIX, AZ · FEBRUARY 25–28, 2022

AAAAI Annual Business Meeting

Monday, February 28, 12:30 to 1:30 pm

Convention Center, North Building, 100 Level, Room 120B

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

Associates to the AAAAI Breakfast and Business Meeting

Saturday, February 26, 9:00 to 11:00 am

Hyatt, First Floor, Regency D

Interest Section Forums

Sunday, February 27, 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 36 for more information.

AAAAI Assembly/Board/Division Committee Meetings (Invitation Only)

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.

A/I Division Directors Committee

Sunday, February 27, 12:30 to 1:30 pm

Convention Center, North Building, 100 Level, Room 129A

Advocacy Committee

Sunday, February 27, 12:30 to 1:30 pm

Convention Center, North Building, 200 Level, Room 231B

Allied Health Education Committee

Saturday, February 26, 2:00 to 3:00 pm

Convention Center, North Building, 200 Level, 226C

Allied Health Professionals Assembly Business Meeting and Oral Abstract Session

Saturday, February 26, 12:15 to 1:45 pm

Convention Center, North Building, 200 Level, Room 227A

Annual Meeting Awards Committee

Monday, February 28, 8:00 to 9:30 am

Convention Center, North Building, 200 Level, Room 232B

Annual Meeting Program Committee

Monday, February 28, 10:00 am to 12:00 pm

Convention Center, North Building, 200 Level, Room 231A

Continuing Certification and Professional Education Committee (Invitation Only)

Saturday, February 26, 5:00 to 6:00 pm

Convention Center, North Building, 200 Level, Room 232C

Core Curriculum, Education & Residency Review Subcommittee

Saturday, February 26, 12:30 to 1:30 pm

Hyatt, Second Floor, Ellis West

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

Saturday, February 26, 4:45 to 6:15 pm

Hyatt, Second Floor, Phoenix Ballroom

Program Directors Assembly (PDA) Forum and Networking Luncheon

Friday, February 25, 12:00 to 1:45 pm

Hyatt, First Floor, Regency Ballroom

Federation of RSLAAIS Assembly Forum, Business Meeting and Reception

Friday, February 25, 4:45 to 6:30 pm

Convention Center, North Building, 200 Level, Room 229A

Federation of RSLAAIS Governors Meeting

Saturday, February 26, 2:00 to 3:15 pm

Sheraton, Second Level, Encanto B

Fellows-In-Training Committee

Saturday, February 26, 7:00 to 8:00 am

Convention Center, North Building, 200 Level, Room 229A

Grant Review Committee

Sunday, February 27, 8:00 to 9:00 am

Convention Center, North Building, 200 Level, Room 231C

Interest Section Coordinating Committee (ISCC)

Friday, February 26, 10:45 to 11:45 am

Sheraton, Second Level, Encanto B

Registry/Measures Stewardship Committee

Saturday, February 26, 7:00 to 8:00 am

Hyatt, Second Floor, Ellis West

Office of Medical Education Committee (Invitation Only)

Sunday, February 27, 12:30 to 1:30 pm

Convention Center, North Building, 200 Level, Room 232A

Office of Practice Management

Friday, February 25, 12:30 to 1:30 pm

Hyatt, Second Floor, Ellis West

Practice Management Committee

Sunday, February 27, 12:30 to 1:30 pm

Convention Center, North Building, 200 Level, Room 231A

Program Directors Assembly Executive Committee

Sunday, February 27, 7:00 to 8:00 am

Convention Center, North Building, 200 Level, Room 229B

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 are 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@aaai.org.

Adverse Reactions to Drugs, Biologicals & Latex Committee

Saturday, February 26, 12:30 to 1:30 pm
Convention Center, North Building, 100 Level, Room 129A

Adverse Reactions to Foods Committee

Saturday, February 26, 6:15 to 7:45 am
Hyatt, First Floor, Regency Ballroom

Allergic Fungal Respiratory Diseases Committee

Sunday, February 27, 6:45 to 7:45 am
Convention Center, North Building, 200 Level, Room 232B

Allergic Skin Diseases Committee

Saturday, February 26, 12:30 to 1:30 pm
Sheraton, Second Level, Encanto A

Anaphylaxis Committee

Sunday, February 27, 7:00 to 8:00 am
Convention Center, North Building, 200 Level, Room 231A

Asthma & Allergic Diseases in Older Adults Committee

Sunday, February 27, 12:30 to 1:30 pm
Convention Center, North Building, 200 Level, Room 229B

Asthma, Cough, Diagnosis and Treatment Committee

Saturday, February 26, 12:30 to 1:30 pm
Convention Center, North Building, 200 Level, Room 232C

Autoimmunity and Altered Immune Response Committee

Saturday, February 26, 12:30 to 1:30 pm
Hyatt, Second Floor, Ellis East

Cells and Mediators of Allergic Inflammation Committee

Sunday, February 27, 12:30 to 1:30 pm
Sheraton, Second Level, Encanto A

Committee on the Underserved

Saturday, February 26, 1:45 to 2:45 pm
Convention Center, North Building, 200 Level, Room 222A

Environmental Exposure and Respiratory Health Committee

Friday, February 25, 12:00 to 1:30 pm
Sheraton, Second Level, Encanto A

Eosinophilic Gastrointestinal Disorders Committee

Saturday, February 26, 12:30 to 1:30 pm
Convention Center, North Building, 200 Level, Room 232A

Genetics, Molecular Biology and Epidemiology Committee

Saturday, February 26, 7:00 to 8:00 am
Convention Center, North Building, 200 Level, Room 232C

Health Informatics, Technology and Education Committee

Saturday, February 26, 12:30 to 1:30 pm
Hyatt, Second Floor, Phoenix Ballroom

Immunotherapy, Allergen Standardization and Allergy Diagnostics Committee

Sunday, February 27, 6:45 to 8:00 am
Convention Center, North Building, 100 Level, Room 132A

Integrative Medicine Committee

Friday, February 25, 5:30 to 6:30 pm
Hyatt, Second Floor, Ellis West

Mast Cells Disorders Committee

Friday, February 25, 12:00 to 1:00 pm
Convention Center, North Building, 200 Level, Room 231C

Microbes in Allergy and Asthma Committee

Monday, February 28, 7:00 to 8:00 am
Convention Center, North Building, 200 Level, Room 231C

NAB Counters & Aerobiology Committee Meeting

Saturday, February 26, 12:15 to 1:45 pm
Convention Center, North Building, 200 Level, Room 229A

Occupational Diseases Committee

Sunday, February 27, 12:30 to 1:30 pm
Convention Center, North Building, 200 Level, Room 232C

Practice, Diagnostics and Therapeutics Committee

Sunday, February 27, 7:00 to 8:00 am
Convention Center, North Building, 100 Level, Room 130

Primary Immunodeficiency Diseases Committee

Saturday, February 26, 12:30 to 1:30 pm
Convention Center, North Building, 100 Level, Room 132A

Quality, Adherence and Outcomes Committee

Friday, February 25, 1:00 to 2:00 pm
Sheraton, Second Level, North Mountain

Rhinitis, Rhinosinusitis and Ocular Allergy Committee

Sunday, February 27, 6:45 to 7:45 am
Sheraton, Second Level, Encanto A

Sports, Exercise and Fitness Committee

Sunday, February 27, 12:30 to 1:30 pm
Convention Center, North Building, 200 Level, Room 232B

Vaccines Committee

Friday, February 25, 5:30 to 6:30 pm
Hyatt, Second Floor, Ellis East

Other Meetings and Events



American Academy of
Allergy Asthma & Immunology
ANNUAL MEETING
PHOENIX, AZ · FEBRUARY 25–28, 2022

Other AAAAI Meetings (Invitation Only)

AAAAI Foundation Council Meeting

Monday, February 28, 10:00 to 11:30 am

Convention Center, North Building, 200 Level, Room 231C

AAAAI Leadership Institute Course

Friday, February 25, 8:00 am to 12:00 pm

Sheraton, Second Level, Camelback A

Allied Health Wine and Cheese Reception

Sponsored by Aimmune Therapeutics, A Nestlé Health Science Company

Friday, February 25, 5:15 to 6:30 pm

Convention Center, North Building, 200 Level, Room 225A

Chrysalis Project Participant Registration

Thursday, February 24, 6:00 to 7:00 pm

Sheraton, Second Level, Maryvale A

Chrysalis Project Program

Friday, February 25, 7:30 am to 1:45 pm

Sheraton, Third Level, Phoenix C

Chrysalis Project Reception

Saturday, February 26, 6:00 to 7:00 pm

Sheraton, Fourth Level, Valley Overlook

Faculty Development Program Reunion Breakfast

Sunday, February 27, 6:00 to 8:00 am

Convention Center, North Building, 100 Level, Room 129A

FIT Reception

Sponsored by DBV Technologies

Friday, February 25, 5:00 to 6:00 pm

Sheraton, Fourth Level, Valley Overlook

FIT Symposium

Friday, February 25, 7:00 am to 1:30 pm

Sheraton, Second Level, Valley of the Sun C

JACI Associate Editors Meeting

Sunday, February 27, 12:30 to 1:45 pm

Sheraton, Second Level, Encanto B

JACI Editorial Board Meeting

Friday, February 25, 12:30 to 1:45 pm

Convention Center, North Building, 100 Level, Room 129A

JACI Journals' Reviewers Forum and Reception

Sunday, February 27, 4:45 to 6:30 pm

Convention Center, North Building, 100 Level, Room 129A

JACI: In Practice Editorial Board Meeting

Saturday, February 26, 7:00 to 8:00 am

Convention Center, North Building, 100 Level, Room 129A

Other Meetings and Events

Advocacy & Awareness for Immune Disorders Association (AAIDA)

Annual Educational Mixer

Sunday, February 27, 5:00 to 6:00 pm

Hyatt, Second Floor, Cassidy

Allergists for Israel Board Meeting

Friday, February 25, 4:30 to 5:30 pm

Sheraton, Second Level, Ahwatukee AB

Allergists for Israel Religious Service

Friday, February 25, 5:30 to 6:30 pm

Sheraton, Second Level, Laveen AB

Allergists for Israel Welcome Kiddush Reception

Friday, February 25, 6:00 to 9:00 pm

Sheraton, Second Level, Maryvale AB

Allergists for Israel Religious Service

Saturday, February 26, 6:00 to 9:00 am

Sheraton, Second Level, Encanto B

Allergists for Israel Religious Service

Saturday, February 26, 5:00 to 8:00 pm

Sheraton, Second Level, South Mountain

Allergists for Israel Religious Service

Sunday, February 27, 6:00 to 8:30 am

Sheraton, Second Level, Encanto B

Allergists for Israel Religious Service

Sunday, February 27, 4:30 to 6:00 pm

Sheraton, Second Level, South Mountain

Allergists for Israel Religious Service

Monday, February 28, 6:00 to 9:00 am

Sheraton, Second Level, Alhambra

American Association of Allergists & Immunologists of Indian

Origin (AAII) - Semi-Annual Meeting & Symposium

Friday, February 25, 6:00 to 9:00 pm

Hyatt, First Floor, Regency Ballroom AB

IFPIES: Non-IgE Medicated Food Allergy Workshop

Friday, February 25, 6:00 to 8:00 pm

Sheraton, Second Level, Paradise Valley

INDANA (International Network of Diet and Nutrition in Allergy)

Steering Committee Meeting

Saturday, February 26, 3:30 to 6:30 pm

Sheraton, Second Level, Alhambra

Other Meetings and Events



ANNUAL MEETING
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Non-CME Educational Programs

Thursday

These programs are not sponsored or programmed by the AAAAI.

Disease Burden and Endophenotypes—Finding the Path Through Clinical Dilemmas in CRSwNP and SEA

Thursday, February 24, 6:30 to 8:30 pm MST

Sheraton, Third Level, Phoenix Ballroom D

Sponsored by GSK

Part 1: Misery Loves Company: The Secondary Impacts of Disease and OCS Burden in Nasal Polyposis

Speaker: Jonathan Corren, MD

Part 2: What's Your Type? Solving Clinical Dilemmas Persistent Severe Asthma Through Endophenotyping

Moderator: Thomas Corbridge, MD

Speaker: Brian Modena, MD, MSc

Join expert allergists for this two-part, interactive program. Part one will include a brief introduction to the secondary impacts that patients with CRSwNP may experience and explore the OCS burden. Interactive patient cases will illustrate critical evaluation and management strategies. Part 2 will focus on building an understanding of the clinical challenges presented by persistent, severe, uncontrolled asthma.

Interactive patient cases will explore the pathophysiology and clinical presentation of severe asthma, the role of endophenotyping, and the importance of evaluating for T2 inflammation. Both parts will highlight strategies to reduce OCS use in their respective patient populations.

Learn About A Now Approved Oral Rx Treatment for Moderate-to-Severe Atopic Dermatitis

Thursday, February 24, 6:30 to 8:30 pm MT

Sheraton, Third Level, Phoenix Ballroom A

Non-CME Educational Dinner Program Brought to You by Pfizer Inc.

Now introducing 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 expert in the field of Allergy & Immunology will discuss the efficacy and safety profile of this new treatment option, helping you determine its appropriateness for your patients. Full PI available at CIBINQOPI.com.

Friday

These programs are not sponsored or programmed by the AAAAI.

IS IT SYSTEMIC MASTOCYTOSIS? Best Practices for Diagnosis and Management

Friday, February 25, 6:45 to 8:45 am (Registration at 6:15 am; breakfast will be provided.)

Sheraton, Third Level, Phoenix Ballroom A

Supported by an educational grant from Blueprint Medicines Corporation

This Interactive Exchange™ educational program focuses on the identification and management of patients with nonadvanced systemic mastocytosis (SM). The program will open with a brief video segment featuring a 3D animation detailing the pathophysiological drivers of SM and their implications for the development of targeted therapies. Dynamic discussions among a multidisciplinary panel of experts will address challenges in the diagnosis and classification of nonadvanced SM, highlight recent clinical trial data on emerging targeted therapies, and emphasize real-world strategies for the comprehensive management of nonadvanced SM. The program will conclude with an engaging case study discussion highlighting the various clinical presentations of nonadvanced SM along with expert advice for practical and effective disease management. Please join us for this informative and engaging session.

Register now: www.ExchangeCME.com/2022SMPhoenix

Type 2 Inflammation: An Important Perspective for Clinicians

Friday, February 25, 6:45 to 8:45 am

Sheraton, Third Level, Phoenix Ballroom D

Sponsored by Sanofi Genzyme and Regeneron

Faculty: Jonathan Corren, MD

From deep in the esophageal epithelium, to the outer dermis, explore the latest insights on type 2 inflammation and epithelial barrier dysfunction including prevalence, biomarkers, and localized effects that drive symptomatology and disease burden.

Follow the AAAAI
Annual Meeting
on Twitter



AAAI/I22/218

Other Meetings and Events



American Academy of
Allergy Asthma & Immunology
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PHOENIX, AZ · FEBRUARY 25–28, 2022

Non-CME Educational Programs (continued)

"Challenging Treatment Expectations" AbbVie Dermatology

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

Sheraton, Second Level, Valley of the Sun Ballroom E

Sponsored by AbbVie

Please see the Mobile App for updated program information.

Case Studies: Treating Children With a Peanut Allergy

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

Sheraton, Third Level, Phoenix Ballroom A

Sponsored by Aimmune Therapeutics, A Nestlé Health Science Company

Join us for a panel discussion to review patient case studies of children aged 4 through 17 years with peanut allergy, and learn more about a current treatment option.

Moving Beyond Misperceptions of Asthma Control and Stepping Towards Personalized Care

Friday, February 25, 6:30 to 8:30 pm MST

Sheraton, Second Level, Valley of the Sun Ballroom C

Sponsored by GSK

Speakers:

Juan Carlos Cardet, MD

Priya Bansal, MD

This program will focus on the recognition and the management of uncontrolled asthma, as well as understanding the burden and subsequent challenges faced by patients and healthcare providers. Beginning with acknowledging and understanding the common misperceptions in assessing control, this program will explore the pathophysiology and heterogeneity of asthma and provide evidence-based insight on ways to personalize patient care through the application of clinical and guidelines-based management.

Chronic Spontaneous Urticaria: How Will Emerging Therapies Impact Treatment Paradigms?

Friday, February 25

Registration & Dinner | 6:30 to 7:00 pm MT

Educational Symposium | 7:00 to 8:30 pm MT

Sheraton, Third Level, Phoenix Ballroom D

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

What's new in the treatment of urticaria? During this educational activity, Drs. Allen Kaplan, Marc Riedl, Kristin Sokol, and Laura Ferris will review the burden of chronic spontaneous urticaria and its impact on quality of life. They will also discuss the role and clinical implications of biomarkers, compare the major treatment guidelines, and explore the current and emerging therapies for chronic spontaneous urticaria.

Register to join in-person or stream from anywhere: <https://vindicocme022522.eventbrite.com/?aff=amma>

Optimizing the Care of Patients with Moderate-to-Severe Asthma: Minimizing Asthma Exacerbations with Biologic Therapy

Friday, February 25, 8:30 to 9:30 pm

Sheraton, Third Level, Phoenix Ballroom C

Supported by an independent medical education grant from Regeneron Pharmaceuticals, Inc. and Sanofi Genzyme

Join Dr. Mario Castro and Dr. Diego Maselli in this interactive, case-based program about minimizing asthma exacerbations with biologic therapy. Further, through the use of simulation challenge animations, this program aims to explain immune dysfunction and the pathogenesis of moderate-to-severe asthma, currently available and emerging targeted therapies used for asthma, and the usefulness and application of guidelines and biomarkers to guide treatment selection for this disease. This symposium is provided by Med Learning Group. Please register for the event at www.mlg-asthma.com.

Saturday

These programs are not sponsored or programmed by the AAAAI.

Spotting the Zebra: EGPA and HES Interactive, Case-Based Learning

Saturday, February 26, 6:00 to 8:00 am MST

Sheraton, Third Level, Phoenix Ballroom A

Sponsored by GSK

Speaker: Mili Shum, MD

Eosinophilic granulomatosis with polyangiitis (EGPA) and hypereosinophilic syndrome (HES) are rare eosinophilic disorders that present similarly and thus present a diagnostic challenge. Join an expert allergist-immunologist for an interactive, case-based discussion that will highlight the role of multidisciplinary collaboration in facilitating and expediting the diagnosis and management of these heterogeneous disease states.

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

Saturday, February 26, 7:00 to 8:00 am MT

Sheraton, Third Level, Phoenix Ballroom D

Sponsored by Sanofi Genzyme and Regeneron

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

Other Meetings and Events



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Non-CME Educational Programs (continued)

Respiratory Experts Discuss a Biologic Agent and an Inhaled Therapy

Saturday, February 26, 6:30 to 8:30 pm MST

Sheraton, Third Level, Phoenix Ballroom A

Sponsored by GSK

Join Dr. Dennis Ledford and Dr. Ellen Sher for a 2-part discussion about respiratory diseases. At 6:30 pm MST, Dr. Ledford will review the clinical data and latest real-world evidence for a biologic treatment in patients with severe eosinophilic asthma. He will also discuss data supporting the use of this targeted biologic for patients with chronic rhinosinusitis with nasal polyps. At 7:30 pm MST, Dr. Sher will review practical approaches to identify adult patients with asthma who remain symptomatic while receiving ICS/LABA maintenance therapy and evidence for the use of inhaled triple therapy. We will conclude each presentation with a live Q&A.

Understanding Chronic Cough: Patient Presentation and Assessment

Participate in this live program on:

Saturday, February 26, 6:30 to 8:00 pm MT

6:30 to 7:00 pm: registration, 7:00 pm to 8:00 pm: educational session and dinner

Sheraton, Second Level, Valley of the Sun Ballroom E

Sponsored by Merck

Please join Michael S. Blaiss, MD, for this non-CME program for US healthcare professionals to learn more about chronic cough. Topics will include:

- Discuss patient cases and understand patient presentation of chronic cough
- Review clinical guidelines
- Understand potential mechanisms of disease in chronic cough

Understanding Asthma Disparities in Communities of Color and the Role of Systemic and Localized Type 2 Inflammation in Asthma

Saturday, February 26, 6:30 to 8:30 pm

Sheraton, Third Level, Phoenix Ballroom D

Sponsored by Sanofi Genzyme and Regeneron

Faculty:

Autumn Burnette, MD

Cedric "Jamie" Rutland, MD

Join us as we bring to light the disproportionate impact of asthma in communities of color through a case-based review, emphasizing key factors impacting asthma management in these populations. Next, we will learn about the impact of systemic and localized type 2 inflammation on asthma symptoms and discuss a treatment option for appropriate patients with moderate-to-severe asthma.

The Power of Effective Prevention for Patients With Hereditary Angioedema (HAE)

Saturday, February 26, 6:30 to 8:30 pm MT

Sheraton, Second Level, Valley of the Sun Ballroom C

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

Faculty: HAE Expert Panel

Join our panel of HAE experts to learn about what effective prevention can mean for your patients with hereditary angioedema (HAE). Expert faculty will guide you through a patient's journey with HAE and the importance of effective prevention, followed by a panel discussion.

Addressing Barriers to EoE Diagnosis and Treatment: The Role of Updated Guidelines and Novel Therapies

Saturday, February 26, 8:30 to 10:15 pm MST

Sheraton, Third Level, Phoenix Ballroom C

This activity is provided by RMEI Medical Education, LLC and supported by an independent medical education grant from Regeneron Pharmaceuticals, Inc. and Sanofi Genzyme.

Either in-person or virtually by simulcast, please join our multidisciplinary expert panel plus an experienced patient with EoE as they discuss this challenging chronic disease. The panel will address diagnosis and management, as well as pathophysiologic pathways and targets that are currently being explored for its treatment. Register today at www.rmei.com/EoE-Feb-26

Eosinophilic esophagitis (EoE) is a rare, debilitating chronic inflammatory disorder. Unfortunately, diagnostic delay is common and current management approaches do not fully address EoE symptoms or provide endoscopic and histologic resolution. However, several pathophysiologic pathways have been described and targeted therapies are under study for the treatment of EoE.

Sunday

These programs are not sponsored or programmed by the AAAAI.

Inflammation and Activation: Evaluating the Role of Eosinophils Across Diseases

Sunday, February 27, 6:00 to 8:00 am (Breakfast will be Served)

Sheraton, Third Level, Phoenix Ballroom A

Sponsored by AstraZeneca

At this session, explore complex pathogenic mechanisms where activated eosinophils can contribute to disease pathology, playing a key role in a range of diseases. Understanding their impact may help improve patient diagnosis, referral, and care for such diseases as eosinophilic asthma, chronic rhinosinusitis with nasal polyps, eosinophilic esophagitis, and more.

Speaker:

Sameer K. Mathur, MD, PhD

Associate Professor

University of Wisconsin

Other Meetings and Events



American Academy of
Allergy Asthma & Immunology
ANNUAL MEETING
PHOENIX, AZ · FEBRUARY 25–28, 2022

Non-CME Educational Programs (continued)

Exploring Chronic Rhinosinusitis With Nasal Polyps (CRSwNP): Diagnostic Best Practices and Considerations in Addressing Underlying Inflammation

Sunday, February 27, 6:00 to 6:15 am - Registration & Breakfast; 6:15 to 7:30 am - Symposium

Sheraton, Third Level, Phoenix Ballroom D

This activity is provided by Med Learning Group.

This activity is co-provided by Ultimate Medical Academy/Complete Conference Management (CCM).

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

This program is designed for allergists, otolaryngologists, primary care clinicians, and other clinical team members who manage chronic rhinosinusitis with nasal polyps. In this program we will aim to discuss the burden and pathophysiology of CRSwNP, review guidelines for diagnosis and short- and long-term management, look at clinical data and biomarkers on current and novel anti-inflammatory biologics, and teach clinicians how to apply best practices for the interdisciplinary development of individualized treatment plans for these patients. 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

A Proven Approach to Targeting Eosinophils in Severe Asthma

Sunday, February 27, 6:30 to 8:30 pm

Sheraton, Third Level, Phoenix Ballroom A

Sponsored by AstraZeneca

AstraZeneca invites you to come explore the role eosinophils play in contributing to airway inflammation and asthma exacerbations. Multiple signaling pathways and airway triggers can lead to the activation of eosinophils, resulting in eosinophilic inflammation.

A case-based presentation will be used to help attendees recognize eosinophilic asthma in clinical practice and connect eosinophilic inflammation to asthma symptoms, exacerbations, and potential steroid exposure. Attendees will learn about a focused approach for targeting eosinophils in the treatment of severe eosinophilic asthma.

Chronic Spontaneous Urticaria: Exploring the Potential Role of Type 2 Inflammation in Disease Pathogenesis

Sunday, February 27, 6:30 to 8:30 pm MT

Sheraton, Third Level, Phoenix Ballroom D

Sponsored by Sanofi Genzyme and Regeneron

Join us as we explore type 2 inflammation as a potential connection to different clinical manifestations across patients with chronic spontaneous urticaria.

Call-a-Colleague™ – Answering the Call: Interdisciplinary Management of Eosinophilic Esophagitis and Hereditary Angioedema

Sunday, February 27, 6:30 to 8:30 pm

Sheraton, Second Level, Valley of the Sun Ballroom C

Sponsored by Takeda Pharmaceutical Company Limited

This **Call-a-Colleague™** educational program will guide conference attendees on the identification and management of patients with eosinophilic esophagitis (EoE) or hereditary angioedema (HAE). Expert faculty will discuss the pathogenesis, differential diagnosis, and multidisciplinary management of children and adults with these uncommon and difficult-to-treat conditions. Interspersed throughout the program are brief **Call-a-Colleague** video calls in which faculty consult with a pathologist, dietitian, pediatric gastroenterologist, the Chairperson of the US HAE Association, and a patient with HAE. The consultative calls will provide additional insights into the burdens, diagnosis, and current/emerging treatment of patients with these conditions.

Component Resolved Diagnostics – Crack the code on the diagnostic dilemma

Sunday, February 27, 6:30 to 8:30 pm MT

Sheraton, Second Level, Valley of the Sun Ballroom E

Sponsored by Thermo Fisher Scientific

Join us in person or virtually for an informative and interactive session led by experts with extensive knowledge in the field of molecular allergology. Topics include:

Wheat Allergy: Uncovering the grain-ularity

Anna Nowak-Węgrzyn, MD, PhD, FAAAAI, FACAAI

Insect Venom Allergy: Behind the sting

David B.K. Golden, MD, FACAAI, FAAAAI, FACP

Pet Allergy: It's not always the cat!

Ann-Marie Schoos, MD, PhD

Sesame Allergy: Seeds of knowledge

Jacob Kattan MD, MSCR

Co-Chairs: Magnus Borres, MD & Gary Falsetano, PA-C

Save the Date: <https://www.addevent.com/event/Ju11166486>

TEZSPIRE: A New Approach

Sunday, February 27, 8:30 to 10:30 pm

Sheraton, Third Level, Phoenix Ballroom C

Sponsored by Amgen and AstraZeneca

Please join Amgen and AstraZeneca as they introduce a new approach that may change your point of view. Our expert will share the efficacy and safety data and how it can apply in clinical practice.

Speaker: Dr. Joel Hartman

Other Meetings and Events



American Academy of
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ANNUAL MEETING
PHOENIX, AZ · FEBRUARY 25–28, 2022

Non-CME Educational Programs (continued)

Monday

These programs are not sponsored or programmed by the AAAAI.

Clinical Perspectives on an Oral Prophylactic Therapy for HAE: A Case-Based Approach

Monday, February 28, 6:30 to 7:30 am

Sheraton, Third Level, Phoenix Ballroom D

Sponsored by BioCryst Pharmaceuticals, Inc.

Join us for a dynamic and interactive discussion where we will explore an oral therapy option in HAE, including its safety and efficacy data, as the expert faculty presents patient case profiles. Learn how to initiate this oral prophylactic therapy for your patients. The presentation will be followed by a live Q&A session with the faculty. An HAE program not to be missed! Register today! www.OralHAETherapy.com.

Taking It From the Top: Targeting a New Approach to Controlling Severe Asthma

Monday, February 28

6:30 to 7:00 am MST: Registration & Breakfast

7:00 to 8:00 am MST: In-Person & Virtual Symposium

Sheraton, Third Level, Phoenix Ballroom A

Provided by PVI, PeerView Institute for Medical Education.

Supported by an independent educational grant from AstraZeneca LP.

Severe asthma remains a burden for many patients despite numerous treatments. The heterogeneity of severe asthma makes management challenging, particularly for patients with a non-type 2 phenotype. Our faculty will detail the pathophysiology of severe asthma and discuss the mechanisms behind type 2 and non-type 2 asthma. They will review TSLP, its role in the inflammatory cascade, and what makes it an attractive therapeutic target. They will also discuss available biologic targeted therapies for severe asthma characterized by type 2 inflammation, the therapeutic potential of agents that block epithelial cytokines, and the latest efficacy and safety data. peerview.com/Asthma22-Phoenix-Live

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AAAAI Payer Relations

Initiating communication and conversations to protect patient access to care and provider compensation.

- Advocating for you: more than 200 letters sent to payers in 2021 to address policies of concern.
- Impacting policies ranging from Xolair site of administration policies and omission of diagnoses codes for oral challenges to measurement of exhaled nitric oxide.
- Engaging with payers across the country, including UnitedHealth Care, Anthem, Blue Cross Blue Shield and many more.
- Evaluating payer policy revisions: more than 750 allergy, 1500 asthma and 500 immunotherapy policies reviewed in 2021.

"This is in response to your August 25, 2021 correspondence alerting us to our error... Thank you for bringing this to our attention."

— Heidi, Novitas Solutions, Inc.



Learn more at the Practice Management Hub

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AAAAI-1121-418

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AAAI122I-218



A New Opportunity for FITs Interested in the Safety of Vaccines and Asthma Medications During Pregnancy



Applications Due February 28, 2022

Fellows-in-training (FITs) who are interested in the interface between allergy/immunology and reproductive medicine/pregnancy are encouraged to apply to work with the VAMPSS Investigative Team as a VAMPSS FIT. Activities will include regular phone/video meetings with the VAMPSS team and a clinical or research project. Applicants must be in their first year of training at the time of application (or second year in a 3-year program) and secure the approval of their program director. One FIT per year will be selected, with the first position beginning July 1, 2022.

Learn more and apply online at aaaai.org/ApplyVAMPSS by February 28, 2022.

Questions? Email the VAMPSS Investigative Team staff liaison Lauri Sweetman at lsweetman@aaaai.org.

AAAI1-1121-611

Associate and Guest Activities



American Academy of
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ANNUAL MEETING
PHOENIX, AZ · FEBRUARY 25–28, 2022



Associates (Spouses & Friends)
to the American Academy of Allergy, Asthma & Immunology

Associates (Spouses & Friends) to the AAAAI

For over 37 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 26 to Monday, February 28

8:00 am to 12:00 pm

Hyatt, Third Floor, Suite 324

Make sure to visit the Associates Hospitality Suite where 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 Phoenix 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 26, 9:00 to 11:00 am

Hyatt, First Floor, Regency D

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 Hyatt Regency Phoenix. 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
presents the*

2022 Named Lectureship Series



NAMED LECTURESHIP

*Featuring Lectures at AAAI Annual Meeting Plenary, Keynote and
Symposium Sessions In Honor Of:*

K. Frank Austen, MD FAAAAI &
Albert L. Sheffer, MD FAAAAI

Isil Berat Barlan, MD

Michael M. Frank, MD FAAAAI

Bettina C. Hilman, MD

Allen P. Kaplan, MD FAAAAI

Phillip E. Korenblat, MD

Dennis K. Ledford, MD FAAAAI & University of
South Florida Allergy & Immunology Division

Robert F. Lemanske, Jr., MD FAAAAI Lectureship

Donald Y. M. Leung, MD PhD FAAAAI

Phil and Barbara Lieberman and Friends

Richard F. Lockey, MD MS FAAAAI & University of
South Florida Allergy & Immunology Division

Harold S. Nelson, MD FAAAAI

David S. Pearlman, MD FAAAAI

Gary S. Rachelefsky, MD FAAAAI

Gail G. Shapiro, MD FAAAAI

John W. Yunginger MD FAAAAI Memorial
Lectureship

Heritage Lectureship

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

Annual Meeting Lectureships



American Academy of
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ANNUAL MEETING
PHOENIX, AZ · FEBRUARY 25–28, 2022



AAAAI Foundation Named Lectureships are established to recognize substantial contributions of at least \$100,000 to the AAAI Foundation through collaborative contributions of others or individual contributions honoring an individual or entity. The AAAI Foundation leadership is proud to announce the lectureships and lectureship speakers for the 2022 AAAI Annual Meeting. Biographies and photographs are available at annualmeeting.aaaai.org.

Friday, February 25

AAAAI Foundation and Gary S. Rachelefsky, MD FAAAAI Lectureship: Investing Together in Our Future (5th year)

Lecturer: Ruth Tal-Singer, PhD

1601 Presidential Plenary: Digital Health and Remote Patient Monitoring for Patients with Difficult to Control Asthma
Convention Center, North Building, Lower Level, Hall 6, 2:50 pm

AAAAI Foundation and Bettina C. Hilman, MD Lectureship (5th year)

Lecturer: Robin Deterding

1601 Presidential Plenary: Digital Health and Remote Patient Monitoring for Patients with Difficult to Control Asthma
Convention Center, North Building, Lower Level, Hall 6, 3:20 pm

Saturday, February 26

Heritage Lectureship, Honoring Drs. Robert Becker, Jerry Dolovich, Elliot Middleton, John Salvaggio, Burton Zweiman (4th year)

Lecturer: Jean-Laurent Casanova, MD PhD

2101 Preparing for the Next Pandemic: From Mechanisms to Vaccines
Convention Center, North Building, Lower Level, Hall 6, 8:50 am

Bench to Bedside: K. Frank Austen, MD FAAAAI & Albert L. Sheffer, MD FAAAAI Lectureship (3rd year)

Lecturer: Duane R. Wesemann, MD PhD

2101 Preparing for the Next Pandemic: From Mechanisms to Vaccines
Convention Center, North Building, Lower Level, Hall 6, 9:20 am

AAAAI Foundation and Phillip E. Korenblat, MD FAAAAI Lectureship: Investing Together in Our Future (5th year)

Lecturer: Gurjit K. Khurana Hershey, MD PhD FAAAAI

2521 National Institute of Allergy and Infectious Diseases (NIAID): New Insights Into the Immunoregulation of Atopic Dermatitis
Convention Center, North Building, 100 Level, Room 120A, 12:35 pm

AAAAI Foundation and Donald Y. M. Leung, MD PhD FAAAAI-JACI Lecture: Investing Together in Our Future (10th year)

Lecturer: Lisa A. Beck, MD FAAAAI

2521 National Institute of Allergy and Infectious Diseases (NIAID): New Insights Into the Immunoregulation of Atopic Dermatitis
Convention Center, North Building, 100 Level, Room 120A, 12:55 pm

AAAAI Foundation and Richard F. Lockey, MD MS FAAAAI & University of South Florida A/I Program Lectureship (3rd year)

Lecturer: Tissa R. Hata, MD

2521 National Institute of Allergy and Infectious Diseases (NIAID): New Insights Into the Immunoregulation of Atopic Dermatitis
Convention Center, North Building, 100 Level, Room 120A, 1:15 pm

AAAAI Foundation and John W. Yunginger MD FAAAAI Memorial Lectureship (2nd year)

Lecturer: Geoffrey A. Mueller, PhD

2522 National Institute of Environmental Health Sciences (NIEHS): Molecular Characterization of Allergens and Specific IgE Antibodies
Convention Center, North Building, 100 Level, Room 120D, 12:35 pm

AAAAI Foundation and Harold S. Nelson, MD FAAAAI Lectureship: Investing Together in Our Future (3rd year)

Lecturer: Anna Pomés, PhD FAAAAI

2522 National Institute of Environmental Health Sciences (NIEHS): Molecular Characterization of Allergens and Specific IgE Antibodies
Convention Center, North Building, 100 Level, Room 120D, 12:55 pm

AAAAI Foundation and Michael M. Frank, MD FAAAAI Lectureship (3rd year)

Lecturer: Sarita U. Patil, MD FAAAAI

2522 National Institute of Environmental Health Sciences (NIEHS): Molecular Characterization of Allergens and Specific IgE Antibodies
Convention Center, North Building, 100 Level, Room 120D, 1:15 pm

Sunday, February 27

AAAAI Foundation and Phil and Barbara Lieberman and Friends Lectureship: Investing Together in Our Future (8th year)

Lecturer: Bruce S. Bochner, MD FAAAAI

3101 Anaphylaxis: Novel Mechanisms and Emerging Therapeutic Interventions
Convention Center, North Building, Lower Level, Hall 6, 8:20 am

AAAAI Foundation and Allen P. Kaplan, MD FAAAAI Lectureship: Creating Knowledge for Our Future (3rd year)

Lecturer: Kimberly G. Blumenthal, MD MSc FAAAAI

3101 Anaphylaxis: Novel Mechanisms and Emerging Therapeutic Interventions
Convention Center, North Building, Lower Level, Hall 6, 9:20 am

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[https://www.aaaai.org/Professional-Education/careers-in-ai/
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Annual Meeting Lectureships



AAAAI American Academy of
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Extending the Reach of School-Based Asthma Care: Community Health Workers

Lecturer: Tyra Bryant-Stephens, MD

5220 National Heart, Lung, and Blood Institute (NHLBI): Innovation in School-Based Asthma Care
Convention Center, North Building, 100 Level, Room 120A, 12:35 pm

AAAAI Foundation and Robert F. Lemanske, Jr., MD

FAAAI Lectureship (2nd year)

Lecturer: Lynn Gerald, PhD MSPH

5220 National Heart, Lung, and Blood Institute (NHLBI): Innovation in School-Based Asthma Care
Convention Center, North Building, 100 Level, Room 120A, 12:55 pm

AAAAI Foundation and David S. Pearlman, MD FAAAAI

Lectureship: Contributing to Discovery and Education (3rd year)

Lecturer: Kimberly J. Arcoleo, PhD MPH

5220 National Heart, Lung, and Blood Institute (NHLBI): Innovation in School-Based Asthma Care
Convention Center, North Building, 100 Level, Room 120A, 1:15 pm

Monday, February 28

The Isil Berat Barlan Memorial Lectureship

Lecturer: Kirsi M. Jarvinen-Seppo, MD PhD FAAAAI

4101 An Ounce of Prevention
Convention Center, North Building, Lower Level, Hall 6, 8:50am

AAAAI Foundation and Dennis K. Ledford, MD FAAAAI & University of South Florida Allergy & Immunology Division Lectureship (4th year)

Lecturer: Hugh A. Sampson, MD FAAAAI

4101 An Ounce of Prevention
Convention Center, North Building, Lower Level, Hall 6, 9:20 am

AAAAI Lectureships

Friday, February 25

The Elliot F. Ellis Memorial Lectureship

Lecturer: Andrew H. Liu, MD FAAAAI

1601 Presidential Plenary: Digital Health and Remote Patient Monitoring for Patients with Difficult to Control Asthma
Convention Center, North Building, Lower Level, Hall 6, 2:20 pm

Saturday, February 26

The Robert G. Townley Memorial Lectureship

Lecturer: Barney S. Graham, MD PhD

2101 Preparing for the Next Pandemic: From Mechanisms to Vaccines
Convention Center, North Building, Lower Level, Hall 6, 8:20 am

Sunday, February 27

The Robert A. Cooke Memorial Lectureship

Lecturer: Robert Anthony, PhD

3101 Anaphylaxis: Novel Mechanisms and Emerging Therapeutic Interventions
Convention Center, North Building, Lower Level, Hall 6, 8:50 am

Monday, February 28

The Hugh A. Sampson Lectureship in Food Allergy

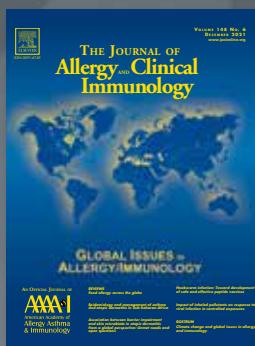
Lecturer: George Du Toit, MD FAAAAI

4101 An Ounce of Prevention
Convention Center, North Building, Lower Level, Hall 6, 8:20 am

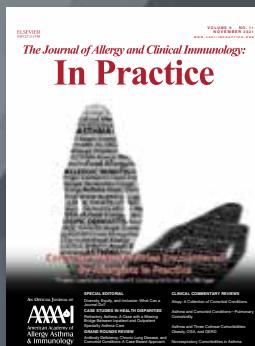
The AAAAI Family of Journals

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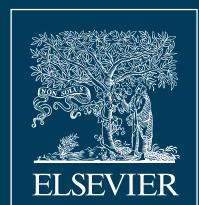
The Journal of Allergy and Clinical Immunology: Global

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The AAAAI is proud to debut *The Journal of Allergy and Clinical Immunology: Global* (*JACI: Global*) during the 2022 Annual Meeting. The Gold Open Access journal is the newest member of the AAAAI family of journals and provides members the opportunity to publish original research to a non-restricted global audience.

Visit the Journals Booth to learn more about the AAAAI family of journals and pick up your complimentary copies (Convention Center, North Building, Lower Level, Concourse).





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SUNDAY, FEBRUARY 27, 2022

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On-Site Registration and Music at starting line: 4:30 – 5:15 pm

Group Warm-Up: 5:15 pm

Race Start: 5:30 pm

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Better Health, Brighter Future

AAAAI Allied Health Professionals Assembly Travel Scholarship Awards

Awarded Amount: \$750

Karen L. Braden, RN MS CPNP

University of Virginia

Early Age Peanut Oral Immunotherapy

Kasturi Sarkar, BA

Arkansas Children's Research Institute

The vDOT-EMOCHA Study

Allied Health Abstract Travel Award

Recipients

Melissa L. Hearrell, FNP-C

Baylor College of Medicine

The Impact of the COVID-19 Pandemic on Food Allergy Families

Elena Mederos Luis

Hospital Universitario de Canarias

Allergy to shellfish: a different clinical presentation depending on the sensitization group

Inmaculada Sanchez-Machin, PhD

Hospital Universitario de Canarias

Electronic Consultations to Improve Access to Allergy Specialty in a Tertiary Healthcare Setting

Kiela M. Samuels, PharmD

University of Michigan

Pitfalls and Progress: Overcoming Dispensing Challenges of Palforzia in an Academic Institution

Jodi A. Shroba, MSN APRN CPNP

Children's Mercy Hospital

Reintroduction of Food After a Negative Oral Food Challenge

AAAAI/APFED Best Abstract on EGIDs Award

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

Marc E. Rothenberg, MD PhD FAAAAI

Cincinnati Children's Hospital Medical Center

“Dupilumab Improves Clinical and Histologic Aspects of Disease in Adult and Adolescent Patients with Eosinophilic Esophagitis at Week 24: Results from Part B of the 3-Part LIBERTY EoE TREAT Study”

Gencer Kurt, MD

Aarhus University Hospital

“Perinatal Factors Increase Risk of Eosinophilic Esophagitis – A Nationwide Case-Control Study”

American Academy of Pediatrics Section on Allergy and Immunology Pediatric Abstract Awards

FIT Award Recipients - \$750

Yih-Chieh Chen, MD

Brigham and Women's Hospital

“Maternal Prenatal Inflammation Is Associated With Offspring Childhood Asthma”

Matthew J. Kan

University of California, San Francisco

“T cell receptor diversity as a biomarker for immune reconstitution after bone marrow transplantation for Severe Combined Immunodeficiency”

Laura A. Wang, MD

University of Colorado

“Outcomes of Infants Born to Group B Streptococcus-Positive Mothers with a Reported Penicillin Allergy”

Junior Faculty Recipients - \$1000

Lyndsey M. Muehling, PhD

University of Virginia

“Unsupervised Cluster Analysis of Nasal Cytokines During RV Infection Identifies Distinct Immunophenotypes in Both Children and Adults with Allergic Asthma”

Michael G. Sherenian, MD

Cincinnati Children's Hospital Medical Center

“Thrombin and Fibrinogen Play a Critical Role in Atopic Dermatitis Pathogenesis”

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

Anaphylaxis, Dermatology and Drug Allergy (ADDA)

Monica Hajirawala, MD

Tulane University

“Risk Associated with Common Procedures Performed in a Referral Allergy Clinic”

Asthma Diagnosis and Treatment Interest Section (ADT)

Caitlan Murphy, MD

University of Wisconsin-Madison

“Early Life Risk Factors for Lung Function During Childhood & Adolescence”

Basic and Clinical Immunology (BCI)

Sara M. Ghannam, MD

Cleveland Clinic Foundation

“COVID Antibody Production Following Vaccination in Immunocompromised Subjects – A Quality Improvement Project”

Environmental and Occupational Respiratory Diseases (EORD)

Andrew D. McKernan, MD

Tulane University

“Aeroallergen Sensitization Patterns In The New Orleans Area”

Food Allergy & Eosinophilic Disorders (FAED)

Simin Zhang, MD

University of Cincinnati

“A connection found between mast cells and pain in eosinophilic esophagitis”

Health Outcomes, Education, Delivery and Quality (HEDQ)

Evelyn Konsur, MD

Rush University

“African American Chronic Rhinosinusitis Patients Have Worse Outcomes Compared to Whites After Treatment”

Immunotherapy, Rhinitis, Sinusitis and Ocular Diseases (IRSO)

Margaret S. Kim, MD

Northwestern University of Feinberg School of Medicine

“The Presence of Chronic rhinosinusitis (CRS) is Associated with Increased Healthcare Utilization in Patients with Asthma and Bronchiectasis (BE)”

Mechanisms of Asthma and Allergic Inflammation (MAAI)

Andrea Sitek
Mayo Clinic School of Graduate Medical Education
“Tmem178 Inhibits Allergic Inflammation In a Murine Model of Asthma”

2022 International Travel Scholarships

The following international in-training members have been awarded International Travel Scholarships to attend the Annual Meeting. The 2022 International Travel Scholarships are funded by the AAAAI and selected by an ad hoc panel of international fellows.

Europe

Taras Baranovskyi, MD
Shupyk National Medical Academy of Postgraduate Education

Hadeil Morsi, MBBS MRCP MSc
Oxford University Hospitals

2022 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.

Anisha Arora, MD
Arundhati Chandini Arjun, MD
Jamie Chen
Brian T. Cheng
Anandu Dileep, DO
Dore Dorzia, MD
David Doud, DO
Charlene M. Dunaway Altamirano, MD
Sabine Eid, MD
Alexander G. Emerson, MD
Jenna Essink, MD
Carly A. Gunderson, MD
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Heema Shah, DO
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Eli Stein
Carolyn Strauch
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William C. Wesson
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Melanie M. Wong
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Omar H. Elsayed-Ali, MD
Ejiofor Ezekwe, Jr., MD PhD
Alick Feng, MD
Jenika Ferretti-Gallon, MD
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Lauren Kaminsky, MD PhD

2022 Domestic Fellow-in-Training Travel Scholarships

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

Funded by the AAAAI.

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Ozge Nur Aktas, MD
Omar Almatrafi, MD MPH
Nouf Alsaati, MBBS MMSc
Ayman Aouthmany, MD
Sowmya Arja, MD
Claire E. Atkinson, MD
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Jaspreet K. Benipal, DO
Joshua S. Bernstein, MD
Anand Bhat, MD
Sundus Bhatti, MD
Brittany Bindon, MD

2022 Domestic Fellow-in-Training Travel Scholarships (continued)

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Levi J. Keller, MD
Susamita Kesh, MD
Zeeshan Khakwani, MD
Muhammad B. Khalid, MD
Najeeb Khan, MD
Shivani Khanna, MD
Margaret S. Kim, MD
So Lim Kim, MD
Darya Koenig, MD
Evelyn Konsur, MD
Grace Koo, MD
Mansi Kothari, MD
Mansi Kotwal, MD
Matthew S. Krantz, MD
Stephanie A. Kubala, MD
Carolyn Kwiat, MD MPH
Veronica Kwiatkowski, MD
Brenna LaBere, MD
Abigail Lang, MD
Valerie H. Le, MD
Kelsey M. Lecerf, MD
Jenny J. Lee, MD
Kevin KD Lee, MD
Michael C. Lee, DO
Shun Chi Ryan Lo, MD
Sarah K. Lohrenz, MD
Chad Lomas, MD
Michell M. Lozano Chinga, MD
Aimee Magnarelli, DO
Mariam Majzoub, MD
Thomas A. Makin, MD
Vikram B. Malik, MD
Nurbek Mambetsariev, MD PhD
Giulia M. Martone, MD
Sonia Mathew, MD
Laura E. Maurer, MD
Matthew R. McCulloch, MD
Amanda McIntyre, MD
Annamaria G. Mechtiler, MD
Geneva Mehta, MD
Melissa Mendoza Suyo, MD
Pavle S. Milutinovic, MD PhD
Christelle Miot, MD
Mitchell Pitlick, MD
Sunjay Modi, MD
Aisha Mohammed, MD
Paula M. Mohyi, MD
Rehan Mujahid, DO
Jyotsna Mullur, MD
Caitlan Murphy, MD
Aishwarya Navalpakkam, MD
Safia F. Nawaz, MD
Hannah N. Neuhaus, MD
Michael Z. Nevid, MD
Cindy M. Nguyen, MD
Kim Nguyen, MD
Mengwei Ni, MD
Matthew R. Norris, MD
Maxwell Norris, MD
Sebastian Ochoa Gonzalez, MD
Jennifer Ohtola, MD
Gilbert Ortega, MD
Farheen Osman, MD
Shalin Pandya, MD
Hyun J. Park, MD PhD
Gaytri Patel, MD
Jaimin H. Patel, DO
Naiya Patel, MD
Sana Patel, MD
Jodan A. Pathinathan, MD
Sara S. Patrawala, MD
Alexander Patterson, MD
Jordan D. Pitt, MD
Jessica H. Plager, MD
Adam S. Price, MD
Pooja Purswani, MD
Lourdes G. Ramirez, MD
Courtney Ramos, DO
Prudhvi Regula, MD
Whitney Reid, MD
Lauren Rigg, MD
Shaunah S. Ritter, DO
Syed M. Rizvi, MD
Jake Rosenblum, DO
Karina Rotella, MD
Cheryl P. Rozario, DO
Carlos A. Salgado, MD
David A. Sanchez, MD
Amandeep Sandhu, MD
Sumeet Sandhu, MD
Ashley Sandoval, MD
Sandeep Sarkaria, MD
Nicholas Scanlon, MD
Stephen A. Schworer, MD PhD
Sybelle M. Serrano-Santiago, MD
Mara N. Shapero, MD
Pragya Shrestha, MD
Abeer Siddiqi, MD
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Jing Yi Sun, MD
Ragha V. Suresh, MD
Sebastian Sylvestre, MD
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Priyanka Timothy, MD
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Laura Ann Wang, MD

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Andrew Winslow, MD
Nicole L. Wolfset, MD
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Richard Wu, MD
Susan S. Xie, MD
Barbara Yang, MD
Fernanda D. Young, MD
Saira Q. Zafar, MD
Soombal Zahid, DO
Shouling Zhang, MD
Simin Zhang, MD
Hannie Zomer Bolanos, MD

2022 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.

Farida Abi Farraj, MD
Mohammad Asad, PhD
Yadavalli Chandra Sekhar, PhD
Michelle Chu
Casey G. Cohen
Arya Dahal
Roxanne Dupuis
Jea Young Lee, PhD
Anish R. Maskey
Mary C. Moran
Kieran J. Phelan
Rachael E. Rush
Esha Sehanobish, PhD
FNU Shakuntulla, MD
Adam K. Wade-Vallance

2022 AAAAI/EAACI Reciprocal Travel Grants

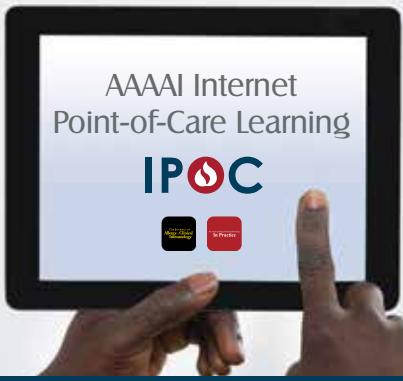
Each year, AAAAI sponsors two EAACI junior members to attend the AAAAI Annual Meeting, and in turn, EAACI sponsors two AAAAI fellows-in-training to attend the EAACI Congress.

Mattia Giovannini, MD
Anna Meyer Children's University Hospital in Florence (Italy)

Beatriz Moya, MD
Food Allergy Interest Group (Spain)

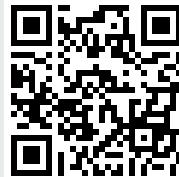
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American Academy of
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Two types of continuing education credit will be available for participants in the 2022 AAAAI Annual Meeting: *AMA PRA Category 1 CME Credits™* for physicians and Continuing Education (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 24, 2022 using the link provided on the Annual Meeting website. Credit claiming will be available through December 31, 2022.

Physicians – Continuing Medical Education (CME) Credits

Accreditation Statement

The American Academy of Allergy, Asthma and Immunology (AAAI) 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 290.25 *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 (AAAI) is a Provider, approved by the California Board of Registered Nursing, Provider #10704, for up to 290.25 Contact Hours.

Medical Administrators

Practice administrators who attend the 2022 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.

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

Pharmacists are encouraged to contact their state boards of pharmacy to determine if reports of participation in the 2022 AAAAI Annual Meeting are accepted for licensure.

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.

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.

Introduction to Session Tracks



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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

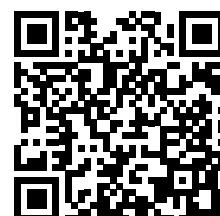
These categories are included in the session descriptions in the Online Program as well. Use this index to tailor your Annual Meeting agenda to best meet your learning needs and answer your questions about your practice.



American Academy of
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VIRTUAL ANNUAL MEETING
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There is still time to claim your 2021 Virtual Annual Meeting Credits. Continuing education credits and attendance certificates can be claimed online through **March 1, 2022**.

Claim credits now!



Introduction to Session Tracks



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Allergens/Allergy Testing/Allergy Therapeutics

Thursday, February 24, 2022

- 0001** 36th Annual Harold S. Nelson Military Allergy/Immunology Symposium
0201 Basic Aeroallergen Course

Friday, February 25, 2022

- 1205** Diagnostics in Allergy & Immunology: An Update
1806 Controversial Topics in Allergen Immunotherapy: Dose Adjustment Strategies after Gaps in Therapy, Severe Asthma, Waiting Times and Epinephrine Autoinjectors

Saturday, February 26, 2022

- 2005** Diagnostics in Cannabis Allergy
2101 Preparing for the Next Pandemic: From Mechanisms to Vaccines
2307 Allergen Immunotherapy (AIT): New Forms and New Data on Old Variants
2522 National Institute of Environmental Health Sciences (NIEHS): Molecular Characterization of Allergens and Specific IgE Antibodies
2553 Patients with Severe Asthma Should Be Permitted to Receive Allergen Immunotherapy
2809 Subcutaneous Immunotherapy: Cross-Reactivity, Extract Stability and Optimum Dosing
2811 Allergic Disease Triggered by Cannabis Production and Consumption

Sunday, February 27, 2022

- 3001** Air Sampling and Analysis: Current Approaches and Future Developments
3704 EORD: Impact of Climate Change on Pollen, Mold and Susceptibility to COVID-19 Infection

Monday, February 28, 2022

- 4006** Carbohydrate Epitopes as Targets for Immunoglobulin E (IgE) Antibodies: New Developments the Allergist Should Know
4703 Best Clinical Practices for Allergen Immunotherapy
4712 Component Resolved Diagnostics in Pet Allergies

Pre-Recorded Sessions

- 5125** Personalized Medicine and Rhinitis
5126 Allergen Diagnostics: Component Testing for Respiratory Allergens
5127 Diagnosis in Allergic Respiratory Diseases: Beyond Detection of Immunoglobulin E (IgE)
5134 Allied Health: Research Studies and Oral Immunotherapy (OIT): One Size Does Not Fit All
5144 COVID-19 and Allergen Immunotherapy
5209 Dynamic Interactions of Pollen and the Environment with Allergic and Respiratory Disease

Allergic and Immunologic Skin Diseases

Friday, February 25, 2022

- 1510** Practical Issues of Managing a Patient with Allergic Skin Diseases on Biologics

Saturday, February 26, 2022

- 2022** Allied Health: Refractive Urticaria: When Antihistamines Don't Work
2521 National Institute of Allergy and Infectious Diseases (NIAID): New Insights Into the Immunoregulation of Atopic Dermatitis

Sunday, February 27, 2022

- 3011** Contact Dermatitis Through the Ages: Infants to Seniors
3302 A New Age of Allergic Skin Diseases

Allergy Office Practice

Friday, February 25, 2022

- 1101** Allied Health: Using a Team Approach to Allergy/Immunology Care: A Collaborative Model Using Medical Doctors, Advanced Practice Nurses, Registered Nurses, Physician Assistants and Medical Assistants
1206 The Clinical Utility of Pollen and Mold Counts in the Allergy Office
1208 Expanding Your Practice: Clinical, Administrative and Reimbursement Strategies for Success
1209 Engaging Your Learners at the Annual Meeting with Innovative Approaches
1505 The Role of the Practicing Allergist in the Management of Eosinophilic Esophagitis
1521 The Journal of Allergy and Clinical Immunology (JACI): In Practice Year-in-Review Workshop
1526 How and Why to Engage Your Practice with the AAAAI Registry
1527 Negotiating Work-Life Integration

Saturday, February 26, 2022

- 2305** Rethinking How We Manage Asthma and Allergic Diseases Post- Pandemic
2803 Embracing the Continuous Assessment Program (CAP) Together as a Team: Diplomates, ABAI and AAAAI

Sunday, February 27, 2022

- 3706** HEDQ: What the Allergist/Immunologist Needs to Know About Health Disparities

Introduction to Session Tracks



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Monday, February 28, 2022

- 4307** Shared Decision Making (SDM): Recent Advances for Allergy/Immunology Patients

Pre-Recorded Sessions

- 5004** Workforce Challenges in Allergy/Immunology
5118 Joint Task Force on Practice Parameters (JTFPP) Guidelines: Practice Parameters, Guidelines, and Updates
5123 Evolving Choosing Wisely: Identifying Vulnerabilities in Allergy/Immunology Care
5210 How an Engaging Allergy/Immunology Elective Grows Your Practice and Our Specialty
5217 Allied Health: Navigating Access to Biologics: Medical Benefit, Pharmacy Benefit and Copay Assistance
5218 Allied Health: Telemedicine Tips for Advanced Practice Providers

Anaphylaxis/Urticaria/Angioedema

Friday, February 25, 2022

- 1201** 2022 Difficult Cases
1202 From Acute to Chronic, the Many Faces of Urticaria
1522 Idiopathic Angioedema Without Urticaria: State of the Art Approach to Diagnosis and Management

Saturday, February 26, 2022

- 2001** Not All Anaphylaxis Is The Same: Failure to Recognize Atypical Anaphylaxis Presentation Is Common
2551 Evidence Indicates That Patients Taking Beta Blockers Are at Increased Risk for More Serious Anaphylaxis

Sunday, February 27, 2022

- 3101** Anaphylaxis: Novel Mechanisms and Emerging Therapeutic Interventions
3301 World Allergy Forum: Updates on Anaphylaxis from the World Allergy Organization (WAO), Mario Sánchez Borges Memorial Symposium
3501 Infant Anaphylaxis
3701 ADDA: Biphasic Anaphylaxis: Integrating Best Value Care with Patient Safety

Pre-Recorded Sessions

- 5103** "Is it Just Me or Does My Throat Feel Tight?": Considering Mimickers of Anaphylaxis
5104 Defining and Managing Anaphylaxis in 2022
5142 Allied Health: Demystifying Epinephrine
5219 Update from the U.S. Food and Drug Administration

Asthma

Friday, February 25, 2022

- 1011** 2022 FIT Symposium
1203 Lessons Learned from National Institutes of Health (NIH) Severe Asthma Networks on Evaluating and Managing Difficult to Control Asthma
1204 It All Matters: A Multi-Pronged Approach to Asthma Pathogenesis
1213 Allied Health: An Update on Allergic Conditions in 2021 for the Allied Health Provider
1250 Allied Health: Difficult Cases: What to Do When Nothing Works
1503 The Best Possible Care for Children with Severe Asthma
1504 Older Adults with Severe Asthma: Updates on Optimal Management
1523 Proteomic and Lipidomic Approaches to Understanding Asthma
1530 Severe Asthma Exacerbations: Consequences and Prevention
1601 Presidential Plenary: Digital Health and Remote Patient Monitoring for Patients with Difficult to Control Asthma
1802 School Based Asthma Management and COVID-19: Addressing Health Disparities
1803 Early Life Environmental Exposures Regulate Host Allergic Immune Responses: Lessons Learned from the Asthma and Allergic Diseases Cooperative Research Centers (AACRCS) Birth Cohorts
1805 Innovative Digital Technologies for Asthma Management: Improving Patient Engagement and Care Delivery
1810 Allied Health Plenary: COVID-19 in 2022: Update for the Health Care Professional

Saturday, February 26, 2022

- 2002** Emerging and Existing Biomarkers in Asthma Diagnosis and Management
2007 Using Electronic Medication Monitors to Help Manage Asthma in Your Clinic
2301 European Academy of Allergy and Clinical Immunology (EAACI): Immune Modulation for Asthma
2302 Intersection of Genetics, Transcriptomics and Health Disparities in Severe Asthma
2312 Allied Health: Psychosocial Dynamics with Asthma: Challenges, Vulnerabilities, and Supports
2502 The Use of Integrative Medicine in the Treatment of Severe Asthma: A Problem-Based Learning (PBL) Case
2503 The Latest and Greatest 2019 Update to the American Thoracic Society (ATS)/European Respiratory Society (ERS) Standardization of Spirometry
2504 Management of Pediatric Asthma Exacerbations: From Clinic to Emergency Department (ED) and Beyond
2801 Hot Topics in Pediatric Allergy and Immunology

Introduction to Session Tracks



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Sunday, February 27, 2022

- 3003** Problem-Based Learning (PBL): The Importance of Digital Medicine in the Treatment of Severe Asthma/Asthma and Chronic Obstructive Pulmonary Disease (COPD)
- 3004** Characteristics and Management of Pediatric Severe Asthma: An Algorithmic Approach
- 3303** Uncovering the Links Between Toxic Stress and Asthma: Implications for Prevention, Disparities and Treatment
- 3308** Allied Health: Difficult to Control Asthma Across the Ages
- 3502** Telemedicine in Schools for Asthma and Allergy Care
- 3503** Contracting for Adherence: A Special Approach to Adolescents with Severe Asthma
- 3505** Asthma/Chronic Obstructive Pulmonary Disease (COPD) Overlap in the Workplace
- 3520** Asthma Educators Course for Preparation to Become a Certified Educator: Day One
- 3551** Home-Based Spirometry Is Ready for Prime Time
- 3552** Electronic Adherence Monitoring Improves Asthma Care
- 3702** ADT: The Role of the Maternal Diet During Pregnancy in Asthma and Allergy Prevention
- 3708** MAAI: The Idiosyncrasies of Severe Asthma Evidence from Cellular, Molecular and Genomic Studies

Monday, February 28, 2022

- 4005** The Smart Home Health and Fitness Revolution: Helping Patients Utilize Personal Health Technology
- 4008** Asthma Management in the Age of COVID-19
- 4020** Asthma Educators Course for Preparation to Become a Certified Educator: Day Two
- 4301** Schools and Difficult to Control Asthma
- 4302** The Evolving Impact of Respiratory Viruses on Asthma
- 4305** Mitigating the Allergen Exposures Causing Uncontrolled Pediatric Asthma
- 4308** Potential Untapped Targets in Severe Asthma
- 4701** Improving the Pediatric Asthma Visit: Tools for Obtaining a History, Correct Diagnosis and Treatment Plan
- 4702** Treatment Algorithms for Difficult to Control Asthma in Diverse Populations
- 4705** New Insights Into Work-Related Hazards
- 4711** Monoclonal Antibodies (MABS) for Kids: Picking the Right Biologic Therapy for Children with Severe Asthma

Pre-Recorded Sessions

- 5001** Microbial Contribution to Asthma Pathogenesis
- 5003** Asthma: The Basics of Medical Education Strategies from Instructional Design to Disparities
- 5106** Are You What You Eat in Atopy and Autoimmunity?
- 5107** Beyond Short-Acting Bronchodilator (SABA): Next-Line and Adjunct Treatments for Exercise-Induced Bronchoconstriction (EIB)
- 5108** Managing Metabolic Dysfunction in Asthma: An Opportunity for Improvement
- 5109** Childhood Asthma: How Does it Begin? Can We Prevent it?
- 5110** Is Severe Asthma Management Different Across the Age Spectrum?
- 5111** Biologic Selection in Patients with Asthma, Allergic Rhinitis and Atopic Dermatitis
- 5116** Improving Adherence and Outcomes for the Difficult-to-Treat Asthma Patient
- 5119** Partnering with Federally Qualified Health Centers (FQHCs) to Advance Research, Education and Specialty Care in Allergy/Immunology for Underserved Patients with Uncontrolled Asthma
- 5120** Health Disparity and its Devastating Impact on Patients Who Have Combined Chronic Airways Disease: Chronic Rhinosinusitis (CRS) and Asthma
- 5135** Allied Health: Asthma and Obesity
- 5202** Asthma Exacerbations in Childhood: Risk Factors, Consequences, Causes and Ways to Alter Them
- 5203** Viral Vaccines for Asthma
- 5208** The Role of Fungi in Difficult to Control Asthma
- 5220** National Heart, Lung, and Blood Institute (NHLBI): Innovation in School-Based Asthma Care
- 5301** Treatment of Aspirin Exacerbated Respiratory Disease (AERD): Surgery and Aspirin (ASA) Desensitization Should Be the Standard of Care

Autoimmune/Auto-inflammatory Disorders

Monday, February 28, 2022

- 4304** Autoinflammatory Syndromes: How and When to Do a Diagnostic Work Up and Current Treatment Options

Pre-Recorded Sessions

- 5113** Immune Pathway Targeting with Biologics for the Treatment of Inflammatory Conditions

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Drug/Insect Allergy/Vaccines

Thursday, February 24, 2022

- 0102** Practical Workshops to Jumpstart Your Drug Allergy Assessments

Friday, February 25, 2022

- 1501** Practical Approach to Aspirin and Non-Steroidal Anti-Inflammatory Drugs (NSAIDs) Challenges and Desensitizations for Patients with Aspirin-Exacerbated Respiratory Disease (AERD) and Other NSAID Allergies
1508 Biologics in Aspirin-Exacerbated Respiratory Disease (AERD)
1801 Practical Guidance for the Evaluation and Management of Drug Hypersensitivity

Saturday, February 26, 2022

- 2804** Developing a Chemotherapy and Biologics Desensitization Program

Sunday, February 27, 2022

- 3305** Navigating Medical Mistrust in Communities of Color: How the Allergy/Immunology (A/I) Provider Can Help

Pre-Recorded Sessions

- 5101** A Bench to Bedside View of Drug Hypersensitivity
5102 Stay Current with Drug Hypersensitivity
5201 Problems in the Diagnosis and Management of Insect Allergy
5207 Vaccination and the Allergist/Immunologist

Food Allergy

Friday, February 25, 2022

- 1207** Ethnic and Racial Differences in Food Allergy
1506 Food Allergen Advisory Labels: Avoid or Ignore?
1528 Food Allergy Quality of Life: Multiple Levels of Analysis for Better Understanding and Care
1804 New Connections in Sensitization and Tolerance

Saturday, February 26, 2022

- 2012** Love at First Bite: Prevention of Food Allergy in Infants Through Early Introduction
2021 Allied Health: Psychosocial Well-Being: Living with Food Allergies
2304 Novel Therapies in Food Allergy
2313 Allied Health: Practical Challenges of Eating Potential Food Allergens: Important Nuggets to Chew on
2512 Successful Approaches to Eosinophilic Esophagitis (EoE): Long-Term Management Dilemmas
2807 Eosinophilic Gastrointestinal Diseases (EGIDs) Below the Esophagus: Emerging Data on Prevalence, Diagnosis and Treatment Advances
2808 Food Allergy on the Threshold

Sunday, February 27, 2022

- 3006** The Eosinophilic Esophagitis (EoE) Patient in Real-World Practice: Is There a Role for Combination Therapies?
3007 The Science Behind New Biomarkers and Diagnostics in Food Allergy
3511 Oral Immunotherapy (OIT): A Practical Approach
3705 FAED: Is It Sensitization or Clinical Allergy: Novel Food Allergy Diagnostics

Monday, February 28, 2022

- 4101** An Ounce of Prevention
4306 Nature versus Nurture: Genetic and Environmental Factors Implicated in the Pathogenesis of Eosinophilic Esophagitis (EoE)

Pre-Recorded Sessions

- 5105** What Does Anaphylaxis Look Like in Infants and Toddlers?
5133 Allied Health: The Challenges of Food Challenges: the Good, the Bad and the Ugly
5136 Allied Health: Food Insecurity in the Food Allergic Population
5137 Allied Health: Immunoglobulin E (IgE) or Not Immunoglobulin E (IgE): This is the Dilemma - Emerging Food Allergies
5140 Allied Health: Let the Babies Eat! How Healthcare Professionals Can Motivate Parents to Prevent Food Allergies
5141 Allied Health: Oral Immunotherapy to Foods: It Takes a Village
5302 Oral Food Challenges in Infants Are Necessary

Immune Mechanisms

Friday, February 25, 2022

- 1211** Metabolic Regulation of Viral and Inflammatory Disease
1525 Local Gastrointestinal Mechanisms of Tolerance and Hypersensitivity

Saturday, February 26, 2022

- 2004** Biologic Targeting of Aberrant Immunity in Inflammatory Disease
2506 Single Cell RNASeq: Finding the Needle in the Haystack
2806 Team Trivia: Learning About Janus Tyrosine Kinase (JAK)-Signal Transducer and Activator of Transcription (STAT) Pathways and JAK Inhibitors
2810 The Bullseye on Prostaglandins: Targeting Asthma Therapy

Introduction to Session Tracks



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Sunday, February 27, 2022

- 3306** Insights Into Th2 Regulation, B Cells, and Antibody Secreting Cells in Inflammation: Research From the 2019 AAAAI Foundation Faculty Development Awardees
- 3307** Regulation and Function of T Cells in Allergic Diseases
- 3510** Mast Cells: Living Many Different Lives
- 3553** Sensitization to Environmental Peanut Can Occur Through the Respiratory Tract

Monday, February 28, 2022

- 4704** Contributions of Eosinophils to Health and Allergy

Pre-Recorded Sessions

- 5132** Human Group 2 Innate Lymphoid Cells (ILC2s): Rapidly Moving into Clinical Relevance
- 5211** AllergoOncology: The Link Between Immunology, Allergy and Oncology
- 5213** New Insights into the Immune Mechanisms of Severe Asthma
- 5214** Novel Aspects of Airway Inflammation in Response to Environmental Challenges
- 5215** Thinking Beyond Lymphocytes in Asthma: Platelets as Immune Cells
- 5216** The Origin and Fate of Immunoglobulin E (IgE)-Switched B Cells

Immunodeficiency

Friday, February 25, 2022

- 1102** Allied Health: Finding the Zebra: Understanding How to Diagnose an Immune Disorder
- 1502** Update on the Guidelines for Work-Up and Management of Patients with 22q11.2 Syndrome
- 1524** Genetic Testing 101
- 1531** Allied Health: Subcutaneous Immunoglobulin (SCIG): A Therapy in Evolution

Saturday, February 26, 2022

- 2303** The Genetics of Primary Immunodeficiency Disorders
- 2501** Psychosocial Impact of Primary Immunodeficiency Disorders (PID) in Children: Implications for Treatment
- 2505** Recurrent Fever in the Pediatric Patient
- 2552** Genetic Testing for All: Putting the Cart Before the Horse?

Sunday, February 27, 2022

- 3005** Chronic Granulomatous Disease (CGD) in a New World
- 3010** What to Do with an Abnormal Newborn Screen
- 3703** BCI: Prevention and Treatment of COVID-19 in Patients with Primary Immune Deficiency Disease (PIDD)

Pre-Recorded Sessions

- 5114** The Role of the Immune System in Severe COVID-19 Infections
- 5115** Hot New Defects in Clinical Immunology
- 5204** The Know-How of Immunoglobulin Replacement Therapy and Management
- 5205** Antibody Deficiency Syndromes and Lung Disease
- 5206** Diagnosis and Management of Secondary Hypogammaglobulinemia

Lung Diseases other than Asthma

Friday, February 25, 2022

- 1251** Allied Health: The Impact of the Vaping Epidemic on Teens and Young Adults with Asthma

Saturday, February 26, 2022

- 2511** COVID-19 Associated Pulmonary Aspergillosis
- 2805** Problem Based Learning (PBL) Case: An Adult with Severe Uncontrolled Asthma or Is It Asthma/Chronic Obstructive Pulmonary Disease (COPD) Overlap (ACO)?

Sunday, February 27, 2022

- 3304** Mechanisms of Environmental Biohazard Influencers of Allergic Respiratory Disease
- 3504** Diagnosis and Treatment of Multisystem Inflammatory Syndrome (MIS-C) in Children

Monday, February 28, 2022

- 4003** Pediatric Interstitial Lung Disease (ILD) as a Manifestation of Systemic Immunological Disorders

Pre-Recorded Sessions

- 5002** The Impact of Air Pollution and Climate Change in Viral, Fungal and Bacterial Airways Infection
- 5112** Recognizing and Treating Interstitial Lung Disease in Primary Immunodeficiency

Mast Cell/Eosinophilic Disorders

Thursday, February 24, 2022

- 0101** Breakthroughs in Understanding and Treating Eosinophilic Gastrointestinal Diseases (EGID): Organized by CEGIR and TIGERS

Friday, February 25, 2022

- 1807** Novel Discoveries in Mast Cell Biology

Saturday, February 26, 2022

- 2011** Complex Cases in Eosinophilia: Differential Diagnoses, Evaluation, and Management
- 2509** What Have We Learned from Human Eosinophil ‘Knockouts’?
- 2510** Before You Call It Mast Cell Activation Syndrome (MCAS): Crucial Steps in Making the Right Diagnosis

Introduction to Session Tracks



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Sunday, February 27, 2022

- 3009** Heterogeneity of Eosinophils: Treatment and Management Strategies

Pre-Recorded Sessions

- 5212** Beyond Immunoglobulin E (IgE): Reconsidering Mechanisms of Mast Cell Activation in Clinical Allergy

Research Principles

Friday, February 25, 2022

- 1212** How to Survive as an Academic Translational Scientist Pursuing Asthma/Allergy/Immunology Research in the Current Funding Environment
- 1507** Insights into Obtaining Grants Offered by the AAAAI Grants Committee

Saturday, February 26, 2022

- 2010** Recent Advances in Animal Models of Allergic Disease
- 2306** Racism, Not Race as a Root Cause of Health Disparities

Pre-Recorded Sessions

- 5117** Harnessing Available Data in Answering Important Questions About Allergic/Immunologic Diseases
- 5124** Structural Racism and COVID-19: Lessons Learned About Achieving Racial Equity in Research, Vaccine Uptake and Asthma
- 5139** Allied Health: You Down with Regulatory, Yeah You Know Me

Rhinosinusitis/Ocular Allergy

Friday, February 25, 2022

- 1210** Introductory Rhinolaryngoscopy Course with Hands-On Learning
- 1529** Nasal and Sinus Anatomical Abnormalities and Reading Sinus Computerized Tomography (CT) Scans: What an Allergist Should Know
- 1808** Fungal Diseases of the Respiratory Tract: From Bench to Bedside

Saturday, February 26, 2022

- 2009** When Should Endoscopic Sinus Surgery Be Considered for Chronic Rhinosinusitis Patients?
- 2802** The Journal of Allergy and Clinical Immunology (JACI) Year-in-Review Workshop

Sunday, February 27, 2022

- 3002** Aspirin Challenges and Desensitizations for Asthma Control in Aspirin Exacerbated Respiratory Disease (AERD)
- 3508** The Unified Airway Disease Hypothesis in Clinical Practice
- 3707** IRSO: Rhinitis and Rhinosinusitis: The Role of Type 2 Immune Regulation in COVID-19 Pathogenesis

Monday, February 28, 2022

- 4002** The Impact of Chronic Rhinosinusitis on Asthma Outcomes: An Allergist's and Ears, Nose and Throat (ENT's) Perspectives
- 4303** A Multidisciplinary Approach to Refractory Chronic Cough
- 4713** Ocular Allergies: New Delivery Concepts for Anterior Ocular Delivery of Treatment

Pre-Recorded Sessions

- 5121** COVID-19 and its Link to Upper Airway Inflammation
- 5122** Refractory Asthma: Can They Smell the Roses?
- 5128** Non-Surgical Treatment for Chronic Rhinosinusitis with Nasal Polyps (CRSwNP)
- 5129** Updates from the Bench: Novel Insights into The Pathophysiology of Chronic Rhinosinusitis (CRS) and Potential Applications for Clinical Therapies
- 5130** Endotypes and Phenotypic Implications of Chronic Rhinosinusitis (CRS)
- 5131** Multidisciplinary Approach to the Management of Chronic Rhinosinusitis
- 5143** Recent Advancements in the Mechanisms of Chronic Rhinosinusitis (CRS)
- 5303** Eosinophils Are Important in Chronic Rhinosinusitis Pathogenesis

Training and Career Development

Thursday, February 24, 2022

- 0601** 2022 ABAI Continuous Assessment Program Literature Review Course

Friday, February 25, 2022

- 1012** 2022 Chrysalis Project Program (Invitation Only)
- 1110** Developing and Maintaining Excellence in Allergy/Immunology Fellowship

Saturday, February 26, 2022

- 2405** Career Paths in Allergy and Immunology
- 2701** The Importance of Diversity in Academia and Team Performance

The AAAAI wishes to recognize and thank the many volunteers that make the National Allergy Bureau™ a success!

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- Quality Clinical Data Registry With Specialty-Specific Measures
- AAAAI Advocacy Efforts Impacting Allergy/ Immunology

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The screenshot shows the main navigation bar with links like "Home", "About Us", "Join", "Find an Allergist", "Advocacy", "Member Benefits", and "Search". Below the navigation is a banner for the "American Academy of Allergy, Asthma & Immunology". To the right of the banner, there's a photo of a doctor examining a young child. A blue button labeled "AAAII Member Portal" is visible. Further down, there are sections for "Latest News for Members", "COVID-19 Resources", and "Allergist / Immunologist Resources". A small graphic of a virus cell is also present.

A podcast series featuring thought leaders from the world of allergy and immunology.



Hosted by
AAAAI Social
Media Medical
Editor, David
R. Stukus, MD,
FAAAI



Conversations from the World of Allergy is a podcast series from the American Academy of Allergy, Asthma & Immunology (AAAAI).

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Thursday, February 24, 2022

Chrysalis Project Registration (Invite Only)

6:00 to 7:00 pm

Sheraton, Second Level, Maryvale A

Registration restricted to selected participants of award program.

Friday, February 25, 2022

Course

- 1012 2022 Chrysalis Project Program (Invite Only)**
7:30 am to 1:45 pm
Sheraton, Third Level, Phoenix C
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
Moderators: Asriani M. Chiu, MD FAAAAI and Rebecca Saff, MD PhD FAAAAI
- 7:30 Breakfast**
- 8:00 Welcome from Chrysalis Chairs**
Asriani M. Chiu, MD FAAAAI and Rebecca Saff, MD PhD FAAAAI
- 8:10 Welcome from the AAAAI President**
Giselle S. Mosnaim, MD MS FAAAAI
- 8:15 Immunodeficiency**
Kimberly A. Risma, MD PhD FAAAAI
- 8:45 Atopic Dermatitis**
Donald Y. M. Leung, MD PhD FAAAAI
- 9:15 Food Allergy**
A. Wesley Burks, MD FAAAAI
- 9:45 Break**
- 9:55 Asthma**
Gurjit K. Khurana Hershey, MD PhD FAAAAI
- 10:25 Drug Allergy**
Kimberly G. Blumenthal, MD MSc FAAAAI
- 10:55 Break**
- 11:05 Hot Topics Discussion Sessions**
- Immune Deficiency**
Jocelyn Farmer, MD, PhD and Sara Barmettler, MD
- Food Allergy**
Sarita U. Patil, MD FAAAAI and Emily C. McGowan, MD PhD FAAAAI
- Drug Allergy (25 minutes)**
Kimberly G. Blumenthal, MD MSc FAAAAI and Cosby Stone Jr., MD MPH
- 12:25 Chrysalis Project Participant Class Photo**
- 12:30 Lunch with FIT Mentors and Chrysalis Faculty**

Saturday, February 26, 2022

Course

- 2405 Careers Paths in Allergy and Immunology**

12:00 to 1:45 pm

Convention Center, North Building, 200 Level, Room 231A

Pre-registration and ticket required. Attendance restricted to selected participants of the Chrysalis Project program. No fee. Box lunch included.

Credit: 1.75 CME Credits

Moderator: Rebecca Scherzer, MD FAAAAI

- 12:00 Lunch**
- 12:15 Welcome/Intro**
Rebecca Scherzer, MD FAAAAI
- 12:25 Academia Clinical & Q/A**
Princess U. Ogbogu, MD FAAAAI
- 12:30 Academia Research & Q/A**
Nora A. Barrett, MD FAAAAI
- 12:35 Industry & Q/A**
Todd David Green, MD FAAAAI
- 12:40 Government & Q/A**
Kelly D. Stone, MD PhD FAAAAI
- 12:45 Private Practice & Q/A**
Adina Kay Knight, MD FAAAAI
- 12:50 Break-Out Q&A Session**
- Academia Clinical: Princess U. Ogbogu, MD FAAAAI and Amy M. Scurlock, MD FAAAAI*
- Academia Research: Nora A. Barrett, MD FAAAAI and Mitchell H. Grayson, MD FAAAAI*
- Industry: Todd David Green, MD FAAAAI and Dorothy S. Cheung, MD FAAAAI*
- Government: TBD*
- Private Practice: Adina Kay Knight, MD FAAAAI and TBD*
- 1:40 Summary**
Rebecca Scherzer, MD FAAAAI

Chrysalis Project Reception (Invite Only)

6:00 to 7:00 pm Reception

Sheraton, Fourth Level, Valley Overlook

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.

Fellows-in-Training (FIT) Programming



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Friday, February 25, 2022

Course

1011 2022 FIT Symposium

7:00 am to 1:30 pm

Sheraton, Second Level, Valley of the Sun A-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: Christine Panganiban, MD MS

7:00 Networking Breakfast

7:45 Welcome and Introduction

Christine Panganiban, MD MS

7:55 Networking Committees and Organizations

8:10 American Board of Allergy and Immunology (ABAI) Update

Michael R. Nelson, MD PhD FAAAAI

8:35 AAAAI President Welcome

Giselle S. Mosnaim, MD MS FAAAAI

8:45 Digital Health and Remote Patient Monitoring for Patients with Difficult-to-Control Asthma

Giselle S. Mosnaim, MD MS FAAAAI

9:25 Break

9:40 Delving Deep into Asthma, the Disease that Takes our Breath Away Case Based Practical Applications of the GINA Guidelines and NAEPP Guidelines in Pediatric vs Adult

Wanda Phipatanakul, MD MS FAAAAI and William W. Busse, MD FAAAAI

10:20 Atopic Dermatitis: Tips and Tricks to “Crack” Difficult Cases

Donald Y.M. Leung, MD PhD FAAAAI and Marc J Serota, MD

11:00 Break

11:15 Mast Cells Gone Crazy: Managing Mast Cell Disorders from Presentation to Treatment

Mariana C. Castells, MD PhD FAAAAI and Lawrence B. Schwartz, MD PhD FAAAAI

11:55 Let's Get Real About Wellness

Theresa A. Bingemann, MD FAAAAI and Hemant P. Sharma, MD MHS FAAAAI

12:35 Networking Lunch

Upon completion of this session, participants should be able to review practical applications of GINA Guidelines and NAEPP Guidelines in asthmatic patients; review the pathophysiology of atopic dermatitis and discuss how to best manage serve atopic dermatitis; review how to manage mas cell disorders through discussing the work-up, diagnosis and treatment options; share statistical data regarding the burden of physician burnout; share research proven tools to promote wellness.

FIT Reception

5:00 to 6:00 pm

Sheraton, Fourth Level, Valley Overlook

Sponsored by DBV Technologies

Private reception open to current allergy/immunology Fellows-in-Training only.

Saturday, February 26, 2022

Workshop

2557 Interesting Case Workshop

12:30 to 1:45 pm

Convention Center, North Building, 100 Level, Room 121A

Credits: 1.25 CME/CE

Moderator: Canting Guo, MD

12:35 A Novel Homozygous Frameshift Mutation in FERMT3 Leads to Leukocyte Adhesion Deficiency Type 3

Nouf Alsaati, MBBS MMSc

12:45 Canakinumab-Associated COVID-19 Recovery and Resolving Inflammatory Bowel-Lung-Skin Disease in XL-CGD

Natalia S. Fernandez Davila, MD

12:55 An Atypical Case of Heiner Syndrome

Brian Goodman, MD

1:05 Complement Factor I Deficiency Causing Fulminant Inflammatory Meningoencephalitis

Whitney Reid, MD

1:15 Imatinib Use in Severe Bullous Cutaneous Mastocytosis Complicated by Recurrent Anaphylaxis

Ban Wang, MD

Sunday, February 27, 2022

Workshop

3557 Interesting Case Workshop

12:30 to 1:45 pm

Convention Center, North Building, 100 Level, Room 121A

Credits: 1.25 CME/CE

Moderator: Neema Izadi, MD MS

12:35 Aquagenic Urticaria Treated with Omalizumab

Kiera L. Brennan

12:45 Endogenous Autoimmune Progesterone Dermatitis: Successful Suppression and Desensitization

Tiffany Dharia, MD

12:55 Brachioradial Pruritus: Secondary Lesions and Itch Not Mediated by Histamine

Ragha V. Suresh, MD

1:05 A Rash for a Rash: Drug Induced Lupus with Isotretinoin

Joshua D. Eubanks, MD

1:15 Eczema Herpeticum, a Challenging Diagnosis in an Adult with Recurrent Shingles Outbreaks

Crystal K. Wu, MD

Assembly and Business Meetings



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Program Directors Assembly (PDA) Forum and Networking Luncheon

Friday, February 25, 12:00 pm to 1:45 pm

Hyatt, First Floor, Regency Ballroom

12:00 Welcome and Program Directors Assembly Executive Committee

Update

David A. Khan, MD, FAAAAI

12:10 Assembly Networking Luncheon

Friday, February 25, 4:45 to 6:30 pm
Convention Center, North Building, 200 Level, Room 229A
Forum: Local and state societies: a roadmap to participation and advocacy
Jennifer Namazy, MD FAAAAI, Immediate Past President, Western Society of Allergy, Asthma, and Immunology
Andrea A. Pappalardo, MD FAAAAI, President, Illinois Society of Allergy, Asthma & Immunology, Chicago, IL
Margaret Redmond, MD, Ohio Allergy and Immunology Society
Emily L. Graham, RHIA CCS-PVP, Regulatory Affairs, Hart Health Strategies, Inc.
Moderator: A. Sean McKnight, MD FAAAAI, RSL Region 6 Governor



THE AAAII FOUNDATION IS PLEASED TO ANNOUNCE THE RECIPIENTS OF OUR 2022 FACULTY DEVELOPMENT AWARDS:

Jessica W. Hui, MD

National Jewish Health

"The Role of Temperature on the Skin Barrier and the Development of Atopy"

Jocelyn Farmer, MD, PhD

Massachusetts General Hospital

"Define Immune Correlates of a Protective Response to SARS-CoV-2 Vaccine in Patients with Humoral Immunodeficiency"

Hsi-en (John) Ho, MD

Icahn School of Medicine at Mount Sinai

"Dissecting Differential Inflammatory Response to Microbial Translocation in Primary Antibody Deficiencies"

Sergio E. Chiarella, MD

The AAAII Foundation & Donald YM Leung, MD, PhD, FAAAAI, Faculty Development Award.

Mayo Clinic - Division of Allergic Diseases

"Investigation of Tmem178 as a Novel Endogenous Inhibitory Pathway in Asthma"



Supporting every area of your practice every day

Are you meeting quality reporting requirements in the MIPS program? You should be reporting on quality measures relevant to YOUR practice:

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

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in the Practice
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- Get ABAI Part IV MOC credits



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www.aaaai.org/registry

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Thursday At-A-Glance



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Thursday, February 24

6:00 AM	
7:00 AM	
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	
7:00 PM	

Registration 6:30 am - 7:00 pm

36th Annual Harold S. Nelson Military Allergy/Immunology Symposium
7:20 am - 3:15 pm

Basic Aeroallergen Course
8:30 am - 5:00 pm

Practical Workshops to Jumpstart Your Drug Allergy Assessments
8:00 am - 1:15 pm

2022 ABAI Continuous Assessment Program Literature Review Course
2:00 - 4:30 pm

Breakthroughs in Understanding and Treating Eosinophilic Gastrointestinal Diseases (EGID): Organized by CEGIR and TIGERS
8:00 am - 5:00 pm

Thursday Scientific Program



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Thursday, February 24

In-Person Course

0001	36th Annual Harold S. Nelson Military Allergy/Immunology Symposium <small>TICKET</small> <small>S</small> <small>V</small>
	7:20 am to 3:15 pm
	Convention Center, North Building, 100 Level, Room 131A
	Pre-registration and ticket required. Fee: \$60
	Credits: 6.50 CME/CE
7:20	Registration and Breakfast
7:50	Welcome and Overview <i>Jeannie L. Bay, DO</i>
8:00	Morning Address: COVID-10 Vaccine Allergy <i>Kimberly G. Blumenthal, MD MSc FAAAAI</i>
9:00	Break
9:10	Case Reports
10:25	Original Research
11:10	Defense Health Agency: Immunization Healthcare Division Update <i>Bruce M. McClenathan, MD FAAAAI</i>
11:40	Military Aeroallergen Extract Laboratory Updates <i>David J. Schwartz, MD</i>
11:55	Lunch
12:15	Bruton Lecture: Aspirin-Exacerbated Respiratory Disease <i>Tanya M. Laidlaw, MD FAAAAI</i>
1:20	VHA Allergy Committee <i>Joseph S. Yusin, MD FAAAAI</i>
1:40	Air Force <i>Daniel A. Steigelman, MD</i>
2:00	Army <i>David J. Schwartz, MD</i>
2:20	Navy <i>Taylor A. Banks, MD</i>
2:40	Venom Panel Discussion Air Force <i>Daniel A. Steigelman, MD</i> Army <i>David J. Schwartz, MD</i> Navy <i>Taylor A. Banks, MD</i>
3:05	Business Meeting and Award Presentations

In-Person Course

0101	Breakthroughs in Understanding and Treating Eosinophilic Gastrointestinal Diseases (EGID): Organized by CEGIR and TIGERS <small>TICKET</small> <small>S</small> <small>V</small>
	8:00 am to 5:00 pm
	Convention Center, North Building, 100 Level, Room 120B
	Pre-registration and ticket required. Fee: Annual Meeting Attendee - \$50 Non-Annual Meeting Attendee - \$250
	Credits: 8.75 CME/CE
8:00	Welcome and Introduction <i>Mirna Chehade, MD MPH FAAAAI</i>
8:10	Introduction to CEGIR and TIGERS <i>Fred Dan Atkins, MD FAAAAI</i>
8:25	Physicians Partnering with Patients <i>Ellyn Kodroff</i>
8:35	Physicians Partnering with Patients <i>Mary Jo Strobel</i>
8:45	Epidemiology of EGID <i>Elizabeth T. Jensen, MPH PhD</i>
9:00	Endoscopic Features of EGID <i>David Katzka, MD</i>
9:15	Defining EGID Pathology <i>Margaret H. Collins, MD</i>
9:30	Consequences of Eosinophilic Esophagitis (EoE): Remodeling <i>Seema S. Aceves, MD PhD FAAAAI</i>
9:45	Role of the Allergist and Skin Testing in EoE <i>Jonathan M. Spergel, MD PhD FAAAAI</i>
10:00	Break
10:15	Relationship Between Oral Immunotherapy (OIT) and EoE <i>Benjamin L. Wright, MD FAAAAI</i>
10:30	What We Know About Subcutaneous Immunotherapy (SCIT), Sublingual Immunotherapy (SLIT) and Oral Immunotherapy (OIT) for Aeroallergens in EoE <i>Scott P. Commins, MD PhD</i>
10:45	EoE Pathogenesis <i>Fred Dan Atkins, MD FAAAAI</i>
11:00	Genetics of EoE <i>Leah C. Kottyan, PhD</i>
11:15	Eosinophils in EoE <i>Gerald J. Gleich, MD FAAAAI</i>
11:30	T Cell Responses <i>David A. Hill, MD PhD</i>
11:45	Single Cell Analysis of EoE <i>Wayne G. Shreffler, MD PhD FAAAAI</i>
12:00	Pro/Con: What's More Important? Eosinophils vs. Mast Cells <i>Steven J. Ackerman, PhD</i> <i>Joshua Wechsler, MD</i>

Thursday Scientific Program



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Thursday, February 24

In-Person Course (continued)

12:30	Lunch Break
12:30	Pro/Con: Frequent Endoscopy vs. Monitoring Symptoms <i>Amanda Muir, MD</i> <i>Carla M. Davis, MD FAAAAI</i>
1:00	Pro/Con: Diet vs. Steroid Therapy <i>Fred Dan Atkins, MD FAAAAI</i> <i>Mirna Chehade, MD MPH FAAAAI</i>
1:30	Pro/Con: Primary Endpoint: Histology vs. Clinical <i>Nives Zimmerman, MD FAAAAI</i> <i>Robbie D. Pesek, MD</i>
2:00	Pro/Con: Aeroallergens Are a Major Trigger of EoE <i>Maureen Bauer, MD FAAAAI</i> <i>Amal H. Assa'ad, MD FAAAAI</i>
2:30	Break
2:45	Role of Multidisciplinary Team in Treating EGID <i>Mirna Chehade, MD MPH FAAAAI</i>
3:00	Nutritional Aspects for EGID <i>Kara Kiewer, PhD RD</i>
3:15	Dietary Aspects of EGID <i>Bethany Doerfler, RDN</i>
3:30	Difficult to Treat EoE – Optimizing Proton Pump Inhibitors and Steroids <i>Sandeep K. Gupta, MD</i>
3:45	EGID Beyond the Esophagus <i>Kathryn Peterson, MD MSci</i>
4:00	Biologic and Emerging Therapies <i>Evan S. Dellon, MD</i>
4:15	Going Forward <i>Michael Minnicozzi, PhD</i>
4:30	Concluding Remarks/Question & Answer <i>Fred Dan Atkins, MD FAAAAI</i>

In-Person Course

0102	Practical Workshops to Jumpstart Your Drug Allergy Assessments
	8:00 am to 1:15 pm
	Convention Center, North Building, 100 Level, Room 120A
	Pre-registration and ticket required. Fee: Annual Meeting Attendee - \$50 Non-Annual Meeting Attendee - \$250
	Credits: 5.00 CME/CE
8:00	Developing a Beta-Lactam Allergy Evaluation Program with Key Collaborators <i>David M. Lang, MD FAAAAI</i>
	Allergy <i>Panelists: Antoine Azar, MD FAAAAI</i> <i>Eric M. Macy, MD FAAAAI</i> <i>Allison Ramsey, MD FAAAAI</i>
	Infectious Diseases <i>Panelists: Erica S. Shenoy, MD</i> <i>Alon Vaisman, MD</i>
	Pharmacy <i>Panelists: Kristin Alvarez, PharmD</i> <i>Mary Staicu, PharmD</i>
8:50	Question & Answer

9:00	Developing Other Drug Allergy Testing Programs <i>Mariana C. Castells, MD PhD FAAAAI</i>
9:00	Developing a Chemotherapy and Biologics Desensitization Program <i>Panelists: Aleena Banerji, MD FAAAAI</i> <i>David I. Hong, MD FAAAAI</i>
9:30	Developing a Non-Steroidal Anti-Inflammatory Drug (NSAID) and Aspirin Challenge Program <i>Panelists: Tanya M. Laidlaw, MD FAAAAI</i> <i>Rebecca Saff, MD PhD FAAAAI</i>
10:00	All About Rashes: A Case-Based Tour of Drug-Induced Eruptions <i>Elizabeth J. Phillips, MD FAAAAI FIDSA</i>
10:00	Severe Cutaneous Adverse Reactions <i>Robert G. Micheletti, MD</i>
10:20	Vesiculobulous Eruptions <i>Arturo Saavedra, MD PhD</i>
10:40	Thinking Beyond Drug Eruptions <i>Sarina Elmariah</i>
11:00	Break
11:15	Hands-On Drug Allergy Testing Workshops <i>Allison Ramsey, MD FAAAAI</i>
11:15	Immediate Hypersensitivity Testing for Drug Allergies <i>Panelists: Aleena Banerji, MD FAAAAI</i> <i>Autumn C. Guyer, MD FAAAAI</i> <i>Eric M. Macy, MD FAAAAI</i> <i>Cosby A. Stone, MD MPH</i>
11:45	Delayed Hypersensitivity Testing for Drug Allergies <i>Panelists: Paul L. Bigliardi, MD</i> <i>Ana Copăescu, MD</i> <i>Elizabeth J. Phillips, MD FAAAAI</i> <i>Rebecca Saff, MD PhD FAAAAI</i> <i>Jason A. Trubiano, MD PhD</i>
12:15	Discussing Practical Differences in Allergy Assessments for Specific Populations <i>Elizabeth J. Phillips, MD FAAAAI FIDSA</i>

Children

Panelists: Moshe Ben-Shoshan, MD FAAAAI
Kimberly A. Risma, MD PhD FAAAAI

Pregnant Women

Panelists: Eric M. Macy, MD FAAAAI
Anna R. Wolfson, MD

Multiple Drug Allergy Syndrome

Panelists: Melissa Iammatteo, MD
Eric M. Macy, MD FAAAAI

Question & Answer

Thursday Scientific Program



American Academy of
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In-Person Course

0201 Basic Aeroallergen Course TICKET S

8:30 am to 5:00 pm

Convention Center, North Building, 100 Level, Room 122A

Pre-registration and ticket required. Fee: \$250

Credits: 6.75 CME/CE

8:30 Welcome and Introduction

Estelle Levetin, PhD FAAAAI

8:35 Introduction to Fungal Aerobiology

W. Elliot Horner, PhD LEED AP FAAAAI

9:15 Morphology of Fungal Spores

Estelle Levetin, PhD FAAAAI

10:00 Hands-On Instruction; Question & Answer

Estelle Levetin, PhD FAAAAI

11:40 Lunch

12:30 Setting Up a Sampling Station

Andrew C. Rorie, MD FAAAAI

2:00 Pollen Aerobiology Part I

Kraig W. Jacobson, MD FAAAAI

2:50 Pollen Aerobiology Part II

Richard W. Weber, MD FAAAAI

3:40 Hands-On Instruction; Question & Answer

Estelle Levetin, PhD FAAAAI

In-Person Course

0601 2022 ABAI Continuous Assessment Program Literature Review Course V

2:00 to 4:30 pm

Convention Center, North Building, 100 Level, Room 120D

Credits: 2.50 CME/CE

2:30 Introduction

David Stukus, MD FAAAAI

2:35 Food and Drug Allergy/Hypersensitivity Reactions and Eosinophilic or Gastrointestinal Disorders

Yamini V. Virkud, MD FAAAAI

3:00 Head and Neck; Lung

Anju T. Peters, MD MSci FAAAAI

3:25 Dermatologic; Anaphylaxis

John M. Kelso, MD FAAAAI

3:50 Immune Hypersensitivity Disorders; Immunodeficiencies

Yasmin W. Khan, MD

4:15 Emerging National Health Priorities

David Stukus, MD FAAAAI

A 2020 survey of 300 PIDD patients found that 41% (124/302) of adults sampled reported that...

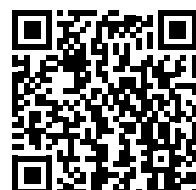


it took over 21 years beyond the onset of their first symptom **to receive a final PIDD diagnosis.**

Improve your care of PIDD patients with our new online course series:

Providing Enhanced Medical Support for Patients with Primary Immunodeficiency Disorders (PIDD)

CME and MOC Credit available



AMERICAN ACADEMY OF ALLERGY ASTHMA & IMMUNOLOGY



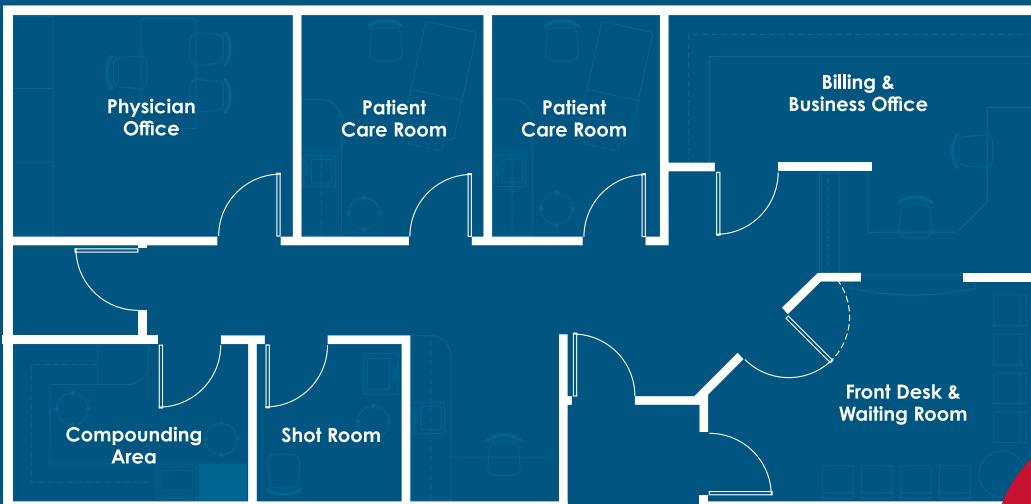
pre-reading material live stream audience response system ticket required fee required included in the Virtual Annual Meeting



American Academy of
Allergy Asthma & Immunology

Thursday, February 24

Supporting every area of your practice every day



What problem does your practice need to solve?

Practice Management Hub

Phoenix Convention Center, North Building, Lower Level 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 25, 2022

1:30 – 2:15 pm - Managing Biologics/Buy and Bill

Priya Bansal, MD FAAAAI
Practice Management Committee, Chair

1:30 – 2:30 pm - Penicillin Allergy Testing

Allison Ramsey, MD FAAAAI

3:00 – 4:00 pm - Telehealth

Gary Steven, MD FAAAAI
& Sakina Bajowala, MD FAAAAI

Saturday February 26, 2022

9:45 – 10:45 am - Navigating the Job Market

Christina Ciaccio, MD FAAAAI
Practice Management Committee, Vice Chair

10:00 – 11:00 am - Payer Relations

Richard Honsinger, MD FAAAAI
Office of Practice Management, Payer Relations

11:00 am – 12:00 pm - Scope of Practice

Stuart Abramson, MD PhD AE-C FAAAAI
Advocacy Committee, Vice Chair

12:00 – 1:00 pm - Regional, State, & Local Allergy, Asthma & Immunology Societies (RSLAAIS)

Weily Soong, MD FAAAAI
RSLAAIS, Chair

1:00 – 2:00 pm - AAAAI Practice Management Resources

James Sussman, DO FAAAAI
Office of Practice Management, Chair

3:00 – 4:00 pm - The AAAAI Registry

Gary Steven, MD FAAAAI
The AAAAI Registry, Medical Director

Sunday February 27, 2022

9:30 – 11:00 am - Compounding

Emily L. Graham, RHIA CCS-PVP
Hart Health Strategies, Inc.

11:00 am – 12:00 pm - AMA Delegates

Steven G. Tolber, MD FAAAAI,
Lynda Kabbash, MD FAAAAI, &
Shahab Virani, MD

2:00 – 3:00 pm - Advocacy

Paul Williams, MD FAAAAI
Advocacy Committee, Chair
Emily Graham, RHIA CCS-PVP
Hart Health Strategies, Inc.

2:30 – 3:30 pm - Mobile health technologies

Sunit Jariwala, MD FAAAAI
Health Informatics, Technology and Education Committee, Chair

Because **Practice Matters!** to the AAAAI

Friday At-A-Glance



American Academy of
Allergy Asthma & Immunology
ANNUAL MEETING
PHOENIX, AZ · FEBRUARY 25–28, 2022

6:00 AM						
7:00 AM						
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

Courses
9:00 am - 12:00 pm

Allied Health Advanced Practice Course
9:00 am - 12:00 pm

Allied Health Workshops
8:00 - 9:15 am

Allied Health Workshops
9:30 - 10:45 am

FIT Symposium (Sheraton)
7:00 am - 1:30 pm

2022 Crysalis Project Program (Invite Only) (Sheraton)
7:30 am - 1:45 pm

Seminars (Sheraton)
12:30 - 1:30 pm

Workshops
12:45 - 2:00 pm

Allied Health Seminar
12:30 - 1:30 pm

Allied Health Workshops
12:45 - 2:00 pm

Plenary Session
2:15 - 3:45 pm

Symposia
4:00 - 5:15 pm

Allied Health Plenary
4:00 - 5:15 pm

Friday, February 25

Friday Scientific Program



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Friday, February 25

In-Person Course

1011 2022 FIT Symposium

7:00 am to 1:30 pm

Sheraton, Second Level, Valley of the Sun A-E

Credits: 0.0 CME/CE

7:00 Networking Breakfast

7:45 Welcome and Introduction

Christine M. Panganiban, MD MS

7:55 Networking Committees and Organizations

8:10 American Board of Allergy and Immunology (ABAI) Update

Michael R. Nelson, MD PhD FAAAAI

8:35 AAAAI President Welcome

Giselle Mosnaim, MD MS FAAAAI

8:45 Digital Health and Remote Patient Monitoring for Patients with Difficult to Control Asthma

Giselle Mosnaim, MD MS FAAAAI

9:25 Break

9:40 Delving Deep into Asthma, the Disease That Takes Our Breath Away Case Based Practical Applications of the GINA Guidelines and NAEPP Guidelines: Adult and Pediatric Medicine

Wanda Phipatanakul, MD MS FAAAAI

William W. Busse, MD FAAAAI

10:20 Atopic Dermatitis: Tips and Tricks to "Crack" Difficult Cases - Allergy

Donald Y.M. Leung, MD PhD FAAAAI

Marc J. Serota, MD

11:00 Break

11:15 Mast Cells Gone Crazy: Managing Mast Cell Disorders from Presentation to Treatment

Mariana C. Castells, MD PhD FAAAAI

Lawrence B. Schwartz, MD PhD FAAAAI

11:55 Let's Get Real About Wellness

Theresa A. Bingemann, MD FAAAAI

Hemant Sharma, MD MHS FAAAAI

12:35 Networking Lunch

In-Person Course

1012 2022 Chrysalis Project Program (Invitation Only)

7:30 am to 1:45 pm

Sheraton, Third Level, Phoenix C

Credits: 0.0 CME/CE

7:30 Breakfast

8:00 Welcome from Chrysalis Chairs

Asriani M. Chiu, MD FAAAAI

Rebecca Staff, MD PhD FAAAAA

8:10 Welcome from the AAAAI President

Giselle Mosnaim, MD MS FAAAAI

8:15 Immunodeficiency

Kimberly A. Risma, MD PhD FAAAAI

8:45 Atopic Dermatitis

Donald Y.M. Leung, MD PhD FAAAAI

9:15 Food Allergy

A. Wesley Burks, MD FAAAAI

9:45 Break

9:55 Asthma

Gurjit K. Khurana Hershey, MD PhD FAAAAI

10:25 Drug Allergy

Kimberly G. Blumenthal, MD MSc FAAAAI

10:55 Break

11:30 Hot Topics: Immunodeficiency

Sara Barmettler, MD

Jocelyn Farmer, MD PhD

12:00 Hot Topics: Food Allergy

Sarita U. Patil, MD FAAAAI

Emily C. McGowan, MD PhD FAAAAI

12:00 Hot Topics: Drug Allergy

Kimberly G. Blumenthal, MD MSc FAAAAI

Cosby A. Stone, MD MPH

12:25 Chrysalis Project Participant Class Photo

12:30 Lunch with FIT Mentors and Chrysalis Faculty

Friday Scientific Program



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In-Person Workshop

- 1101 Allied Health: Using a Team Approach to Allergy/Immunology Care: A Collaborative Model Using Medical Doctors, Advanced Practice Nurses, Registered Nurses, Physician Assistants and Medical Assistant**
- 8:00 to 9:15 am
Convention Center, North Building, 200 Level, Room 225A
Credits: 1.25 CME/CE
- 8:00 Introduction**
Cheryl K. Bernstein, RN BSN CCRC
- 8:05 Delivering A/I Care Using a Collaborative Model in the Community Setting**
Karen Robbins, MD FAAAAI
- 8:25 Delivering A/I Care Using a Collaborative Model in the Academic Setting**
Jodi A. Shroba, MSN APRN CPNP
- 8:45 Delivering A/I Care Using a Collaborative Model in the Research Setting**
Terri Gagen-Hursey, NP
- 9:05 Question & Answer**
Cheryl K. Bernstein, RN BSN CCRC

In-Person Workshop

- 1102 Allied Health: Finding the Zebra: Understanding How to Diagnose an Immune Disorder**
- 8:00 to 9:15 am
Convention Center, North Building, 200 Level, Room 226A
Credits: 1.25 CME/CE
- 8:00 Introduction**
M. Elizabeth M. Younger, CRNP PhD
- 8:05 Signs and Symptoms of Common PIDD**
Brenda L. Snyder, MSN RN CPNP
- 8:25 Common Laboratory Findings in PIDD**
Kristin Epland, NP
- 8:45 Treatment Options for PIDD**
Carla M. Duff, CPNP-PC APRN MSN CCR
- 9:05 Question & Answer**
M. Elizabeth M. Younger, CRNP PhD

In-Person Course

- 1110 Developing and Maintaining Excellence in Allergy/Immunology Fellowship**
8:00 to 12:00 pm
Hyatt, Second Floor, Phoenix Ballroom
Credits: 3.50 CME/CE
- 8:00 Breakfast**
- 8:25 Welcome**
Amy M. Dowden, MD FAAAAI
- 8:30 Virtual Fellowship Interviewing: Tip for Effective Interviews**
Javed Sheikh, MD FAAAAI
- 9:30 How to Conduct an Efficient New Fellow Orientation**
David I. Hong, MD FAAAAI
- 10:00 Coffee Break and Networking**
- 10:30 How to Set Up a Good Educational Curriculum for Fellows, Including the Use of Pre-Recorded and internet Materials**
Paul J. Dowling, MD FAAAAI
- 11:00 How to Guide Fellows on Board Preparation**
James M. Quinn, MD FAAAAI
- 11:30 How to Integrate Virtual/Telemedicine into the Clinical Activities for Fellows: Year 2 Post Pandemic**
Sofija Volertas, MD

In-Person Course

- 1201 2022 Difficult Cases**
9:00 am to 12:00 pm
Convention Center, North Building, 100 Level, Room 120A
Credits: 3.00 CME/CE
- 9:00 Introductions; Question & Answer**
Christina Kwong, MD FAAAAI
- 9:00 Contact Dermatitis**
*Instructors: Luz S. Fonacier, MD FAAAAI
Basil M. Kahwash, MD*
- 9:30 Immunodysregulatory Disorders**
*Instructors: Nicholas L. Hartog, MD FAAAAI
Mark Ballow, MD FAAAAI*
- 10:00 Drug Hypersensitivity**
*Instructors: Aleena Banerji, MD FAAAAI
Jason Khaw, MD*
- 10:30 Non-IgE Mediated Food Allergy**
*Instructors: Anna H. Nowak-Wegrzyn, MD PhD FAAAAI
Brooke I. Polk, MD FAAAAI*
- 11:00 Urticaria-Like Rashes**
*Instructors: Mary Beth Fasano, MD MSPH FAAAAI
Neelam A. Phadke, MD*
- 11:30 Anaphylaxis**
*Instructors: Melody C. Carter, MD FAAAAI
Ana Copacescu, MD*

Friday, February 25

Friday Scientific Program



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Friday, February 25

In-Person Course

- 1202 From Acute to Chronic, the Many Faces of Urticaria**
- 9:00 am to 12:00 pm
Convention Center, West Building, 300 Level, Room 301D
Credits: 3.00 CME/CE
- 9:00 Overview: Classifications and Mechanisms of Urticaria**
Allen P. Kaplan, MD FAAAAI
- 9:25 Acute Urticaria: Role of Infection in Urticaria and Angioedema**
Michael Rudenko, MD PhD FAAAAI
- 9:50 Urticaria in Pregnancy and Imposters (Other Rashes of Pregnancy)**
Emek Kocatürk Göncü, MD
- 10:15 Chronic Urticaria: Diagnosing Physical Urticaria**
Jonathan A. Bernstein, MD FAAAAI
- 10:40 Chronic Urticaria: Update on Treatment of Chronic Spontaneous Urticaria (CSU)**
Sarbjit S. Saini, MD FAAAAI
- 11:05 Building Partnerships with Patients, Explaining Non-Allergic Urticaria to Patients (Small Group Discussion)**
- 11:30 Question & Answer**
Douglas T. Johnston, DO

In-Person Course

- 1203 Lessons Learned from National Institutes of Health (NIH) Severe Asthma Networks on Evaluating and Managing Difficult to Control Asthma**
- 9:00 am to 12:00 pm
Convention Center, North Building, 100 Level, Room 120D
Credits: 3.00 CME/CE
- 9:00 Introduction**
James P. Kiley, PhD
- 9:10 Severe Asthma Phenotypes and Endotypes**
Wendy C. Moore, MD
- 9:35 Long-Term Follow-up of Adults and Children with Severe Asthma**
Mario Castro, MD MPH
- 10:00 Origins of Difficult to Control Asthma in Urban Environments**
James E. Gern, MD FAAAAI
- 10:25 Clinical and Physiologic/Immunologic Responses to Immune-Based Therapies in Urban Children with Exacerbation-Prone Asthma**
Daniel J. Jackson, MD FAAAAI
- 10:50 Precision Interventions for Severe and/or Exacerbation Prone Asthma Network (PrecISE): Adaptive Study Design and Implementation in Pandemic Times**
Loren C. Denlinger, MD PhD
- 11:15 Therapeutic Options and Selection/Response Biomarkers for Non-T2-Driven Asthma**
Elliot Israel, MD FAAAAI
- 11:50 Question & Answer**
Alikis Togias, MD FAAAAI

In-Person Course

- 1204 It All Matters: A Multi-Pronged Approach to Asthma Pathogenesis**
- 9:00 m to 12:00 pm
Convention Center, West Building, 300 Level, Room 301A
Credits: 3.00 CME/CE
- 9:00 Introduction**
Leah C. Kottyan, PhD
- 9:10 Multi-Omics Approaches in the Etiology of Asthma in Diverse Ancestries**
Kathleen C. Barnes, PhD FAAAAI
- 9:35 Environmental Risk Factors Contributing to Asthma: Lessons Learned from Birth Cohorts**
Rachel L. Miller, MD FAAAAI
- 10:00 Epigenetic Mechanisms Associated with Asthma**
John W. Holloway, PhD
- 10:25 T Cells in Asthma Pathogenesis**
Dawn C. Newcomb, PhD
- 10:50 The Impact of Obesity on Immune Function in Pediatric Asthma**
Sarah E. Henrickson, MD PhD
- 11:15 Environmental Influences on Child Health Outcomes (ECHO) Analysis of the Incidence of Exacerbation-Prone Asthma**
Christine C. Johnson
- 11:40 Question & Answer**
Leah C. Kottyan, PhD

In-Person Course

- 1205 Diagnostics in Allergy & Immunology: An Update**
- 9:00 am to 12:00 pm
Convention Center, North Building, 100 Level, Room 120B
Credits: 3.00 CME/CE
- 9:00 Introduction**
Corinne S. Happel, MD FAAAAI
- 9:10 Diagnostics in Food Allergy: An Update**
Corinne Keet, MD MS PhD
- 9:35 Diagnosing Severe Asthma with Updated American Thoracic Society (ATS) Guidelines**
Sally E. Wenzel, MD FAAAAI
- 10:00 In Vivo and Ex Vivo Diagnostic Tools in Diagnosing Immune-Mediated Adverse Drug Reactions**
Ana Copacescu, MD
- 10:25 The Latest Tools in Diagnosing Mast Cell Disorders**
Mariana C. Castells, MD PhD FAAAAI
- 10:50 Using Genetic Testing to Diagnose Primary Immunodeficiency: Basic Use and Pitfalls**
Kathleen E. Sullivan, MD PhD FAAAAI
- 11:40 Question & Answer**
Corinne S. Happel, MD FAAAAI

Friday Scientific Program



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In-Person Course

- 1206 The Clinical Utility of Pollen and Mold Counts in the Allergy Office**
9:00 am to 12:00 pm
Convention Center, North Building, 100 Level, Room 131A
Pre-registration and ticket required. Fee: \$20
Credits: 3.00 CME/CE
- 9:00 Introduction**
Leonard Bielory, MD FAAAAI
- 9:10 The Clinical Utility of Pollen and Mold Counts**
Jay M. Portnoy, MD FAAAAI
- 9:40 How Pollen Counts are Data Mined in an Academic Center**
Andrew C. Rorie, MD FAAAAI
- 10:10 Marketing and Social Media Analytics of Pollen Counts in the Allergy Clinic**
Steven Kagen, MD FAAAAI
- 10:40 Interactive Demonstration: How to Get the Pollen Counts, What to do with the Data, for Scholarly and Marketing of an Allergy Clinic**
*Instructors: Dan Dalan, MD FAAAAI
Estelle Levetin, PhD FAAAAI*
- 11:40 Question & Answer**
Leonard Bielory, MD FAAAAI

In-Person Course

- 1207 Ethnic and Racial Differences in Food Allergy**
9:00 am to 12:00 pm
Convention Center, West Building, 300 Level, Room 301C
Credits: 3.00 CME/CE
- 9:00 Introduction**
Amaziah Coleman, MD
- 9:10 Racial and Ethnic Disparities in Food Allergy in the USA**
Vivian Hernandez-Trujillo, MD FAAAAI
- 9:35 Racial and Ethnic Disparities in Food Allergy in Australia**
Mimi L. Tang, MD PhD FAAAAI
- 10:00 Racial and Ethnic Disparities in Diverse Populations with Food Allergy**
Andrea A. Pappalardo, MD FAAAAI
- 10:25 Surveys as a Method to Collect Data on Disparities in Food Allergy**
Christopher M. Warren, PhD
- 10:50 Deciphering the Genetics of Food Allergy**
Tesfaye B. Mersha, PhD
- 11:15 Putting the Biology and the Data Together**
Amal H. Assa'ad, MD FAAAAI
- 11:40 Question & Answer**
Amaziah Coleman, MD

In-Person Course

- 1208 Expanding Your Practice: Clinical, Administrative and Reimbursement Strategies for Success**
9:00 am to 12:00 pm
Convention Center, North Building, 100 Level, Room 121A
Credits: 3.00 CME/CE
- 9:00 Introduction**
Priya J. Bansal, MD FAAAAI
- 9:15 SCIT/SLIT**
Douglas H. Jones, MD FAAAAI
- 9:40 Oral Immunotherapy**
Christina E. Ciaccio, MD FAAAAI
- 9:55 Managing Biologics**
Weily Soong, MD FAAAAI
- 10:25 Remote Monitoring Devices and Apps**
William C. Anderson, MD FAAAAI
- 10:50 Reimbursement Strategies**
TBD
- 11:25 Administrative Work Flow**
TBD
- 11:40 Question & Answer**
Priya J. Bansal, MD FAAAAI

In-Person Course

- 1209 Engaging Your Learners at the Annual Meeting with Innovative Approaches**
9:00 am to 12:00 pm
Convention Center, North Building, 200 Level, Room 232A
Pre-registration and ticket required. Fee: \$20.
Credits: 3.00 CME/CE
- 9:00 Introduction and Adult Learning Principles**
Gerald B. Lee, MD FAAAAI
- 9:10 Audience Response Systems**
Gerald B. Lee, MD FAAAAI
- 9:35 Effective Visuals**
Punita Ponda, MD FAAAAI
- 10:00 Group Work**
Margaret Redmond, MD
- 10:25 Case-Based Learning**
Kristin Sokol, MD MS MPH FAAAAI
- 10:50 Skills Building and Hands-On Learning Session**
- 11:50 Question & Answer**
Gerald B. Lee, MD FAAAAI

Friday, February 25

Friday Scientific Program



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Friday, February 25

In-Person Course

- 1210** **Introductory Rhinolaryngoscopy Course with Hands-On Learning**
9:00 am to 12:00 pm
Convention Center, North Building, 200 Level, Room 231A
Pre-registration and ticket required. Fee: \$50
Credits: 3.00 CME/CE
- 9:00** **Introduction to Rhinolaryngoscopy**
Jerald W. Koepke, MD FAAAAI
- 10:00** **Hands-On Rhinoscopy Instruction**
*Instructors: David Elkayam, MD
Allen D. Adinoff, MD FAAAAI
Kevin R. Murphy, MD*

In-Person Course

- 1211** **Metabolic Regulation of Viral and Inflammatory Disease**
9:00 am to 12:00 pm
Convention Center, North Building, 200 Level, Room 221A
Credits: 3.00 CME/CE
- 9:00** **Introduction**
Stokes Peebles, MD FAAAAI
- 9:10** **A Metabolic Phenotype in Severe and Exacerbation Prone Asthma**
Michael C. Peters, MD
- 9:35** **A Scientific Guide To Immunometabolism: Metabolic Rewiring of the Epigenome and Proteome to Support Immunocyte Activation**
Jeffrey Rathmell, PhD
- 10:00** **Turning Down ILC2s with mTOR Inhibition**
Christoph Wilhelm, PhD
- 10:25** **Targeting In Vivo Metabolic Vulnerabilities of Th2 and Th17 Cells Reduces Airway Inflammation**
Dawn C. Newcomb, PhD
- 10:50** **Metabolic Regulation of NK Cell Function in CMV**
Megan A. Cooper, MD PhD
- 11:15** **Linking T2 Signaling To Epithelial Programs in Nasal Polyposis**
Nora A. Barrett, MD FAAAAI
- 11:40** **Question & Answer**
Stokes Peebles, MD FAAAAI

In-Person Course

- 1212** **How to Survive as an Academic Translational Scientist Pursuing Asthma/Allergy/Immunology Research in the Current Funding Environment**
9:00 am to 12:00 pm
Convention Center, North Building, 100 Level, Room 132A
Pre-registration and ticket required. Fee: \$20
Credits: 3.00 CME/CE
- 9:00** **Introduction**
Tanya M. Laidlaw, MD FAAAAI
- 9:10** **Panel Discussion: NIH Funding Opportunities and Strategies for Success**
*Panelists: Gang Dong, MD PhD
Alkis Togias, MD FAAAAI*
- 9:55** **Panel Discussion: Strategies to Write a Fundable NIH Grant**
*Panelists: Corinne Keet, MD MS PhD
Sarita U. Patil, MD FAAAAI
Marsha A. Wills-Karp, PhD*
- 10:55** **Break**
- 11:10** **Review of Submitted Grant Proposals**
*Panelists: Corinne Keet, MD MS PhD
Sarita U. Patil, MD FAAAAI
Marsha A. Wills-Karp, PhD*

In-Person Course

- 1213** **Allied Health: An Update on Allergic Conditions in 2021 for the Allied Health Provider**
9:00 to 12:00 pm
Convention Center, North Building, 200 Level, Room 227A
Credits: 3.00 CME/CE
- 9:00** **Introduction**
Maria Crain, RN MA CPNP
- 9:10** **Update on Asthma**
Pamela H. Steele, MSN CPNP AE-C
- 9:40** **Common Allergic Rashes and Their Treatment**
Karol Timmons, RN MS CPNP
- 10:10** **Updates and Review of Allergic Rhinitis Guidelines**
Jay M. Portnoy, MD FAAAAI
- 10:40** **Common Primary Immunodeficiency Disease (PID) and Management in the Age of a Pandemic**
M. Elizabeth M. Younger, CRNP PhD
- 11:10** **Updates in the Field of Food Allergy Research: What You Should Know**
J. Andrew Bird, MD FAAAAI
- 11:40** **Question & Answer**
Maria Crain, RN MA CPNP

Friday Scientific Program



American Academy of
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ANNUAL MEETING
PHOENIX, AZ · FEBRUARY 25–28, 2022

In-Person Workshop

- 1250 Allied Health: Difficult Cases: What to Do When Nothing Works**
9:30 to 10:45 am
Convention Center, North Building, 200 Level, Room 225A
Credits: 1.25 CME/CE
- 9:30 Introduction**
Elisa C. Thompson, NP
- 9:35 Management of Difficult to Treat Atopic Dermatitis**
Gregory Metz, MD FAAAAI
- 9:55 Type 2 Inflammation in Uncontrolled Persistent Asthma**
Catherine Kier, MD
- 10:15 The Mystery Case**
Marcia Rose Winston, MSN CPNP AE-C
- 10:35 Question & Answer**
Elisa C. Thompson, NP

In-Person Workshop

- 1251 Allied Health: The Impact of the Vaping Epidemic on Teens and Young Adults with Asthma**
9:30 to 10:45 am
Convention Center, North Building, 200 Level, Room 226A
Credits: 1.25 CME/CE
- 9:30 Introduction**
Jodi A. Shroba, MSN APRN CPNP
- 9:35 The Impact of the Vaping Epidemic on Teens and Young Adults with Asthma**
Mary E. Cataletto, MD
- 9:55 Social and Biologic Factors Influencing Vaping and Transition to Addiction**
Lisa B. Rosenberg, MEd MSW LCSW CSSW
- 10:15 Prevention and Control Strategies**
Pamela H. Steele, MSN CPNP AE-C
- 10:35 Question & Answer**
Jodi A. Shroba, MSN APRN CPNP

In-Person Seminar

- 1501 Practical Approach to Aspirin and Non-Steroidal Anti-Inflammatory Drugs (NSAIDs) Challenges and Desensitizations for Patients with Aspirin-Exacerbated Respiratory Disease (AERD) and Other NSAID Allergies**
12:30 to 1:30 pm
Sheraton, Second Level, Ahwatukee A
Pre-registration and ticket required. Fee: \$40
Credits: 1.00 CME/CE
Instructors: *Andrew White, MD FAAAAI*
Rebecca Saff, MD PhD FAAAAI

In-Person Seminar

- 1502 Update on the Guidelines for Work-Up and Management of Patients with 22q11.2 Syndrome**
12:30 to 1:30 pm
Sheraton, Second Level, Ahwatukee B
Pre-registration and ticket required. Fee: \$40
Credits: 1.00 CME/CE
Instructors: *Peter Mustillo, MD FAAAAI*
Nicholas L. Hartog, MD FAAAAI

In-Person Seminar

- 1503 The Best Possible Care for Children with Severe Asthma**
12:30 to 1:30 pm
Sheraton, Second Level, Laveen A
Pre-registration and ticket required. Fee: \$40
Credits: 1.00 CME/CE
Instructors: *Matthew A. Rank, MD FAAAAI*
Bridgette Jones, MD MS FAAAAI

In-Person Seminar

- 1504 Older Adults with Severe Asthma: Updates on Optimal Management**
12:30 to 1:30 pm
Sheraton, Second Level, Laveen B
Pre-registration and ticket required. Fee: \$40
Credits: 1.00 CME/CE
Instructors: *Alan P. Baptist, MD MPH FAAAAI*
Paula J. Busse, MD FAAAAI

In-Person Seminar

- 1505 The Role of the Practicing Allergist in the Management of Eosinophilic Esophagitis**
12:30 to 1:30 pm
Sheraton, Second Level, South Mountain
Pre-registration and ticket required. Fee: \$40
Credits: 1.00 CME/CE
Instructors: *Karen S. Hsu Blatman, MD FAAAAI*
Antonella Cianferoni, MD PhD FAAAAI

In-Person Seminar

- 1506 Food Allergen Advisory Labels: Avoid or Ignore?**
Yes
12:30 to 1:30 pm
Sheraton, Second Level, Estrella
Pre-registration and ticket required. Fee: \$40
Credits: 1.00 CME/CE
Instructors: *Aikaterini Anagnostou, MD MSc PhD FAAAAI*
Jacob D. Kattan, MD FAAAAI

Friday, February 25

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Friday, February 25

In-Person Seminar

- 1507 Insights into Obtaining Grants Offered by the AAAAI Grants Committee**

12:30 to 1:30 pm

Sheraton, Second Level, Maryvale A

Pre-registration and ticket required. Fee: \$40

Credits: 1.00 CME/CE

Instructors: *Mitchell H. Grayson, MD FAAAAI*
Seema S. Aceves, MD PhD FAAAAI

In-Person Seminar

- 1508 Biologics in Aspirin-Exacerbated Respiratory Disease (AERD)**

12:30 to 1:30 pm

Sheraton, Second Level, Maryvale B

Pre-registration and ticket required. Fee: \$40

Credits: 1.00 CME/CE

Instructors: *Tanya M. Laidlaw, MD FAAAAI*
Kathleen M. Buchheit, MD FAAAAI

In-Person Seminar

- 1510 Practical Issues of Managing a Patient with Allergic Skin Diseases on Biologics**

12:30 to 1:30 pm

Sheraton, Second Level, Paradise Valley

Pre-registration and ticket required. Fee: \$40

Credits: 1.00 CME/CE

Instructors: *Ellen R. Sher, MD FAAAAI*
Marc J. Serota, MD

In-Person Workshop

- 1521 The Journal of Allergy and Clinical Immunology (JACI): In Practice Year-in-Review Workshop**

12:45 to 2:00 pm

Convention Center, North Building, 100 Level, Room 120A

Credits: 1.25 CME/CE

12:45 Introduction

Michael Schatz, MD MS FAAAAI

12:50 Asthma

Robert S. Zeiger, MD PhD FAAAAI

1:10 Food Allergy and Anaphylaxis

Scott H. Sicherer, MD FAAAAI

1:30 Drug Allergy and Urticaria/Angioedema

David Khan, MD FAAAAI

1:50 Question & Answer

Michael Schatz, MD MS FAAAAI

In-Person Workshop

- 1522 Idiopathic Angioedema Without Urticaria: State of the Art Approach to Diagnosis and Management**

12:45 to 2:00 pm

Convention Center, West Building, 300 Level, Room 301A

Credits: 1.25 CME/CE

12:45 Introduction

William R. Lumry, MD FAAAAI

12:50 Case-Based Approach To Diagnosis

Douglas T. Johnston, DO

1:10 Novel Biomarkers in Angioedema

Marc A. Riedl, MD MS

1:30 Optimizing Patient Care When Diagnosis is Unclear

Aleena Banerji, MD FAAAAI

1:50 Question & Answer

William R. Lumry, MD FAAAAI

In-Person Workshop

- 1523 Proteomic and Lipidomic Approaches to Understanding Asthma**

12:45 to 2:00 pm

Convention Center, North Building, 100 Level, Room 120D

Credits: 1.25 CME/CE

12:45 Introduction

Jessica A. Lasky Su, MD

12:50 Primer on Proteomics and Lipidomics

Hanno Steen, PhD

1:10 Proteomic Studies of Asthma

Paul Skipp, BSc PhD

1:30 Metabolomic Studies of Asthma

Rachel S. Kelly, PhD

1:50 Questions & Answer

Jessica A. Lasky Su, MD

In-Person Workshop

- 1524 Genetic Testing 101**

12:45 to 2:00 pm

Convention Center, West Building, 300 Level, Room 301D

Credits: 1.25 CME/CE

12:45 Introduction

Kelli W. Williams, MD MPH FAAAAI

12:50 Genetic Testing 101

Instructors: *Roshini S. Abraham, PhD D(ABMLI) FAAAAI*

Manish Butte, MD PhD

Lisa R. Forbes Satter, MD FAAAAI

1:30 Facilitation of Group Discussion

Kelli W. Williams, MD MPH FAAAAI

Friday Scientific Program



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In-Person Workshop

- 1525 Local Gastrointestinal Mechanisms of Tolerance and Hypersensitivity**
12:45 to 2:00 pm
Convention Center, North Building, 100 Level, Room 121A
Credits: 1.25 CME/CE
- 12:45 Introduction**
Stephanie C. Eisenbarth, MD PhD
- 12:50 Early Life Antigen Exposure in the Development of Food Allergy**
Brian P. Vickery, MD FAAAAI
- 1:50 Question & Answer**
Stephanie C. Eisenbarth, MD PhD

In-Person Workshop

- 1526 How and Why to Engage Your Practice with the AAAAI Registry**
12:45 to 2:00 pm
Convention Center, North Building, 100 Level, Room 122A
Credits: 1.25 CME/CE
- 12:45 Introduction**
Frank S. Virant, MD FAAAAI
- 12:50 Using the AAAAI Registry in Your Practice**
Gary C. Steven, MD PhD FAAAAI
- 1:10 What's New and What's Next in the AAAAI Registry**
Nick L. Rider, DO FAAAAI
- 1:30 How the Shift to Value-Based Medicine Impacts Your Office, and How the AAAAI Registry Helps**
David M. Lang, MD FAAAAI
- 1:50 Question & Answer**
Frank S. Virant, MD FAAAAI

In-Person Workshop

- 1527 Negotiating Work-Life Integration**
12:45 to 2:00 pm
Convention Center, North Building, 200 Level, Room 229A
Credits: 1.25 CME/CE
- 12:45 Introduction**
Anil Nanda, MD FAAAAI
Jessica A. Lasky Su, MD
- 12:50 Negotiating Work-Life Integration**
Instructors: Theresa A. Bingemann, MD FAAAAI
Ewa H. Schafer, MD FAAAAI
Sakina S. Bajowala, MD FAAAAI
- 1:50 Facilitation of Reflection and Discussion**
Anil Nanda, MD FAAAAI

In-Person Workshop

- 1528 Food Allergy Quality of Life: Multiple Levels of Analysis for Better Understanding and Care**
12:45 to 2:00 pm
Convention Center, North Building, 100 Level, Room 120B
Credits: 1.25 CME/CE
- 12:45 Introduction**
Ruchi S. Gupta, MD MPH
- 12:50 Individual, Group and Community Information Gathering/Coping**
David Stukus, MD FAAAAI
- 1:05 Individual and Family**
Lisa Lombard, PhD
- 1:20 Community Wellness for Understanding and Care**
Ashley A. Dyer, MPH
- 1:35 Healthcare Service to Support Understanding and Care**
Sai R. Nimmagadda, MD FAAAAI
- 1:50 Question & Answer**
Ruchi S. Gupta, MD MPH

In-Person Workshop

- 1529 Nasal and Sinus Anatomical Abnormalities and Reading Sinus Computerized Tomography (CT) Scans: What an Allergist Should Know**
12:45 to 2:00 pm
Convention Center, North Building, 100 Level, Room 131A
Credits: 1.25 CME/CE
- 12:45 Introduction**
Mahboobeh Mahdavinia, MD PhD
- 12:50 Why Should Allergists Have Sound Knowledge of Nasal and Sinus Anatomy and Confidence to Review CT Scans of Sinuses**
Puneet Bajaj, MD
- 1:50 Question & Answer**
Mahboobeh Mahdavinia, MD PhD

In-Person Workshop

- 1530 Severe Asthma Exacerbations: Consequences and Prevention**
12:45 to 2:00 pm
Convention Center, West Building, 300 Level, Room 301C
Credits: 1.25 CME/CE
- 12:45 Introduction**
William W. Busse, MD FAAAAI
- 12:55 Severe Asthma Exacerbations: Physiologic Consequences Across the Lifespan**
William W. Busse, MD FAAAAI
- 1:10 Severe Asthma Exacerbations: Impact on Daily Lives of Patients and Families**
Cynthia S. Rand, PhD
- 1:30 Preventing Severe Asthma Exacerbations in Adults and Children**
Stanley J. Szefler, MD FAAAAI
- 1:50 Question & Answer**
William W. Busse, MD FAAAAI

Friday, February 25

Friday Scientific Program



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In-Person Workshop

- 1531 Allied Health: Subcutaneous Immunoglobulin (SC Ig): A Therapy in Evolution**
- 12:45 to 2:00 pm
Convention Center, North Building, 200 Level, Room 225A
Credits: 1.25 CME/CE
- 12:45 Introduction**
Christian Wysocki, MD, PhD
- 12:50 The Evolution of SC Ig**
Kristin Epland, NP
- 1:10 Optimizing SC Ig for Patients**
M. Elizabeth M. Younger, CRNP PhD
- 1:30 Innovation and Updates in SC Ig Therapy**
William R. Blouin, APRN
- 1:50 Question & Answer**
Christian Wysocki, MD, PhD

Friday, February 25

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In-Person Plenary

- 1601 Presidential Plenary: Digital Health and Remote Patient Monitoring for Patients with Difficult to Control Asthma**
- 2:15 to 3:45 pm
Convention Center, North Building, Lower Level, Hall 6
Credits: 1.50 CME/CE
- 2:15 Introduction**
Giselle Mosnaim, MD MS FAAAAI
- 2:20 The Potential Impact of Digital Health and Remote Patient Monitoring for Difficult to Control Asthma**
Andrew H. Liu, MD FAAAAI
- 2:45 Introduction**
Giselle Mosnaim, MD MS FAAAAI
- 2:50 Digital Health Challenges and Opportunities**
Ruth Tal-Singer, PhD
- 3:15 Introduction**
Giselle Mosnaim, MD MS FAAAAI
- 3:20 Remote Patient Monitoring Challenges and Opportunities**
Robin Deterding, MD

In-Person Symposium

- 1801 Practical Guidance for the Evaluation and Management of Drug Hypersensitivity**
- 4:00 to 5:15 pm
Convention Center, North Building, 100 Level, Room 120B
Credits: 1.25 CME/CE
- 4:00 Introduction**
Michael Schatz, MD MS FAAAAI
- 4:05 Expanding Scope of Practice: Drug Allergy, Telemedicine and the Critical Role of the Allergist**
Anna R. Wolfson, MD
- 4:25 Antibiotic Allergy: Utilizing Recent Guidance Resources on Drug Allergy**
David Khan, MD FAAAAI
- 4:45 Approach to Biologic and Chemotherapy Reactions: Utilizing Recent Guidance Resources on Drug Allergy**
Mariana C. Castells, MD PhD FAAAAI
- 5:05 Question & Answer**
Michael Schatz, MD MS FAAAAI

In-Person Symposium

- 1802 School Based Asthma Management and COVID-19: Addressing Health Disparities**
- 4:00 to 5:15 pm
Convention Center, West Building, 300 Level, Room 301A
Credits: 1.25 CME/CE
- 4:00 Introduction**
Barbara K. Ariue, MD FAAAAI
- 4:05 Risk Factors for Poor Outcomes in Children with COVID-19**
Tamara T. Perry, MD FAAAAI
- 4:25 Lessons Learned for School-Based Asthma Care During COVID-19**
Wanda Phipatanakul, MD MS FAAAAI
- 4:45 Impact of COVID on School-Based Asthma Programs in Communities of Color**
Michelle Trivedi, MD MPH
- 5:05 Question & Answer**
Barbara K. Ariue, MD FAAAAI

Friday Scientific Program



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In-Person Symposium

- 1803 Early Life Environmental Exposures Regulate Host Allergic Immune Responses: Lessons Learned from the Asthma and Allergic Diseases Cooperative Research Centers (AADCRCs) Birth Cohorts**
4:00 to 5:15 pm
Convention Center, North Building, 100 Level, Room 120A
Credits: 1.25 CME/CE
- 4:00 Early Life Environmental Exposures Regulate Host Allergic Immune Responses - Lessons Learned from the AADCRG Birth Cohorts**
Alkis Togias, MD FAAAAI
- 4:05 Effects of the Farming Environment on Immune Development and Childhood Respiratory Illnesses - Lessons from the WISC Study**
James E. Germ, MD FAAAAI
- 4:25 Identifying Asthma-Causing RSV Strains and Elucidating the Mechanisms of RSV- Mediated Asthma Development - Lessons Learned from the Inspire Cohort**
Tina V. Hartert, MD MPH
- 4:45 Traffic Related Air Pollution and Childhood Asthma: Lessons from the CCAAPS Birth Cohort**
Gurjot K. Khurana Hershey, MD PhD FAAAAI
- 5:05 Question & Answer**
Alkis Togias, MD FAAAAI

In-Person Symposium

- 1804 New Connections in Sensitization and Tolerance**
4:00 to 5:15 pm
Convention Center, North Building, 100 Level, Room 120D
Credits: 1.25 CME/CE
- 4:00 Introduction**
Amal H. Assa'ad, MD FAAAAI
- 4:25 Food Allergy and the Immune System**
Alexandra F. Santos, MD PhD
- 4:45 Food Allergy and the Mucosa**
Nicholas W Lukacs, PhD
- 5:05 Question & Answer**
Amal H. Assa'ad, MD FAAAAI

In-Person Symposium

- 1805 Innovative Digital Technologies for Asthma Management: Improving Patient Engagement and Care Delivery**
4:00 to 5:15 pm
Convention Center, North Building, Lower Level, Hall 6
Credits: 1.25 CME/CE
- 4:00 Introduction**
Thanai Pongdee, MD FAAAAI
- 4:05 The Role of Patient-Facing Mobile Health Technologies in Asthma Management**
Sunit P. Jariwala, MD
- 4:25 Remote Patient Monitoring to Improve Asthma Medication Adherence**
Giselle Mosnaim, MD MS FAAAAI
- 4:45 Artificial Intelligence-Based Risk Prediction in Asthma**
Paneez Khouri, MD FAAAAI
- 5:05 Question & Answer**
Thanai Pongdee, MD FAAAAI

In-Person Symposium

- 1806 Controversial Topics in Allergen Immunotherapy: Dose Adjustment Strategies after Gaps in Therapy, Severe Asthma, Waiting Times and Epinephrine Autoinjectors**
4:00 to 5:15 pm
Convention Center, West Building, 300 Level, Room 301C
Credits: 1.25 CME/CE
- 4:00 Introduction**
Christopher Calabria, MD FAAAAI
- 4:05 Lessons Learned from the COVID-19 Pandemic Regarding Gaps in Immunotherapy**
Punita Ponda, MD FAAAAI
- 4:25 Optimal Strategies to Minimize the Risk of Adverse Outcomes for Asthmatics on Immunotherapy**
David I. Bernstein, MD FAAAAI
- 4:45 Evidence-Based Strategies for Post-Injection Monitoring and Epinephrine Prescription for Patients on Immunotherapy**
Tolly Epstein, MD MS FAAAAI
- 5:05 Question & Answer**
Christopher Calabria, MD FAAAAI

In-Person Symposium

- 1807 Novel Discoveries in Mast Cell Biology**
4:00 to 5:15 pm
Convention Center, North Building, 200 Level, Room 221A
Credits: 1.25 CME/CE
- 4:00 Introduction**
Sarbjit S. Saini, MD FAAAAI
- 4:05 Mast Cells Protecting Against Bacterial Infection**
Hydar Ali, PhD
- 4:45 Interactions of Mast Cells and Sensory Neurons in Allergic Diseases of the Skin**
Daniel Kaplan, MD PhD
- 5:05 Question & Answer**
Sarbjit S. Saini, MD FAAAAI

In-Person Symposium

- 1808 Fungal Diseases of the Respiratory Tract: From Bench to Bedside**
4:00 to 5:15 pm
Convention Center, North Building, 200 Level, Room 222A
Credits: 1.25 CME/CE
- 4:00 Introduction**
Joshua M. Levy, MD MPH
- 4:05 Fungi-Host Interaction and Implications on Disease Prevention**
David B. Corry, MD
- 4:25 Allergic Fungal Rhinosinusitis (AFRS) and Allergic Bronchopulmonary Aspergillosis (ABPA): Pathogenesis and Distinctions for Chronic Rhinosinusitis with Nasal Polyps (CRSwNP) and Asthma**
Paul A. Greenberger, MD FAAAAI
- 4:45 Coccidiomycosis**
Steven M. Holland, MD
- 5:05 Question & Answer**
Joshua M. Levy, MD MPH

Friday, February 25

Friday Scientific Program



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Friday, February 25

In-Person Symposium

- 1810** **Allied Health Plenary: COVID-19 in 2022: Update for the Health Care Professional**

4:00 to 5:15 pm

Convention Center, North Building, 200 Level, Room 227A

Credits: 1.25 CME/CE

- 4:00** **Introduction**
TBD
- 4:05** **What Healthcare Professionals and Patients Need to Know About Post-Acute Sequelae of Covid-19 (PASC)**
Mitchell H. Grayson, MD FAAAAI
- 4:25** **COVID-19 Vaccines: Potential Allergic Reactions**
John Oppenheimer, MD FAAAAI
- 4:45** **COVID-19 and Asthma: Update of Management, Treatment and Racial and Ethnic Health Disparities**
Karen L. Gregory, DNP APRN-BC RRT AE-C
- 5:05** **Question & Answer**
TBD

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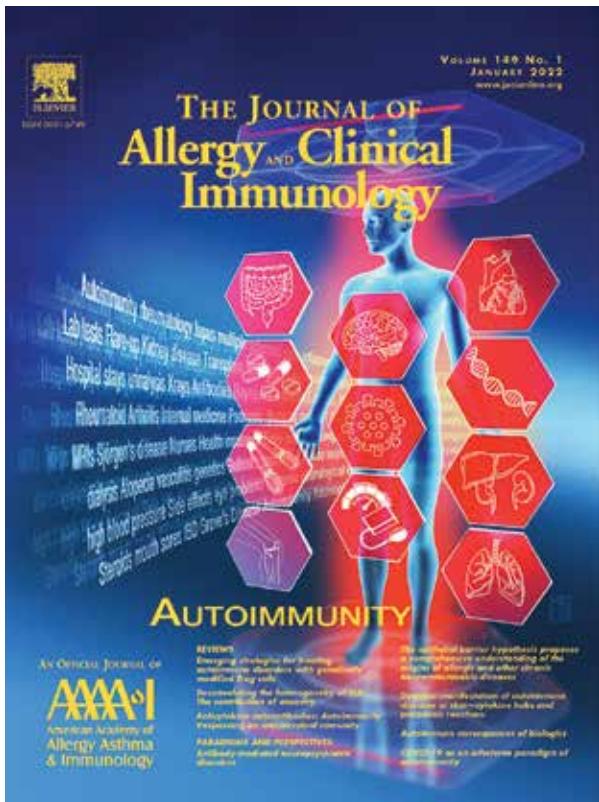
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July 26, 2022

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Saturday Scientific Program



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6:00 AM				
7:00 AM				
8:00 AM		Seminars (Sheraton) 7:00 - 8:00 am	Allied Health Workshops 6:45 - 8:00 am	Allied Health Seminar 7:00 - 8:00 am
9:00 AM		Plenary Session 8:15 - 9:45 am		
10:00 AM			Poster Presentations & Case Study Posters 9:45 - 10:45 am	
11:00 AM		Symposia 10:45 am - 12:00 pm		Allied Health Workshops 10:45 am - 12:00 pm
12:00 PM				COVID Featured Poster Session 12:00 - 1:00 pm
1:00 PM		Seminars (Sheraton) & 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
2:00 PM			Oral Abstracts 2:00 - 3:15 pm	
3:00 PM				
4:00 PM		Keynote Speaker 3:30 - 4:30 pm		
5:00 PM			Workshops 4:45 - 6:00 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

Saturday, February 26

Saturday Scientific Program



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In-Person Seminar

2001 Not All Anaphylaxis is the Same: Failure to Recognize Atypical Anaphylaxis Presentation Is Common

7:00 to 8:00 am

Sheraton, Second Level, Ahwatukee A

Pre-registration and ticket required. Fee: \$40

Credits: 1.00 CME/CE

Instructors: David I. Bernstein, MD FAAAAI/
Paul A. Greenberger, MD FAAAAI

In-Person Seminar

2002 Emerging and Existing Biomarkers in Asthma Diagnosis and Management

7:00 to 8:00 am

Sheraton, Second Level, Ahwatukee B

Pre-registration and ticket required. Fee: \$40

Credits: 1.00 CME/CE

Instructors: Andrew H. Liu, MD FAAAAI/
Juan Carlos Cardet, MD

In-Person Seminar

2004 Biologic Targeting of Aberrant Immunity in Inflammatory Disease

7:00 to 8:00 am

Sheraton, Second Level, Laveen B

Pre-registration and ticket required. Fee: \$40

Credits: 1.00 CME/CE

Instructors: Mildred Kwan, MD PhD FAAAAI/
Lisa R. Forbes Satter, MD FAAAAI

In-Person Seminar

2005 Diagnostics in Cannabis Allergy

7:00 to 8:00 am

Sheraton, Second Level, South Mountain

Pre-registration and ticket required. Fee: \$40

Credits: 1.00 CME/CE

Instructors: William S. Silvers, MD FAAAAI/
Dennis K. Ledford, MD FAAAAI

In-Person Seminar

2007 Using Electronic Medication Monitors to Help Manage Asthma in Your Clinic

7:00 to 8:00 am

Sheraton, Second Level, Maryvale A

Pre-registration and ticket required. Fee: \$40

Credits: 1.00 CME/CE

Instructors: William C. Anderson, MD FAAAAI/
Elizabeth Vann, RN

In-Person Seminar

2009 When Should Endoscopic Sinus Surgery Be Considered for Chronic Rhinosinusitis Patients?

7:00 to 8:00 am

Sheraton, Second Level, Camelback A

Pre-registration and ticket required. Fee: \$40

Credits: 1.00 CME/CE

Instructors: Kent Lam, MD/
Joseph K. Han, MD FAAAAI

In-Person Seminar

2010 Recent Advances in Animal Models of Allergic Disease

7:00 to 8:00 am

Sheraton, Second Level, Camelback B

Pre-registration and ticket required. Fee: \$40

Credits: 1.00 CME/CE

Instructors: Stokes Peebles, MD FAAAAI/
Magdalena Gorska, MD PhD FAAAAI

In-Person Seminar

2011 Complex Cases in Eosinophilia: Differential Diagnoses, Evaluation, and Management

7:00 to 8:00 am

Sheraton, Second Level, Alhambra

Pre-registration and ticket required. Fee: \$40

Credits: 1.00 CME/CE

Instructors: Thanai Pongdee, MD FAAAAI/
Sameer K. Mathur, MD PhD FAAAAI

In-Person Seminar

2012 Love at First Bite: Prevention of Food Allergy in Infants Through Early Introduction

7:00 to 8:00 am

Sheraton, Second Level, Paradise Valley

Pre-registration and ticket required. Fee: \$40

Credits: 1.00 CME/CE

Instructors: Jacob D. Kattan, MD FAAAAI/
Amanda L. Cox, MD FAAAAI

Saturday Scientific Program



American Academy of
Allergy Asthma & Immunology
ANNUAL MEETING
PHOENIX, AZ · FEBRUARY 25–28, 2022

In-Person Workshop

- 2021 Allied Health: Psychosocial Well-Being: Living with Food Allergies**
- 6:45 to 8:00 am
Convention Center, North Building, 200 Level, Room 225A
Credits: 1.25 CME/CE
- 6:45 Introduction**
Katherine Dahlsgaard, PhD
- 6:50 Psychosocial Well-Being: Living with Food Allergies**
Melissa T. Korenblat-Hanin, ACSW LCSW
- 7:20 Identify Ways to Recognize and Respond to Anxiety, Challenges and Stressors and Describe Resources That Enhance Quality of Life**
Tamara Hubbard, LPC
- 7:50 Question & Answer**
Katherine Dahlsgaard, PhD

In-Person Workshop

- 2022 Allied Health: Refractive Urticaria: When Antihistamines Don't Work**
- 6:45 to 8:00 am
Convention Center, North Building, 200 Level, Room 226A
Credits: 1.25 CME/CE
- 6:45 Introduction**
Karen S. Rance, DNP APRN CPNP AEC
- 6:50 Pathophysiology of Urticaria**
Jeffrey Chambliss, MD
- 7:10 Treatment Options and Step Therapy for Urticaria**
Karen S. Rance, DNP APRN CPNP AEC
- 7:30 Case Scenarios of Urticaria and Possible Therapies for Improvement**
Jeffrey Chambliss, MD
- 7:50 Question & Answer**
Karen S. Rance, DNP APRN CPNP AEC

In-Person Plenary

- 2101 Preparing for the Next Pandemic: From Mechanisms to Vaccines**
- 8:15 to 9:45 am
Convention Center, North Building, Lower Level, Hall 4
Credits: 1.50 CME/CE
- 8:15 Introduction**
Mitchell H. Grayson, MD FAAAAI
- 8:20 Preparing for the Next Pandemic: An Engineering Approach to Vaccinology**
Barney S. Graham, MD PhD
- 8:45 Introduction**
Mitchell H. Grayson, MD FAAAAI
- 8:50 Responding to Viruses Differently: Genetic and Autoimmune Type 1 Interferon Mechanisms**
Jean-Laurent Casanova, MD PhD
- 9:15 Introduction**
Mitchell H. Grayson, MD FAAAAI
- 9:20 Manipulating Antibody Effector Functions to Improve Vaccine Efficacy**
Duane R. Wesemann, MD PhD

Poster Session

- 9:45 to 10:45 am
Convention Center, North Building, Lower Level, Hall 4
Credits: 0.0 CME/CE
Please refer to the 2022 AAAAI Annual Meeting Mobile App or www.jacionline.org for abstract details.
- 001-010 Anaphylaxis and Venom Allergy**
011-032 Atopic Dermatitis
000-033 Integrative Medicine in Allergy
034-040 Asthma Pathogenesis and Inflammation
041-056 Asthma/Chronic Cough Therapy
057-083 The Spectrum of Primary and Secondary Immunodeficiency Disorders
084-089 Indoor and Outdoor Air Pollution-immunologic Sequelae
090-119 Food Immunotherapy and Early Intervention
120-139 Quality of Care, HealthCare Economics and Health Information Technology
140-144 Allergy Diagnostics
000-145 Allergies and Biologics
146-153 Aeroallergen Immunotherapy
154-166 Novel Mechanisms and Therapeutic Strategies in Type-2 Inflammatory Disease
CA01-CA42 Saturday Case Reports

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In-Person Symposium

2301 European Academy of Allergy and Clinical Immunology (EAACI): Immune Modulation for Asthma



10:45 am to 12:00 pm

Convention Center, West Building, 300 Level, Room 301C

Credits: 1.25 CME/CE

10:45 Introduction

Jurgen Schwarze, MD

10:50 Molecular Targets for Immune Modulation in Asthma

Ioana O. Agache, MD PhD

11:10 Biologicals for Severe Asthma – More Than Just Controller Medication?

Stefano Del Giacco, MD

11:30 Allergen Immunotherapy for Allergic Asthma

Marek M. Jutel, MD PhD

11:50 Question & Answer

Jurgen Schwarze, MD

In-Person Symposium

2302 Intersection of Genetics, Transcriptomics and Health Disparities in Severe Asthma

10:45 am to 12:00 pm

Convention Center, West Building, 300 Level, Room 301D

Credits: 1.25 CME/CE

10:45 Introduction

Bridgette Jones, MD MS FAAAAI

10:50 Health Disparities Drive Early Transcriptome Changes

William W. Busse, MD FAAAAI

11:10 Functional Genomics and Asthma in Minority Populations

Esteban G. Burchard, MD

11:30 Looking to the Future: Precision Medicine and Health Disparities

Juan C. Celedon, MD FAAAAI

11:50 Question & Answer

Bridgette Jones, MD MS FAAAAI

In-Person Symposium

2303 The Genetics of Primary Immunodeficiency Disorders

10:45 am to 12:00 pm

Convention Center, North Building, 100 Level, Room 120A

Credits: 1.25 CME/CE

10:45 Introduction

Jordan S. Orange

10:50 The Genetics of PIDDs in 2022

Ivan Chinn, MD

11:30 What To Do With Variants of Unknown Significance?

Roshini S. Abraham, PhD D(ABMLI) FAAAAI

11:50 Question & Answer

Jordan S. Orange

In-Person Symposium

2304 Novel Therapies in Food Allergy

10:45 am to 12:00 pm

Convention Center, North Building, Lower Level, Hall 4

Credits: 1.25 CME/CE

10:45 Introduction

Amal H. Assa'ad, MD FAAAAI

10:50 Microbiome Interventions in Food Allergy

Rima A. Rachid, MD FAAAAI

11:10 Biologics in Food Allergy Treatment

Cecilia Berin, PhD

11:30 Restoring Immune Tolerance in Food Allergy

Talal A. Chatila, MD MSc

11:50 Question & Answer

Amal H. Assa'ad, MD FAAAAI

In-Person Symposium

2305 Rethinking How We Manage Asthma and Allergic Diseases Post- Pandemic

10:45 am to 12:00 pm

Convention Center, North Building, 100 Level, Room 120B

Credits: 1.25 CME/CE

10:45 Introduction

Elisa M. Abrams, MD FRCPC

10:50 Remote Management of Asthma, Anaphylaxis and Allergic Diseases: Clinical Outcomes and Patient Satisfaction

Marcus S. Shaker, MD MS FAAAAI

11:10 Post-Pandemic Asthma and Allergy Management: Cost-Effectiveness and Long-Term Change

Matthew J. Greenhawt, MD MBA MSc FAAAAI

11:30 Post-Pandemic Asthma, Allergy and Immunology: Putting This All Together for the Sustainability of Our Practices

John Oppenheimer, MD FAAAAI

11:50 Question & Answer

Elisa M. Abrams, MD FRCPC

In-Person Symposium

2306 Racism, Not Race as a Root Cause of Health Disparities

10:45 am to 12:00 pm

Convention Center, North Building, 100 Level, Room 120D

Credits: 1.25 CME/CE

10:45 Introduction

Margee Louisias, MD MPH

10:50 Consequences of Housing Discrimination on the Neighborhood and Home Environment, Allergies, and Asthma

Elizabeth C. Matsui, MD MHS FAAAAI

11:10 Race-Based Spirometry Corrections and Impact on Brown and Black Patients with Asthma

Carla M. Davis, MD FAAAAI

11:30 Food Deserts and Availability of Safe and Healthy Foods for Food Allergic Patients in Low-Income Neighborhoods

Amaziah Coleman, MD

11:50 Question & Answer

Margee Louisias, MD MPH

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In-Person Symposium

2307 Allergen Immunotherapy (AIT): New Forms and New Data on Old Variants

10:45 am to 12:00 pm

Convention Center, West Building, 300 Level, Room 301A

Credits: 1.25 CME/CE

10:45 Introduction

Amber M. Patterson, MD FAAAAI

10:50 Intralymphatic Immunotherapy: Building Further On The Evidence

Hans J. Hoffmann, PhD

11:10 Passive AIT

Mohamed H. Shamji, BSc MSc PhD FAAAAI

11:30 Bacterial Vaccines and Adjuvants: New Data

Antonio Nieto, MD PhD

11:50 Question & Answer

Amber M. Patterson, MD FAAAAI

In-Person Workshop

2312 Allied Health: Psychosocial Dynamics with Asthma: Challenges, Vulnerabilities, and Supports

10:45 am to 12:00 pm

Convention Center, North Building, 200 Level, Room 225A

Credits: 1.25 CME/CE

10:45 Introduction

Jennifer M. Darr, MSW LCSW

10:50 Psychosocial Dynamics with Asthma: Challenges, Vulnerabilities and Supports

Melissa T. Korenblat-Hanin, ACSW LCSW

11:50 Question & Answer

Jennifer M. Darr, MSW LCSW

In-Person Workshop

2313 Allied Health: Practical Challenges of Eating Potential Food Allergens: Important Nuggets to Chew on

10:45 am to 12:00 pm

Convention Center, North Building, 200 Level, Room 226A

Credits: 1.25 CME/CE

10:45 Introduction

Marion E. Groetch, MS RDN

10:50 Eating Potential Allergens: Important Nuggets to Chew on - Updates in Early Introduction of Foods

Brian C. Schroer, MD FAAAAI

11:10 Half-Baked Considerations and Practical Questions for Eating Food Allergens

Wendy Elverson, RD LDN

11:30 Going Nuts Over Eating Nuts

Douglas P. Mack, MD

11:50 Question & Answer

Marion E. Groetch, MS RDN

COVID Featured Poster Session

12:00 to 1:00 pm

Convention Center, North Building, 100 Level, 120 Concourse

Credits: 0.0 CME/CE

Please refer to the 2022 AAAAI Annual Meeting Mobile App or www.jacionline.org for abstract details.

167-178 COVID Featured Posters

In-Person Course

2405 Career Paths in Allergy and Immunology

12:00 to 1:45 pm

Convention Center, North Building, 200 Level, Room 231A

Credits: 1.75 CME/CE

12:00 Lunch

12:15 Welcome

Rebecca Scherzer, MD FAAAAI

12:25 Academia: Clinical and Q&A

Princess U. Ogbogu, MD FAAAAI

12:30 Academia: Research and Q&A

Nora A. Barrett, MD FAAAAI

12:35 Industry and Q&A

Todd David Green, MD FAAAAI

12:40 Government and Q&A

Kelly D. Stone, MD PhD FAAAAI

Melody C. Carter, MD FAAAAI

12:45 Private Practice and Q&A

Adina Kay Knight, MD FAAAAI

12:50 Break-Out Q&A Session

Academia Clinical

Princess U. Ogbogu, MD FAAAAI and Amy M. Scurlock, MD FAAAAI

Academia Research

Nora A. Barrett, MD FAAAAI and Mitchell H. Grayson, MD FAAAAI

Industry

Dorothy S. Cheung, MD FAAAAI and Todd David Green, MD FAAAAI

Government

Melody C. Carter, MD FAAAAI and Kelly D. Stone, MD FAAAAI

Private Practice

Adina Kay Knight, MD FAAAAI and TBD

Summary

Rebecca Scherzer, MD FAAAAI

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In-Person Oral Abstract Session

- 2411** **Allied Health Professional Assembly Business Meeting and Oral Abstract Session**
12:15 to 1:45 pm
Convention Center, North Building, 200 Level, Room 227A
Credits: 1.50 CME/CE
*Moderators: Maria Crain, RN MA CPNP
J. Andrew Bird, MD FAAAAI*
- 12:15** **Business Meeting**
- 12:35** **Allergy to Shellfish: A Different Clinical Presentation Depending on the Sensitization Group**
Elena Mederos Luis
- 12:45** **Pitfalls and Progress: Overcoming Dispensing Challenges of Palforzia in an Academic Institution**
Kiela M. Samuels, PharmD
- 12:55** **Electronic Consultations to Improve Access to Allergy Specialty in a Tertiary Healthcare Setting**
Immaculada Sanchez-Machin, Sr., MD PhD
- 1:05** **Reintroduction of Food After a Negative Oral Food Challenge**
Jodi A. Shroba, MSN APRN CPNP
- 1:15** **The vDOT-EMDCHA Study**
Kasturi R. Sarkar
- 1:25** **Early Age Peanut Oral Immunotherapy**
Karen L. Braden, CPNP RN MS

In-Person Seminar

- 2501** **Psychosocial Impact of Primary Immunodeficiency Disorders (PID) in Children: Implications for Treatment**
TICKET \$
12:30 to 1:30 pm
Sheraton, Second Level, Ahwatukee A
Pre-registration and ticket required. Fee: \$40
Credits: 1.00 CME/CE
*Instructors: Linda Herbert, PhD
Vanessa L. Bundy, MD PhD*

In-Person Seminar

- 2502** **The Use of Integrative Medicine in the Treatment of Severe Asthma: A Problem-Based Learning (PBL) Case**
TICKET \$
12:30 to 1:30 pm
Sheraton, Second Level, Ahwatukee B
Pre-registration and ticket required. Fee: \$40
Credits: 1.00 CME/CE
*Instructors: Payel Gupta, MD
Dipa K. Sheth, MD FAAAAI*

In-Person Seminar

- 2503** **The Latest and Greatest 2019 Update to the American Thoracic Society (ATS)/European Respiratory Society (ERS) Standardization of Spirometry**
TICKET \$
12:30 to 1:30 pm
Sheraton, Second Level, Laveen A
Pre-registration and ticket required. Fee: \$40
Credits: 1.00 CME/CE
*Instructors: James M. Quinn, MD FAAAAI
Karla E. Adams, MD*

In-Person Seminar

- 2504** **Management of Pediatric Asthma Exacerbations: From Clinic to Emergency Department (ED) and Beyond**
TICKET \$
12:30 to 1:30 pm
Sheraton, Second Level, Laveen B
Pre-registration and ticket required. Fee: \$40
Credits: 1.00 CME/CE
Instructors: Nidhya Navanandan, MD

In-Person Seminar

- 2505** **Recurrent Fever in the Pediatric Patient**
TICKET \$
12:30 to 1:30 pm
Sheraton, Second Level, South Mountain
Pre-registration and ticket required. Fee: \$40
Credits: 1.00 CME/CE
*Instructors: Morna J. Dorsey, MD MMSc FAAAAI
Eveline Y. Wu, MD MSCR*

In-Person Seminar

- 2506** **Single Cell RNAseq: Finding the Needle in the Haystack**
TICKET \$
12:30 to 1:30 pm
Sheraton, Second Level, Estrella
Pre-registration and ticket required. Fee: \$40
Credits: 1.00 CME/CE
*Instructors: Gregory Seumois, PhD
Erik R. Wambre, PhD MBE*

In-Person Seminar

- 2509** **What Have We Learned from Human Eosinophil “Knockouts”?**
TICKET \$
12:30 to 1:30 pm
Sheraton, Second Level, Camelback A
Pre-registration and ticket required. Fee: \$40
Credits: 1.00 CME/CE
*Instructors: Praveen Akuthota, MD
Anna Kovalszki, MD*

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In-Person Seminar

- 2510 Before You Call it Mast Cell Activation Syndrome (MCAS): Crucial Steps in Making the Right Diagnosis**

TICKET S

12:30 to 1:30 pm

Sheraton, Second Level, Camelback B

Pre-registration and ticket required. Fee: \$40

Credits: 1.00 CME/CE

Instructors: Anne L. Maitland, MD PhD
Mariana C. Castells, MD PhD FAAAAI

In-Person Seminar

- 2511 COVID-19 Associated Pulmonary Aspergillosis**

TICKET S

12:30 to 1:30 pm

Sheraton, Second Level, Alhambra

Pre-registration and ticket required. Fee: \$40

Credits: 1.00 CME/CE

Instructors: Paul E. Verweij, MD PhD

In-Person Seminar

- 2512 Successful Approaches to Eosinophilic Esophagitis (EoE): Long-Term Management Dilemmas**

TICKET S

12:30 to 1:30 pm

Sheraton, Second Level, Paradise Valley

Pre-registration and ticket required. Fee: \$40

Credits: 1.00 CME/CE

Instructors: Fred Dan Atkins, MD FAAAAI
Emily C. McGowan, MD PhD FAAAAI

In-Person Symposium

- 2521 National Institute of Allergy and Infectious Diseases (NIAID): New Insights into the Immunoregulation of Atopic Dermatitis**

LIVE V

12:30 to 1:45 pm

Convention Center, North Building, 100 Level, Room 120A

Credits: 1.25 CME/CE

- 12:30 Introduction**

Amanda K. Rudman-Spergel, MD

- 12:35 Novel Regulators of Filaggrin Expression: Insights from the MPAACH Cohort**

Gurjit K. Khurana Hershey, MD PhD FAAAAI

- 12:55 The Effect of IL4Ra Blockade on the Host-microbe Interface in Atopic Dermatitis**

Lisa A. Beck, MD FAAAAI

- 1:15 The Skin Microbiome and Targeted Bacteriotherapy in Atopic Dermatitis**

Tissa R. Hata, MD

- 1:35 Question & Answer**

Amanda K. Rudman Spergel, MD

In-Person Symposium

- 2522 National Institute of Environmental Health Sciences (NIEHS): Molecular Characterization of Allergens and Specific IgE Antibodies**

LIVE V

12:30 to 1:45 pm

Convention Center, North Building, 100 Level, Room 120D

Credits: 1.25 CME/CE

- 12:30 Introduction**

Darryl C. Zeldin, MD

- 12:35 Are There Common Properties of Allergens?**

Geoffrey A. Mueller, PhD

- 12:55 Human Monoclonal IgE Antibodies to Allergens**

Anna Pomes, PhD FAAAAI

- 1:15 Structural Characteristics of Protective Antibodies**

Sarita U. Patil, MD FAAAAI

- 1:35 Question & Answer**

Darryl C. Zeldin, MD

In-Person Debate

- 2551 Evidence Indicates That Patients Taking Beta Blockers Are at Increased Risk for More Serious Anaphylaxis**

V

12:30 to 1:30 pm

Convention Center, West Building, 300 Level, Room 301A

Credits: 1.00 CME/CE

- 12:30 Introduction and Question & Answer**

John Oppenheimer, MD FAAAAI

- 12:35 Beta Blockers Increase the Risk of Serious Anaphylaxis**

David M. Lang, MD FAAAAI

- 1:00 Beta Blockers Do Not Increase the Risk of Serious Anaphylaxis**

Paul A. Greenberger, MD FAAAAI

In-Person Debate

- 2552 Genetic Testing for All: Putting the Cart Before the Horse?**

V

12:30 to 1:30 pm

Convention Center, West Building, 300 Level, Room 301C

Credits: 1.00 CME/CE

- 12:30 Introduction and Question & Answer**

Sergio Rosenzweig, MD

- 12:35 Functional Testing First**

Jennifer Heimall, MD FAAAAI

- 1:00 Geriatric Testing for All**

Ivan Chinn, MD

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In-Person Debate

2553 Patients with Severe Asthma Should Be Permitted to Receive Allergen Immunotherapy ▼

12:30 to 1:30 pm

Convention Center, West Building, 300 Level, Room 301D

Credits: 1.00 CME/CE

12:30 Introduction and Question & Answer

Christopher Calabria, MD FAAAAI

12:30 Allergen Immunotherapy Can Safely Be Prescribed for Well-Controlled Severe Asthmatics

Tolly Epstein, MD MS FAAAAI

1:00 Allergen Immunotherapy Should Not Be Prescribed for Severe Asthmatics

Mike Tankersley, MD MBA FAAAAI

In-Person Interesting Case Workshop

2557 Interesting Case Workshop

12:30 to 1:45 pm

Convention Center, North Building, 100 Level, Room 121A

Credits: 1.25 CME/CE

Moderator: Canting Guo, MD

12:35 A Novel Homozygous Frameshift Mutation in FERMT3 Leads to Leukocyte Adhesion Deficiency Type 3

Nouf Alsaati, MBBS MMSc

12:45 Canakinumab-Associated COVID-19 Recovery and Resolving Inflammatory Bowel-Lung-Skin Disease in XL-CGD

Natalia S. Fernandez Davila, MD

12:55 An Atypical Case of Heiner Syndrome

Brian Goodman, MD

1:05 Complement Factor I Deficiency Causing Fulminant Inflammatory Meningoencephalitis

Whitney Reid, MD

1:15 Imatinib Use in Severe Bullous Cutaneous Mastocytosis Complicated by Recurrent Anaphylaxis

Ban Wang, MD

In-Person Oral Abstract Session

2601 What's New in Drug Allergy LIVE

2:00 to 3:15 pm

Convention Center, North Building, 100 Level, Room 120A

Credits: 1.25 CME/CE

Moderators: Miguel A. Park, MD

Anna R. Wolfson, MD

2:05 Screening for Drug-Dependent Antibodies to Prevent Complications in Patients Receiving Oxaliplatin Desensitization

George X. Huang, MD

2:15 FCERIA Single Nucleotide Polymorphisms Associated with Nonsteroidal Anti-Inflammatory Drug-Induced Acute Urticaria/Angioedema

Raquel Jurado-Escobar

2:25 Outcomes of Penicillin Allergy Testing in Children with High-Risk Reaction Histories

Susan S. Xie, MD

2:35 Stevens-Johnson Syndrome and Toxic Epidermal Necrolysis in the FDA Adverse Event Reporting System (FAERS) from 1995–2020

Matthew S. Krantz, MD

2:45 Obstetric Penicillin Allergy Evaluations

*Lakshmi G. Nair, MD
Allergy Asthma & Immunology*

In-Person Oral Abstract Session

2602 Biologic Therapy in Asthma

2:00 to 3:15 pm

Convention Center, North Building, 100 Level, Room 120B

Credits: 1.25 CME/CE

Moderators: Alan P. Baptist, MD MPH FAAAAI

Sharmilee Nyenhuis, MD FAAAAI

2:05 Tezepelumab Reduces Exacerbations Across All Seasons in Patients with Severe, Uncontrolled Asthma: Results from the Phase 3 NAVIGATOR Study

Flavia C. Hoyte, MD

2:15 Long-Term Efficacy of Dupilumab in Patients With Asthma With and Without Comorbid Chronic Rhinosinusitis/Nasal Polyposis

Andrew Menzies-Gow, MD

2:25 Efficacy of Dupilumab in the Prevention of Seasonal Exacerbations in Patients With and Without Evidence of an Allergic Asthma Phenotype

Anju T. Peters, MD MSCI FAAAAI

2:35 Post-hoc Analyses of Lebrikizumab Phase 3 Trials (LAVOLTA I and II): Enhanced Efficacy in Patients With Prior Exacerbations and Elevated Baseline FENO or Blood Eosinophilia

Ellen R. Sher, MD FAAAAI

2:45 Omalizumab Improves Outcomes in Patients with Nasal Polyps Regardless of Their Asthma Status

Philippe Gevaert, MD

In-Person Oral Abstract Session

2603 Caring for Patients with Immunodeficiency Disorders During the COVID 19 Pandemic

2:00 to 3:15 pm

Convention Center, West Building, 300 Level, Room 301C

Credits: 1.25 CME/CE

Moderators: Benjamin T. Prince, MD MCSI FAAAAI

Ivan Chinn, MD

2:05 Patients with Primary Antibody Deficiency Syndromes Show Attenuated Neutralizing Activity of SARS-CoV-2 Following COVID-19 Vaccination

Alexa Doss, MD

2:15 SARS-CoV-2 Antibody Profile of Immune Globulin Preparations

Hyun J. Park, MD PhD

2:25 COVID Antibody Production Following Vaccination in Immunocompromised Subjects- A Quality Improvement Project

Sara M. Ghannam, MD

2:35 Interleukin-2: An Accurate Biomarker for Rapid Testing of SARS-CoV-2 Vaccine-induced T cell Immune Responses in Whole Blood

Maria A. Oliver

2:45 T Cell Responses to SARS-CoV-2 Vaccination and Infection in Antibody Deficiency Diseases

Alex Wonnapharhown, MD

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In-Person Oral Abstract Session

2604 The Intersection of the Environment and the Airways

2:00 to 3:15 pm

Convention Center, North Building, 100 Level, Room 121A

Credits: 1.25 CME/CE

Moderators: Elizabeth C. Matani, MD MHS FAAAAI
Perolita Permaul, MD FAAAAI

2:05 Development of a Mobile Naturalistic Exposure Chamber for Cat Dander

Stefan M. Van de Mosselaer, BASc

2:15 Coding For Indoor Environmental Exposures In Pediatric Patients With Respiratory Allergies: A Quality Improvement Project

Safia F. Nawaz, MD

2:25 A Real-World Digital Study Evaluating Associations Between Levels of Allergens and Air Pollutants and Severity and Frequency of Symptoms of Allergic Rhinitis (the DSApp Study)

David B. Peden, MD MS FAAAAI

2:35 Seasonal Effect of Radon Exposure on Fractional Exhaled Nitric Oxide

Tina M. Banzon, MD

2:45 Healthy Human 3D Lung Organoids Respond Differentially To Environmental Exposures

Rohit Guarav, PhD FAAAAI

In-Person Oral Abstract Session

2605 On Eosinophilic Esophagitis Inflammation and Clinical Markers and Risk Factors LIVE!

2:00 to 3:15 pm

Convention Center, North Building, 100 Level, Room 120D

Credits: 1.25 CME/CE

Moderators: Melanie A. Ruffner, MD PhD
Antonella Cianferoni, MD PhD FAAAAI

2:05 A Connection Found Between Mast Cells and Pain in Eosinophilic Esophagitis

Simin Zhang, MD

2:15 Do Mast Cells Reduce Response to Proton Pump Inhibitors in Pediatric Eosinophilic Esophagitis?

Paroma Bose, MD

2:25 Perinatal Factors Increase Risk of Eosinophilic Esophagitis – A Nationwide Case-Control Study

Gencer Kurt, MD

2:35 Dysphagia Days as a Clinical Marker of EoE Treatment Response in Steroid-Refractory Patients

Ikuro Hirano, MD

2:45 The Minimally Invasive 1-Hr Esophageal String Test (EST) Monitors Changes in Mucosal Inflammation in Pediatric and Adult Eosinophilic Esophagitis Patients During Treatment

Steven J. Ackerman, PhD

In-Person Oral Abstract Session

2606 Implementing Guidelines and Promoting Quality Care for Drug Allergy Assesment

2:00 to 3:15 pm

Convention Center, North Building, 100 Level, Room 122A

Credits: 1.25 CME/CE

Moderator: Qura Tul Ain, MD FAAAAI

2:00 Implementing a Hospital-Wide Inpatient Beta-Lactam Allergy Guideline Leads to Consistent Increases in Beta-Lactam Use

Iris M. Otani, MD FAAAAI

2:15 Reducing Penicillin Allergy Relabel Rate with Targeted Interventions in the Inpatient and Outpatient Settings

Jordana F. Brown

2:30 Outcomes of Infants Born to Group B Streptococcus-Positive Mothers with a Reported Penicillin Allergy

Laura A. Wang, MD

2:45 A Qualitative Analysis of Antibiotic Allergy Assessment by Pharmacy and Antimicrobial Stewardship Team Members at a Veterans Hospital

Sujani S. Kakumanu, MD

3:00 Characterization of Pediatric Inpatient Penicillin Allergy Documentation and Evaluation

Allison D. Kelly, DO

In-Person Oral Abstract Session

2607 Rhinitis, Allergens and Immunotherapy

2:00 to 3:15 pm

Convention Center, West Building, 300 Level, Room 301A

Credits: 1.25 CME/CE

Moderator: Amber M. Patterson, MD FAAAAI

2:05 Novel Machine Learning-Led Discovery of Adjuvant Drug Candidate for Allergen Immunotherapy Using Synthetic Toll-Like Receptor 2/6 Agonist

Lily YD. Wu

2:15 Epidemiology of Fungal Allergen Sensitization Across the United States of America

Matthew C. Robinson

2:25 Induction of Allergen-Neutralizing IgG4 and IgA Blocking Antibodies Following Subcutaneous Immunotherapy with Mannan-Conjugated Birch Pollen Allergoid

Alistair S. Devine

2:35 Associations between Early Life Environmental Exposures and Rhinitis Trajectories in an Urban Birth Cohort

Sima K. Ramrathnam, MD MPH

2:45 Surface Expression of Major Allergens on Plant-Made eBioparticle Combines Hypo-Allergenicity with Potent Immune Activation

Stefanie Busold, PhD Student

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- 2608 Mast Cells and Eosinophils: Heterogeneity, Mechanisms and Therapeutic Approaches**
2:00 to 3:15 pm
Convention Center, North Building, 200 Level, Room 221A
Credits: 1.25 CME/CE
Moderator: Roma Schmi, PhD FAAAAI
- 2:05 Insights into the Heterogeneity of Constitutive and Inducible Mast Cells in Inflammation and Homeostasis**
Tamara Salloum, PhD
- 2:15 Design and Optimization of ROS-Reactive Nanocarriers for Controlled Release of Dexamethasone and Real-Time Inhibition of Mast Cell Activation**
Marianna Kulka, PhD
- 2:25 Type 2 and Type 1 Mouse and Human Eosinophils**
Christopher D. Nazaroff, PhD
- 2:35 IRF1 is a Major Regulatory Transcription Factor for Type 2 and Type 1 Immune Responses in Eosinophils**
Alissa Lynch
- 2:45 Esophageal Mast cells in Eosinophilic Esophagitis Are Heterogeneous, Dynamically Activated and Locally Proliferate**
Netali Ben-Baruch Morgenstern, PhD

In-Person Oral Abstract Session

- 2611 Late Breaking Oral Abstract #1**
2:00 to 3:15 pm
Convention Center, North Building, 200 Level, Room 225A
Credits: 1.25 CME/CE
Moderators: TBD
- 2:05 Dupilumab Significantly Reduces Itch and Hives in Patients with Chronic Spontaneous Urticaria: Results From a Phase 3 Trial (LIBERTY-CSU CUPID Study A)**
Marcus Maurer, MD
- 2:15 Dupilumab Improves Clinical and Histologic Aspects of Disease in Adult and Adolescent Patients With Eosinophilic Esophagitis at Week 24: Results from Part B of the 3-Part LIBERTY EoE TREAT Study**
Marc E. Rothenberg, MD PhD FAAAAI
- 2:25 Successfully Reducing Severe Asthma Exacerbations and Improving Asthma Control in a Pragmatic Study in African American/Black (AA/B) and Hispanic/Latinx (H/L) Patients with Moderate-Severe Asthma (PREPARE)**
Juan Carlos Cardet, MD
- 2:35 Anaphylaxis After COVID-19 Vaccination: A Registry-Based Study**
Jordan Jagger, MD
- 2:45 Urticaria and/or Angioedema Events Secondary to mRNA COVID-19 Vaccinations - Updates from a National Case Registry**
Sara Anvari, MD MSc

In-Person Keynote

- 2701 The Importance of Diversity in Academia and Team Performance** LIVE V
3:30 to 4:30 pm
Convention Center, North Building, Lower Level, Hall 4
Credits: 1.00 CME/CE
3:30 Introduction
Giselle Mosnaim, MD MS FAAAAI
- 3:35 The Importance of Diversity in Academia and Team Performance**
Hannah Valentine MD

In-Person Workshop

- 2801 Hot Topics in Pediatric Allergy and Immunology** V
4:45 to 6:00 pm
Convention Center, North Building, 100 Level, Room 120B
Credits: 1.25 CME/CE
4:45 Introduction
Paul V. Williams, MD FAAAAI
- 4:50 Hot Topics in Pediatric Food Allergy**
Harvey Leo, MD FAAAAI
- 5:10 Hot Topics in Pediatric Primary Immunodeficiency**
Vivian Hernandez-Trujillo, MD FAAAAI
- 5:30 Hot Topics in Pediatric Asthma**
Elizabeth C. Matsui, MD MHS FAAAAI
- 5:50 Question & Answer**
Paul V. Williams, MD FAAAAI

In-Person Workshop

- 2802 The Journal of Allergy and Clinical Immunology (JACI) Year-in-Review Workshop** LIVE V
4:45 to 6:00 pm
Convention Center, North Building, 100 Level, Room 120A
Credits: 1.25 CME/CE
4:45 JACI Year-in-Review: Overview
Zuhair K. Ballas, MD FAAAAI
- 4:50 Chronic Rhinosinusitis**
Tanya M. Laidlaw, MD FAAAAI
- 5:10 Pollution and Allergy/Immunology**
David B. Peden, MD MS AAAAI
- 5:30 Immune Dysregulation**
Richard Looney, MD FAAAAI
- 5:50 Question & Answer**
Zuhair K. Ballas, MD FAAAAI

Saturday Scientific Program



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In-Person Workshop

- 2803 Embracing the Continuous Assessment Program (CAP) Together as a Team: Diplomates, ABAI and AAAAI**
4:45 to 6:00 pm
Convention Center, North Building, 100 Level, Room 121A
Credits: 1.25 CME/CE
- 4:45 Introduction**
Theodore M. Freeman, MD FAAAAI
- 4:50 CAP Program Updates**
Wanda Phipatanakul, MD MS FAAAAI
- 5:10 Understanding CAP's Five Year Cycle Scoring**
Michael R. Nelson, MD PhD FAAAAI
- 5:30 Tracking Your CAP Progress**
Giselle Mosnaim, MD MS FAAAAI
- 5:50 Question & Answer**
Theodore M. Freeman, MD FAAAAI

In-Person Workshop

- 2804 Developing a Chemotherapy and Biologics Desensitization Program**
4:45 to 6:00 pm
Convention Center, West Building, 300 Level, Room 301A
Credits: 1.25 CME/CE
- 4:45 Introduction**
Autumn C. Guyer, MD FAAAAI
- 4:50 Developing a Chemotherapy and Biologics Desensitization Program**
Panelists: *Aleena Banerji, MD FAAAAI*
David I. Hong, MD FAAAAI
- 5:50 Question & Answer**
Autumn C. Guyer, MD FAAAAI

In-Person Workshop

- 2805 Problem Based Learning (PBL) Case: An Adult with Severe Uncontrolled Asthma or Is It Asthma/Chronic Obstructive Pulmonary Disease (COPD) Overlap (ACO)?**
4:45 to 6:00 pm
Convention Center, North Building, 200 Level, Room 232A
Credits: 1.25 CME/CE
- 4:45 PBL Case Presentation**
Ray S. Davis, MD FAAAAI
- 5:25 Differential Diagnosis of Severe Uncontrolled Asthma vs ACD**
Monica Kraft, MD FAAAAI
- 5:40 Update of the GOLD Guidelines and Their Application to ACO**
Monica Kraft, MD FAAAAI
- 5:55 Question & Answer**
Don A. Bukstein, MD FAAAAI

In-Person Workshop

- 2806 Team Trivia: Learning About Janus Tyrosine Kinase (JAK)-Signal Transducer and Activator of Transcription (STAT) Pathways and JAK Inhibitors**
4:45 to 6:00 pm
Convention Center, North Building, 200 Level, Room 231A
Credits: 1.25 CME/CE
- 4:45 Adverse Effects of JAKinib Therapy**
Mildred Kwan, MD PhD FAAAAI
- 4:50 JAK-STAT Pathways and Use in Inflammatory Conditions**
Lisa R. Forbes Satter, MD FAAAAI
- 5:10 JAKinib Therapy in the Treatment of Rheumatic Disease**
Teresa K. Tarrant, MD FAAAAI
- 5:30 Advent of JAKinib therapy in Atopic Diseases**
Thomas B. Casale, MD FAAAAI
- 5:50 Question & Answer**
Mildred Kwan, MD PhD FAAAAI

In-Person Workshop

- 2807 Eosinophilic Gastrointestinal Diseases (EGIDs) Below the Esophagus: Emerging Data on Prevalence, Diagnosis and Treatment Advances**
4:45 to 6:00 pm
Convention Center, North Building, Lower Level, Hall 4
Credits: 1.25 CME/CE
- 4:45 Introduction**
Fred Dan Atkins, MD FAAAAI
- 4:50 What Is the Prevalence of EGIDs Below the Esophagus, How Are They Diagnosed, and Why Are We Missing Them?**
Mirna Chehade, MD MPH FAAAAI
- 5:30 What Are the Current and Emerging Therapy Options for EGID Below the Esophagus?**
Ikuo Hirano, MD
- 5:50 Question & Answer**
Fred Dan Atkins, MD FAAAAI

In-Person Workshop

- 2808 Food Allergy on the Threshold**
4:45 to 6:00 pm
Convention Center, West Building, 300 Level, Room 301C
Credits: 1.25 CME/CE
- 4:45 Introduction**
Brian P. Vickery, MD FAAAAI
- 4:50 Estimating Food Allergy Risks Through Individual and Population Thresholds**
Joseph L. Baumert, PhD
- 5:10 Characterizing Severity in Food Allergy and Its Causes**
Paul J. Turner, MD PhD
- 5:30 Practical Implications of Thresholds and Augmentation Factors for the Clinician**
Wayne G. Sheffler, MD PhD FAAAAI
- 5:50 Question & Answer**
Brian P. Vickery, MD FAAAAI

Saturday, February 26

Saturday Scientific Program



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In-Person Workshop

- 2809 Subcutaneous Immunotherapy: Cross-Reactivity, Extract Stability and Optimum Dosing**
- 4:45 to 6:00 pm
Convention Center, West Building, 300 Level, Room 301D
Credits: 1.25 CME/CE
- 4:45 Introduction**
Punita Ponda, MD FAAAAI
- 4:50 A Review of the Math-Free Guides Recently Published for Allergen Doses and Glycerin Concentrations**
Harold S. Nelson, MD FAAAAI
- 5:10 Case Scenarios and How to Formulate a Patient's Immunotherapy Prescription**
Christopher Calabria, MD FAAAAI
- 5:30 Cross-Reactivity Patterns and Allergen Stability Relevant to Prescribing Allergen Immunotherapy**
Tolly Epstein, MD MS FAAAAI
- 5:50 Question & Answer**
Punita Ponda, MD FAAAAI

In-Person Workshop

- 2810 The Bullseye on Prostaglandins: Targeting Asthma Therapy**
- 4:45 to 6:00 pm
Convention Center, North Building, 100 Level, Room 120D
Credits: 1.25 CME/CE
- 4:45 Introduction**
Katherine N. Cahill, MD FAAAAI
- 4:50 PGE2 Regulation (and Dysregulation) of Mast Cell Function**
Joshua A. Boyce, MD FAAAAI
- 5:10 Prostaglandin Regulation of ILC2 Function**
Taylor A. Doherty, MD FAAAAI
- 5:30 Prostaglandin I2 Signaling Licenses Treg Suppressive Function and Prevents Pathogenic Reprogramming**
Stokes Peebles, MD FAAAAI
- 5:50 Question & Answer**
Katherine N. Cahill, MD FAAAAI

In-Person Workshop

- 2811 Allergic Disease Triggered by Cannabis Production and Consumption**
- 4:45 to 6:00 pm
Convention Center, North Building, 100 Level, Room 122A
Credits: 1.25 CME/CE
- 4:45 Introduction**
Guillermo Guidos, MD
- 4:50 Spectrum of Allergic Disease to Cannabis**
Ine I. Decuyper, MD PhD
- 5:10 Establishing the Diagnosis of Cannabis Allergy**
Karin Pacheco, MD MSPH FAAAAI
- 5:30 Exposures in Marijuana Grow Operations and Stores**
William S. Silvers, MD FAAAAI
- 5:50 Question & Answer**
Guillermo Guidos, MD

In-Person Poster Discussion Workshops

- 2812 Novel Mechanisms of Type 2 Airway Inflammation**
- 4:45 to 6:00 pm
Convention Center, North Building, 100 Level, Room 131A
Credits: 1.25
- Moderators: Caroline L. Sokol, MD PhD FAAAAI
Lora G. Bankova, MD*
- 4:45 Poster Viewing**
- 5:25 Single-Cell RNA-Seq Analysis Reveals Cell-type Specific Contribution of Tet1 to Allergic Airway Inflammation in Lung Epithelium**
Hong Ji, PhD
- 5:30 Allergen-Induced Extracellular Release of Self-DNA Promotes Innate Type 2 Immune Responses in the Lung**
Koji Iijima, PhD
- 5:35 Bcl6-expressing Foxp3+ T cells Promote Production of Antigen-Specific IgE in Response to Airborne Ragweed Pollen Exposure**
Koji Matsumoto, MD PhD
- 5:40 Alveolar Macrophage P2Y6 Receptor Signaling Regulates NFATC2 Activation to Enhance Protective Innate Immune Responses**
Jun Nagai, PhD
- 5:45 Airway exposure to diesel exhaust particles and urban particulate matter induces allergic sensitization to peanut via distinct mechanisms**
Timothy P. Moran, MD PhD FAAAAI

EAACI Hybrid Congress 2022

EAACI is eager to welcome you to the EAACI Hybrid Congress 2022, which will this year be held in Prague, Czech Republic and online **on 1-3 July 2022**. Following up on the hugely successful first EAACI hybrid congress held in Krakow, Poland last year, we will provide you again with the flexible format, which enables joining us either onsite in the picturesque, historical city of Prague or attend from the comfort of your homes.

The motto this year corresponds to the current research priority of our Academy: **the One Health Approach**. With this contemporary way of thinking we bring to your attention that the health of our environment, animals and plants is deeply linked to human health. Within the European Commission, the World Health Organisation and other key health opinion leaders, this approach has gained immense momentum, with new initiatives, research and multidisciplinary collaborations carving out an obvious and relevant space for us to join in with our expertise.

A multitude of common factors seems to be responsible for allergic diseases development, duration, and severity in all mammalian species. These include the effects of global warming, climate change, and air pollution which have already become clear; in addition to novel species of plants and animals in geographical regions where they have not been resident before; differences in blooming seasons; changes in the allergenicity of molecules due to CO₂, ozone, or pollution contributing fine- and ultra-fine particles; the environmental hygiene status; body hygiene; diet and food composition; nutritional status; food processing; pollution of water, air, and environment; medications such as antibiotics or acid-suppressing drugs, the epithelial barrier hypothesis and many more. All these factors may have a varying influence on development and outcome of allergic diseases. Therefore, to successfully combine them, a well-coordinated approach both in humans and in animals is necessary.

There is no better place to bring all these minds together than the **EAACI Hybrid Congress 2022**, which will provide three days of deep knowledge sharing, world-class lectures by our experts, and much more.



We look forward to seeing all of you
at the **EAACI Hybrid Congress 2022!**

Sunday At-A-Glance



American Academy of
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6:00 AM						
7:00 AM						
8:00 AM			Seminars (Sheraton) 7:00 - 8:00 am	Allied Health Seminar 7:00 - 8:00 am		
9:00 AM			Plenary Session 8:15 - 9:45 am			
10:00 AM				Poster Presentations & Case Study Posters 9:45 - 10:45 am		
11:00 AM			Symposia 10:45 am - 12:00 pm	Allied Health Symposium 10:45 am - 12:00 pm		
12:00 PM						
1:00 PM			Seminars (Sheraton) & Pro/Con Debates 12:30 - 1:30 pm	Symposia & Interesting Case Workshop 12:30 - 1:45 pm		
2:00 PM			Oral Abstracts 2:00 - 3:15 pm			
3:00 PM						Asthma Educator Course for Preparation to Become a Certified Educator: Day One 12:30 - 6:00 pm
4:00 PM				Interest Section Forums 3:30 - 4:30 pm		
5:00 PM			Featured Posters & Reception 4:45 - 6:15 pm			
6:00 PM						

Sunday, February 27

Sunday Scientific Program



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In-Person Seminar

3001 Air Sampling and Analysis: Current Approaches and Future Developments TICKET \$

7:00 to 8:00 am

Sheraton, Second Level, Ahwatukee A

Pre-registration and ticket required. Fee: \$40

Credits: 1.00 CME/CE

Instructors: Estelle Levetin, PhD FAAAAI

W. Elliot Horner, PhD LEED AP FAAAAI

In-Person Seminar

3002 Aspirin Challenges and Desensitizations for Asthma Control in Aspirin Exacerbated Respiratory Disease (AERD) TICKET \$

7:00 to 8:00 am

Sheraton, Second Level, Ahwatukee B

Pre-registration and ticket required. Fee: \$40

Credits: 1.00 CME/CE

Instructors: Elina Jerschow, MD FAAAAI

John V. Bosso, MD FAAAAI

In-Person Seminar

3003 Problem-Based Learning (PBL): The Importance of Digital Medicine in the Treatment of Severe Asthma/Asthma and Chronic Obstructive Pulmonary Disease (COPD) TICKET \$

7:00 to 8:00 am

Sheraton, Second Level, Laveen A

Pre-registration and ticket required. Fee: \$40

Credits: 1.00 CME/CE

Instructors: Gerald B. Lee, MD FAAAAI

Sunit P. Jariwala, MD

In-Person Seminar

3004 Characteristics and Management of Pediatric Severe Asthma: An Algorithmic Approach TICKET \$

7:00 to 8:00 am

Sheraton, Second Level, Laveen B

Pre-registration and ticket required. Fee: \$40

Credits: 1.00 CME/CE

Instructors: Stanley J. Szefler, MD FAAAAI

Ronina Covar, MD FAAAAI

In-Person Seminar

3005 Chronic Granulomatous Disease (CGD) in a New World TICKET \$

7:00 to 8:00 am

Sheraton, Second Level, South Mountain

Pre-registration and ticket required. Fee: \$40

Credits: 1.00 CME/CE

Instructors: Danielle Arnold

Benjamin T. Prince, MD MCSI FAAAAI

In-Person Seminar

3006 The Eosinophilic Esophagitis (EoE) Patient in Real-World Practice: Is There a Role for Combination Therapies? TICKET \$

TICKET \$

7:00 to 8:00 am

Sheraton, Second Level, Estrella

Pre-registration and ticket required. Fee: \$40

Credits: 1.00 CME/CE

Instructors: Antonella Cianferoni, MD PhD FAAAAI

Evan S. Dellon, MD

In-Person Seminar

3007 The Science Behind New Biomarkers and Diagnostics in Food Allergy TICKET \$

7:00 to 8:00 am

Sheraton, Second Level, Maryvale A

Pre-registration and ticket required. Fee: \$40

Credits: 1.00 CME/CE

Instructors: Alexandra F. Santos, MD PhD

Sarita U. Patil, MD FAAAAI

In-Person Seminar

3009 Heterogeneity of Eosinophils: Treatment and Management Strategies TICKET \$

7:00 to 8:00 am

Sheraton, Second Level, Camelback A

Pre-registration and ticket required. Fee: \$40

Credits: 1.00 CME/CE

Instructors: Paneez Khouri, MD FAAAAI

Princess U. Ogbogu, MD FAAAAI

In-Person Seminar

3010 What to Do with an Abnormal Newborn Screen TICKET \$

7:00 to 8:00 am

Sheraton, Second Level, Camelback B

Pre-registration and ticket required. Fee: \$40

Credits: 1.00 CME/CE

Instructors: Jennifer Heimall, MD FAAAAI

Roshini S. Abraham, PhD D(ABMLI) FAAAAI

Sunday, February 27

Sunday Scientific Program



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In-Person Seminar

3011 Contact Dermatitis Through the Ages: Infants to Seniors



7:00 to 8:00 am

Sheraton, Second Level, Paradise Valley

Pre-registration and ticket required. Fee: \$40

Credits: 1.00 CME/CE

Instructors: Marcella R. Aquino, MD FAAAAI
Ellen R. Sher, MD FAAAAI

In-Person Seminar

3013 Ocular Allergies: New Delivery Concepts for Anterior Ocular Delivery of Treatment



7:00 to 8:00 am

Sheraton, Second Level, Alhambra

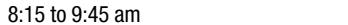
Pre-registration and ticket required. Fee: \$40

Credits: 1.00 CME/CE

Instructors: Leonard Bielory, MD FAAAAI
Bryan L. Martin, DO FAAAAI

In-Person Plenary

3101 Anaphylaxis: Novel Mechanisms and Emerging Therapeutic Interventions



8:15 to 9:45 am

Convention Center, North Building, Lower Level, Hall 4

Credits: 1.50 CME/CE

8:20 Bruton's Tyrosine Kinase Inhibition in Prevention of IgE-Mediated Anaphylaxis

Bruce S. Bochner, MD FAAAAI

8:50 Sialylation of IgE as a Determinant of Allergic Pathogenicity

Robert Anthony, PhD

9:20 Immediate Reactions to mRNA Vaccines

Kimberly G. Blumenthal, MD MSc FAAAAI

Poster Session

9:45 to 10:45 am

Convention Center, North Building, Lower Level, Hall 4

Credits: 0.0 CME/CE/CE

Please refer to the 2022 AAAAI Annual Meeting Mobile App or www.jacionline.org for abstract details.

223-227 Novel Mechanisms of Type 2 Airway Inflammation Discussion Posters

228-245 Adverse Reactions to Beta-lactam Antibiotics

246-277 Asthma/Chronic Cough Epidemiology, Intervention and Public Health

278-299 Immunologic Mechanisms in Atopy, Mucosal Immunology and Vaccines

300-305 Intersection of Atopy and Microbes

306-356 Oral Food Challenges and Diagnostic Testing

357-376 Health Care Disparities, Epidemiology and Quality of Life

377 Rhinosinusitis and Biologics

378-383 Rhinosinusitis Pathophysiology

384-399 Biomarkers of Allergic and Inflammatory Diseases

CA43-CA75 Sunday Case Reports

In-Person Symposium

3301 World Allergy Forum: Updates on Anaphylaxis from the World Allergy Organization (WAO), Mario Sánchez Borges Memorial Symposium



10:45 to 12:00 pm

Convention Center, North Building, 100 Level, Room 120B

Credits: 1.25 CME/CE

10:45 Introduction

Motohiro Ebisawa, MD PhD FAAAAI

10:45 Introduction

Giselle Mosnaim, MD MS FAAAAI

10:50 Important Updates from the WAO Anaphylaxis Guidance

Victoria Cardona, MD PhD

11:10 COVID-19 Vaccination and Anaphylaxis: Where Do We Stand?

Paul J. Turner, MD PhD

11:30 Anaphylaxis in ICD-11 - A New Appreciation of Allergic Conditions

Luciana Kase Tanno, MD PhD

11:50 Question & Answer

Giselle Mosnaim, MD MS FAAAAI

11:50 Question & Answer

Motohiro Ebisawa, MD PhD FAAAAI

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In-Person Symposium

3302 A New Age of Allergic Skin Diseases

10:45 to 12:00 pm

Convention Center, North Building, Lower Level, Hall 4

Credits: 1.25 CME/CE

10:45 Introduction

Ellen R. Sher, MD FAAAAI

10:50 Advances in Therapeutics for Atopic Dermatitis

Emma Guttman-Yassky, MD PhD

11:10 The Janus Kinase (JAK) Inhibitor Story

Mark Boguniewicz, MD FAAAAI

11:30 Precision Approaches to Allergic Skin Diseases

Donald Y.M. Leung, MD PhD FAAAAI

11:50 Question & Answer

Ellen R. Sher, MD FAAAAI

In-Person Symposium

3303 Uncovering the Links Between Toxic Stress and Asthma: Implications for Prevention, Disparities and Treatment

10:45 am to 12:00 pm

Convention Center, West Building, 300 Level, Room 301A

Credits: 1.25 CME/CE

10:45 Introduction

Maria Luz L. Lara-Marquez, MD PhD

10:50 Mechanisms Underlying Prenatal Stress and Early Programming of Childhood Asthma

Rosalind J. Wright, MD MPH

11:10 Environmental Stress: A Key Predictor of Racial and Socioeconomic Disparities in Asthma Morbidity

Bridgette Jones, MD MS FAAAAI

11:30 Stress Management Strategies and Their Impact on Asthma Outcomes

Hemant Sharma, MD MHS FAAAAI

11:50 Question & Answer

Maria Luz L. Lara-Marquez, MD PhD

In-Person Symposium

3304 Mechanisms of Environmental Biohazard Influencers of Allergic Respiratory Disease

10:45 am to 12:00 pm

Convention Center, West Building, 300 Level, Room 301C

Credits: 1.25 CME/CE

10:45 Introduction

Paul V. Williams, MD FAAAAI

10:45 Introduction

Elizabeth C. Matsui, MD MHS FAAAAI

10:50 E-Cigarettes: Health Effects and Approaches for Allergic and Asthmatic Disease

Michelle L. Hernandez, MD FAAAAI

11:10 Urban Air Pollutants: Inflammatory and Remodeling Effects in Asthma and Asthma/COPD Overlap

Allison J. Burbank, MD

11:30 Rural Air Pollutant Health Effects and Approaches in Asthma and Asthma/COPD Overlap

Jill A. Poole, MD FAAAAI

11:50 Question & Answer

Paul V. Williams, MD FAAAAI

11:50 Question & Answer

Elizabeth C. Matsui, MD MHS FAAAAI

In-Person Symposium

3305 Navigating Medical Mistrust in Communities of Color: How the Allergy/Immunology (A/I) Provider Can Help

10:45 am to 12:00 pm

Convention Center, West Building, 300 Level, Room 301D

Credits: 1.25 CME/CE

10:45 Navigating Medical Mistrust in Communities of Color: How the Allergy/Immunology Provider Can Help.

Princess U. Ogbogu, MD FAAAAI

10:50 Overcoming Medical Mistrust to Improve the Care of Allergic Patients

Lenora M. Noroski, MD MPH

11:10 Addressing Vaccine Hesitancy in Communities of Color

Onyema Ogbuagu, MBBCh

11:30 Engaging Disease Populations in Health Research

Andrea J. Apter, MD MA MSc FAAAAI

11:50 Question & Answer

Princess U. Ogbogu, MD FAAAAI

Sunday, February 27



pre-reading material live stream audience response system ticket required fee required included in the Virtual Annual Meeting



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In-Person Symposium

- 3306 Insights into Th2 Regulation, B Cells, and Antibody Secreting Cells in Inflammation: Research From the 2019 AAAAI Foundation Faculty Development Awardees**
LIVE
10:45 am to 12:00 pm
Convention Center, North Building, 100 Level, Room 120A
Credits: 1.25 CME/CE
- 10:45 Introduction**
Kevin J. Kelly, MD FAAAAI
- 10:50 Regulatory Circuits Between Antiviral Type I Interferon and Th2-Type Inflammation in Pediatric Asthma**
Matthew C. Altman, MD
- 11:05 Innate Immune Control of Th2 Differentiation**
Caroline L. Sokol, MD PhD FAAAAI
- 11:20 How B Cell Developmental Defects Shape Manifestations of Common Variable Immunodeficiency**
Paul J. Maglione, MD PhD
- 11:35 Antibody Secretting Cell Dysfunction and Infection Risk in Rheumatoid Arthritis**
Maria J. Gutierrez, MD
- 11:50 Question & Answer**
Kevin J. Kelly, MD FAAAAI

In-Person Symposium

- 3307 Regulation and Function of T Cells in Allergic Diseases**
LIVE
10:45 am to 12:00 pm
Convention Center, North Building, 100 Level, Room 120D
Credits: 1.25 CME/CE
- 10:45 Introduction**
Timothy P. Moran, MD PhD FAAAAI
- 10:50 Regulation of Pulmonary Innate Immunity by the IL33-Treg Axis**
Lucas D. Faustino, PhD
- 11:30 Subversion of Regulatory T Cell Function by the Notch4-Wnt-GDF15 Axis in Asthma**
Talal A. Chatila, MD MSc
- 11:50 Question & Answer**
Timothy P. Moran, MD PhD FAAAAI

In-Person Symposium

- 3308 Allied Health: Difficult to Control Asthma Across the Ages**
10:45 am to 12:00 pm
Convention Center, North Building, 200 Level, Room 227A
Credits: 1.25 CME/CE
- 10:45 Introduction**
Maria Crain, RN MA CPNP
- 10:50 Difficult to Control Asthma vs Severe Asthma**
Mary E. Cataletto, MD
- 11:10 Severe Asthma: Challenges and Opportunities in Children and Adolescents**
Shahid I. Sheikh, MD
- 11:30 Challenges Faced in Managing Adult Asthma**
Karen L. Gregory, DNP APRN-BC RRT AE-C
- 11:50 Question & Answer**
Maria Crain, RN MA CPNP

In-Person Seminar

- 3501 Infant Anaphylaxis**
12:30 to 1:30 pm
Sheraton, Second Level, Ahwatukee A
Pre-registration and ticket required. Fee: \$40
Credits: 1.00 CME/CE
Instructors: *Julie Wang, MD FAAAAI*
Michael Pistiner, MD MMSc

In-Person Seminar

- 3502 Telemedicine in Schools for Asthma and Allergy Care**
12:30 to 1:30 pm
Sheraton, Second Level, Ahwatukee B
Pre-registration and ticket required. Fee: \$40
Credits: 1.00 CME/CE
Instructors: *Tamara T. Perry, MD FAAAAI*
Daniel A. Searing, MD

In-Person Seminar

- 3503 Contracting for Adherence: A Special Approach to Adolescents with Severe Asthma**
12:30 to 1:30 pm
Sheraton, Second Level, Laveen A
Pre-registration and ticket required. Fee: \$40
Credits: 1.00 CME/CE
Instructors: *Andrea J. Apter, MD MA MSc FAAAAI*

In-Person Seminar

- 3504 Diagnosis and Treatment of Multisystem Inflammatory Syndrome (MIS-C) in Children**
12:30 to 1:30 pm
Sheraton, Second Level, Laveen B
Pre-registration and ticket required. Fee: \$40
Credits: 1.00 CME/CE
Instructors: *Sarah E. Henrickson, MD PhD*
Eveline Y. Wu, MD MSCR

Sunday Scientific Program



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In-Person Seminar

- 3505** **Asthma/Chronic Obstructive Pulmonary Disease (COPD) Overlap in the Workplace** TICKET S
12:30 to 1:30 pm
Sheraton, Second Level, South Mountain
Pre-registration and ticket required. Fee: \$40
Credits: 1.00 CME/CE
Instructor: Jonathan A. Bernstein, MD

In-Person Seminar

- 3508** **The Unified Airway Disease Hypothesis in Clinical Practice** TICKET S
12:30 to 1:30 pm
Sheraton, Second Level, Maryvale B
Pre-registration and ticket required. Fee: \$40
Credits: 1.00 CME/CE
Instructors: Anjeni Keswani, MD FAAAAI
Mahboobeh Mahdavinia, MD PhD

In-Person Seminar

- 3510** **Mast Cells: Living Many Different Lives** TICKET S
12:30 to 1:30 pm
Sheraton, Second Level, Camelback B
Pre-registration and ticket required. Fee: \$40
Credits: 1.00 CME/CE
Instructors: Daniel F. Dwyer, PhD
Brian S. Kim, MD MTR FAAD

In-Person Seminar

- 3511** **Oral Immunotherapy (OIT): A Practical Approach** TICKET S
12:30 to 1:30 pm
Sheraton, Second Level, Paradise Valley
Pre-registration and ticket required. Fee: \$40
Credits: 1.00 CME/CE
Instructors: Justin C. Greiwe, MD FAAAAI
Sakina S. Bajowala, MD FAAAAI

In-Person Course

- 3520** **Asthma Educators Course for Preparation to Become a Certified Educator: Day One** TICKET S
12:30 to 6:00 pm
Convention Center, North Building, 200 Level, Room 226A
Credits: 5.00 CME/CE
Moderators: Karen L. Gregory, DNP APRN-BC RRT AE-C
Maureen George, PhD RN AE-C
12:30 Registration and Introduction
1:00 Taking the National Educator Certification Exam
2:00 Asthma Epidemiology
3:00 Break
3:30 History, Physical Exam and Assessment of Severity/Control
5:00 Spirometry for Asthma Educators

In-Person Debate

- 3551** **Home-Based Spirometry Is Ready for Prime Time** V
12:30 to 1:30 pm
Convention Center, West Building, 300 Level, Room 301A
Credits: 1.00 CME/CE
12:30 Introduction and Question & Answer
Steve N. Georas, MD FAAAAI
12:30 Home-Based Spirometry Is Not Ready for Prime Time
Loren C. Denlinger, MD PhD
1:00 Home-Based Spirometry Is Ready for Prime Time
Praveen Akuthota, MD

In-Person Debate

- 3552** **Electronic Adherence Monitoring Improves Asthma Care** V
12:30 to 1:30 pm
Convention Center, West Building, 300 Level, Room 301C
Credits: 1.00 CME/CE
12:30 Introduction and Question & Answer
Sindhura Bandi, MD FAAAAI
12:30 Electronic Adherence Monitoring Improves Asthma Care
William C. Anderson, MD FAAAAI
1:00 Electronic Adherence Monitoring Does Not Improve Asthma Care
Sakina S. Bajowala, MD FAAAAI

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In-Person Debate

- 3553 Sensitization to Environmental Peanut Can Occur Through the Respiratory Tract** LIVE
- 12:30 to 1:30 pm
Convention Center, North Building, 100 Level, Room 120A
Credits: 1.00 CME/CE
- 12:30 Introduction and Question & Answer**
Anne Marie Singh, MD
- 12:30 Sensitization to Peanut Can Occur Through the Respiratory Tract**
Timothy P. Moran, MD PhD FAAAAI
- 1:00 Sensitization to Peanut Can Not Occur Through the Respiratory Tract**
Cecilia Berin, PhD

In-Person Interesting Case Workshop

- 3557 Interesting Case Workshop**
12:30 to 1:45 pm
Convention Center, North Building, 100 Level, Room 121A
Credits: 1.25 CME/CE
Moderator: Neema Izadi, MD MS
- 12:35 Aquagenic Urticaria Treated with Omalizumab**
Kiera L. Brennan
- 12:45 Endogenous Autoimmune Progesterone Dermatitis: Successful Suppression and Desensitization**
Tiffany Dharia, MD
- 12:55 Brachioradial Pruritus: Secondary Lesions and Itch Not Mediated by Histamine**
Ragha V. Suresh, MD
- 1:05 A Rash for a Rash: Drug Induced Lupus with Isotretinoin**
Joshua D. Eubanks, MD
- 1:15 Eczema Herpeticum, a Challenging Diagnosis in an Adult with Recurrent Shingles Outbreaks**
Crystal K. Wu, MD

In-Person Poster Discussion Workshops

- 3558 Cutting Edge Basic Science in Allergic Diseases**
- 12:30 to 1:45 pm
Convention Center, North Building, 100 Level, Room 131A
Credits: 1.25
*Moderators: Daniel F. Dwyer, PhD
Dawn C. Newcomb, PhD*
- 12:30 Poster Viewing**
- 1:10 The CARD14 Variant Rs11652075 Interacts with Vitamin D3 to Confer Barrier Dysfunction and Atopic Dermatitis Risk.**
Stanley B. DeVore, MS
- 1:15 Epigenetic Dysfunction in T cells Impairs Airway Sensitization to Peanut and Reduces Anaphylaxis Severity**
Onyinye Iweala, MD PhD
- 1:20 Major Immunogens Targeted by IgE During Helminth Infection**
Scott A. Smith, MD PhD
- 1:25 Mitochondrial Dysfunction In Age-Related Glandular Remodeling And Nasal Polyp Formation**
Jea Young Lee, PhD
- 1:30 Confirmation of endotypes based on levels of eosinophil, mast cell and basophil microparticles in nasal lavage fluids in chronic rhinosinusitis with nasal polyps using two Northwestern Memorial Hospital cohorts**
Toru Takahashi, MD PhD

In-Person Oral Abstract Session

- 3601 New Insights in Anaphylaxis**
2:00 to 3:15 pm
Convention Center, West Building, 300 Level, Room 301A
Credits: 1.25 CME/CE
*Moderators: Theresa A. Bingemann, MD FAAAAI
Jeffrey Chambliss, MD*
- 2:05 Nociceptor Neurons Protect From Allergen-Induced Anaphylaxis**
Tuany Eichwald, PhD Candidate
- 2:15 Perioperative Anaphylaxis: Our University's Experience**
Sara S. Patrawala, MD
- 2:25 The Role of Epinephrine, Antihistamines and Steroids in the Management of Anaphylaxis: Data From the Cross-Canada Anaphylaxis Registry (C-CARE)**
Luca Delli Colli
- 2:35 Risk Associated with Common Procedures Performed in a Referral Allergy Clinic**
Monica Hajirawala, MD
- 2:45 Use of Epinephrine in Paediatric Anaphylaxis: Beyond the Emergency Department**
Maria Munoz de Baena Albarracin

Sunday Scientific Program



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In-Person Oral Abstract Session

- 3602 Emerging Research in Childhood Asthma**
2:00 to 3:15 pm
Convention Center, West Building, 300 Level, Room 301C
Credits: 1.25 CME/CE
*Moderators: Andrea A. Pappalardo, MD
Basil M. Kahwash, MD*
- 2:05 Maternal Prenatal Inflammation Is Associated With Offspring Childhood Asthma**
Yih-Chieh Chen, MD
- 2:15 Mask Use During Exercise Does Not Affect Oxygen Saturation in Children with or Without Asthma**
Marisa Hedges, MD
- 2:25 Genotype-Based Prediction of Gene Expression in Human Placenta is Associated with Childhood Asthma Susceptibility**
Brittney Snyder, PhD
- 2:35 Peanut Sensitization is Associated with Greater Respiratory Morbidity in Preschool Children with Comorbid Asthma**
Thomas Offerle, MD
- 2:45 Dupilumab Improves Asthma Control, and Allergic Rhinitis-Related Health-Related Quality of Life in Children with Uncontrolled Persistent Asthma with Comorbid Allergic Rhinitis**
Alessandro G. Fiocchi, MD

In-Person Oral Abstract Session

- 3603 Mechanisms of Atopic Disease**
2:00 to 3:15 pm
Convention Center, North Building, 100 Level, Room 121A
Credits: 1.25 CME/CE
*Moderators: Benjamin T. Prince, MD MCSI FAAAAI
Ivan Chinn, MD*
- 2:05 Mediating Role of Socio-Environmental Factors in the Relationship between Genetic Ancestry Differences and Pediatric Asthma Readmission**
Tesfaye B. Mersha, PhD
- 2:15 Epithelium-Derived Signals Promote Regulatory Gene Expression in Human Eosinophils**
Julia L. Dunn, PhD
- 2:25 Esophageal Epithelial Cells Present Antigen on MHCII in an IFNy and Promoter IV-Dependent Manner**
Eric M. Rodriguez-Lopez
- 2:35 Transcriptional Profiling of Mouse Eosinophils Identifies Unique Activation Signature Following Polarization**
Avishay Dolitzky
- 2:45 A Novel Autosomal Recessive Primary Atopic Disorder Associated with Loss-of-Function Variants in OSMR**
Mehul Sharma

In-Person Oral Abstract Session

- 3604 Immunologic Responses to Environmental Exposures**
2:00 to 3:15 pm
Convention Center, North Building, 100 Level, Room 122A
Credits: 1.25 CME/CE
Moderator: Karin A. Pachico, MD MSPH FAAAAI
- 2:05 Exposure to Ambient Air Pollutants During Pregnancy is Linked to IL4, IL10, and IFNy Gene Methylation and Fewer Th1, Th2, and Th17 Cell Populations**
Juan Aguilera, MD PhD
- 2:15 Interleukin-33 Prevents Post-Viral Atopy and Reduces Mortality to a Respiratory Paramyxovirus**
Syed-Rehan A. Hussain, PhD
- 2:25 Effect Of Chemerin Deficiency On Ozone-Induced Lung Injury And Lung Inflammation**
Albert W. Pilkington, IV, PhD
- 2:35 Sensitization to Nickel Associates with HLA-DR53 (DRB4*01) in Implant Failure Patients; the Association is Confirmed in a DR53 Transgenic Mouse Model**
Wei Li, PhD
- 2:45 Pulmonary Immunological Impact of Pathogenic and Non-Pathogenic Cryptococcus Yeast Species**
Rachael E. Rush

In-Person Oral Abstract Session

- 3605 Oral Immunotherapy: Predictors of Success, Real World and Long Term Studies LIVE**
2:00 to 3:15 pm
Convention Center, North Building, 100 Level, Room 120A
Credits: 1.25 CME/CE
Moderator: Christina S.K. Yee, MD PhD
- 2:05 Predictors of Safety for Preschool Peanut Oral Immunotherapy that can help inform a Personalized Medicine Approach**
Duva Karunakaran
- 2:15 Longer Duration Of Peanut Oral Immunotherapy At A Reduced Dosing Frequency Increases The Rate Of Sustained Unresponsiveness Without Reducing Clinical Efficacy**
Paul J. Turner, MD PhD
- 2:25 Establishing Safety of Alternating Peanut Products During Real-World Peanut Oral Immunotherapy Using Equivalency Challenges**
Adam Z. Magier, MS
- 2:35 Predictors of Time to Maintenance on Peanut Oral Immunotherapy**
David M. Pyle, MD PhD
- 2:45 Self-Reported Food Allergy-Associated Anxiety During Oral Immunotherapy Declines with Time**
Shirley Y. Jiang, MD

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In-Person Oral Abstract Session

3606 Allergy/Immunology and the COVID-19 Pandemic Response

2:00 to 3:15 pm

Convention Center, North Building, 100 Level, Room 120B

Credits: 1.25 CME/C

Moderator: Sujani S. Kakumanu, MD

2:05 Clinical Outcomes of COVID-19 in Common Variable Immunodeficiency Patients

Derek Nye

2:15 Allergic and Nonallergic Covid-19 Vaccine Adverse Reactions in Hospital Employees

Hope Jin, MD

2:25 A Multicenter Assessment of Food Allergy Quality of Life in Adolescents and Caregivers in Relation to Anxiety and Depression during the COVID-19 Pandemic

Naiya Patel, MD

2:35 Improving Mobile Health for Asthma in a Pandemic: Patient Use of an Integrated COVID-19 Screener

Robert S. Rudin

2:45 The Impact of the COVID-19 Pandemic on Food Allergy Families

Melissa L. Hearrell, FNP-C

In-Person Oral Abstract Session

3607 Chronic Rhinosinusitis and Dupilumab

2:00 to 3:15 pm

Convention Center, North Building, 200 Level, Room 221A

Credits: 1.25 CME/CE

Moderator: Mahboobeh Mahdavinia, MD PhD

2:05 Dupilumab Achieves Durable Reduction in Severity of Symptoms Rated Most Important by Patients with Chronic Rhinosinusitis with Nasal Polyps

Claire Hopkins, MD PhD

2:15 Dupilumab Improves Objective, Subjective, and Health-Related Quality of Life Outcomes in Chronic Rhinosinusitis with Nasal Polyps (CRSwNP), Regardless of BMI \geq 30kg/m² or Weight \geq 90kg: Post-Hoc Analysis of the SINUS-24 and SINUS-52 Studies

Seong Ho Cho, MD FAAAAI

2:25 Symptom Free Days In Patients With Severe Chronic Rhinosinusitis with Nasal Polyps Treated with Dupilumab

Claus Bachert, MD PhD

2:35 Prognostic Factors for Polyp Recurrence in Chronic Rhinosinusitis with Nasal Polyps

Junqin Bai, PhD

2:45 Dupilumab Leads to Reduction of Anosmia in Patients with Severe Chronic Rhinosinusitis with Nasal Polyps

Andrew P. Lane, MD

In-Person Oral Abstract Session

3608 New Discoveries on Mechanisms and Endotypes of Asthma

2:00 to 3:15 pm

Convention Center, North Building, 200 Level, Room 222A

Credits: 1.25 CME/CE

Moderators: Katherine N. Cahill, MD FAAAAI

Magdalena M. Gorska, MD PhD FAAAAI

2:05 Unsupervised Cluster Analysis of Nasal Cytokines During RV Infection Identifies Distinct Immunophenotypes in Both Children and Adults with Allergic Asthma

Lyndsey M. Muehling, PhD

2:15 Type 2 Innate Lymphoid Cells (ILC2s) Create Tissue Environment That Facilitates Accumulation of Antigen-specific Th2 Cells in the Lung

Takao Kobayashi, PhD

2:25 Features of the Gut Microbiome Relate to Allergic Asthma Phenotypes in Inner-City Children

Mustafa Ozcam, PhD

2:35 TGF Directs the Phenotype and Function of Intraepithelial Mast Cells

Tahereh Derakhshan, PhD

2:45 Trmem178 Inhibits Allergic Inflammation in a Murine Model of Asthma

Andrea Sitek, MD

In-Person Oral Abstract Session

3609 Biologic Therapies in Severe and Exacerbation-Prone Asthma LIVE

2:00 to 3:15 pm

Convention Center, North Building, 100 Level, Room 120D

Credits: 1.25 CME/CE/CE

Moderators: William C. Anderson, MD FAAAAI

Will J. Shahan, MD FAAAAI

2:05 Phenotype-Directed Therapy with Mepolizumab for Urban Children with Exacerbation-Prone Asthma

Daniel J. Jackson, MD FAAAAI

2:15 Distinct Airway Inflammatory Pathways Associated with Asthma Exacerbations are Modulated by Mepolizumab Therapy in Children

Matthew C. Altman, MD

2:25 Clinical Remission with Biologic Use Among US Subspecialist-treated Patients with Severe Asthma: Results from the CHRONICLE Study

Bradley Chippis, MD FAAAAI

2:35 The Clinical Benefit Of Mepolizumab Treatment Is Independent Of Baseline Maintenance Oral Corticosteroid Use: Results From The Real-World REALITI-A Study

Mark C. Liu, MD FAAAAI

2:45 Effectiveness of Mepolizumab, Benralizumab and Dupilumab in Eosinophilic Asthma: A Bayesian Network Meta-Analysis

Ayobami Akenroye, MD MPH

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In-Person Oral Abstract Session

3611 Late Breaking Oral Abstract Session #2

2:00 to 3:15 pm

Convention Center, North Building, 200 Level, Room 225A

Credits: 1.25 CME/CE/CE

Moderators: TBD

TBD

2:05 Multiple FLG Variants Drive Eczema Severity in the LEAP Study Participants

Michelle F. Huffaker, MD

2:15 Translating lessons learned on the role of HLA in immunological responses in LEAP to peanut OIT Trials: IMPACT and POISED

Kanika Kanchan, PhD

2:25 The Kinetics of Peanut Allergy Development and Resolution in the EAT, LEAP and PAS Cohorts

Gideon Lack, MD

2:35 Early Life Dysbiosis Drives Skin Changes Associated with Increased Susceptibility to Atopic Dermatitis

Debabjyoti Ghosh, PhD

2:45 Targeting Inhibitory Siglec-3 In Vitro to Suppress Peanut-Induced Human Basophil Degranulation

Suzanne M. Barshaw, MD

In-Person Interest Section Forum

3701 ADDA: Biphasic Anaphylaxis: Integrating Best Value Care with Patient Safety

3:30 to 4:30 pm

Convention Center, West Building, 300 Level, Room 301C

Credits: 0.50 CME/CE

3:30 Business Meeting

Julie Wang, MD FAAAAI

4:00 Biphasic Anaphylaxis: Integrating Best Value Care with Patient Safety

Marcus S. Shaker, MD MS FAAAAI

In-Person Interest Section Forum

3702 ADT: The Role of the Maternal Diet During Pregnancy in Asthma and Allergy Prevention

3:30 to 4:30 pm

Convention Center, West Building, 300 Level, Room 301D

Credits: 0.50 CME/CE

3:30 Business Meeting

Sharmilee Nyenhuis, MD FAAAAI

4:00 Diet Diversity and Indices in Pregnancy: Their Role on Offspring Microbiome, Epigenetic and Asthma and Allergy Outcomes

Carina Venter, PhD RD

In-Person Interest Section Forum

3703 BCI: Prevention and Treatment of COVID-19 in Patients with Primary Immune Deficiency Disease (PIDD)

3:30 to 4:30 pm

Convention Center, North Building, 100 Level, Room 122A

Credits: 0.50 CME/CE

3:30 Business Meeting

Lisa R. Forbes Satter, MD FAAAAI

4:00 Prevention and Treatment of COVID-19 in Patients with PIDD

Jennifer Heimall, MD FAAAAI

In-Person Interest Section Forum

3704 EORD: Impact of Climate Change on Pollen, Mold and Susceptibility to COVID-19 Infection

3:30 to 4:30 pm

Convention Center, North Building, 200 Level, Room 221A

Credits: 0.50 CME/CE

3:30 Business Meeting

Jay M. Portnoy, MD FAAAAI

4:00 Impact of Climate Change on Pollen, Mold and Susceptibility to COVID-19 Infection

Gennaro D'Amato, MD FAAAAI

In-Person Interest Section Forum

3705 FAED: Is It Sensitization or Clinical Allergy: Novel Food Allergy Diagnostics

3:30 to 4:30 pm

Convention Center, North Building, 100 Level, Room 120B

Credits: 0.50 CME/CE

3:30 Business Meeting

Amal H. Assa'ad, MD FAAAAI

4:00 Planning a Clinical Test for Novel Food Allergy Diagnostics

Panelists: Aikaterini Anagnostou, MD MSc PhD FAAAAI

Alexandra F. Santos, MD PhD

In-Person Interest Section Forum

3706 HEDQ: What the Allergist/Immunologist Needs to Know About Health Disparities

3:30 to 4:30 pm

Convention Center, North Building, 200 Level, Room 222A

Credits: 0.50 CME/CE

3:30 Business Meeting

Princess U. Ogbogu, MD FAAAAI

4:00 What the Allergist/Immunologist Needs to Know About Health Disparities

Tamara T. Perry, MD FAAAAI

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In-Person Interest Section Forum

- 3707 IRSO: Rhinitis and Rhinosinusitis: The Role of Type 2 Immune Regulation in COVID-19 Pathogenesis** ▼

3:30 to 4:30 pm

Convention Center, West Building, 300 Level, Room 301A

Credits: 0.50 CME/CE

- 3:30 Business Meeting**

Patricia A. Takach, MD FAAAAI

- 4:00 Rhinitis and Rhinosinusitis: The Role of Type 2 Immune Regulation in COVID-19 Pathogenesis**

Daniel J. Jackson, MD FAAAAI

In-Person Interest Section Forum

- 3708 MAAI: The Idiosyncrasies of Severe Asthma Evidence from Cellular, Molecular and Genomic Studies** ▼

3:30 to 4:30 pm

Convention Center, North Building, 100 Level, Room 121A

Credits: 0.50 CME/CE

- 3:30 Business Meeting**

Roma Sehmi, PhD FAAAAI

- 4:00 The Idiosyncrasies of Severe Asthma Evidence From Cellular, Molecular and Genomic Studies**

Parameswaran K. Nair, MD PhD

Featured Poster Session

4:45 to 6:15 pm

Convention Center, North Building, 100 Level, 120 Concourse

Credits: 0.0 CME/CE

Please refer to the 2022 AAAI Annual Meeting Mobile App or www.jacionline.org for abstract details.

- 450-454 ADDA Highlights 2022**

- 455-459 Novel Management Options**

- 460-464 Top Topics in Basic and Clinical Immunology**

- 465-469 Modulators of Environmental Allergen Burden**

- 470-474 Inflammatory response in Eosinophilic Esophagitis**

- 475-479 HealthCare Disparities in Allergy/Immunology**

- 480-484 Inflammatory Signature of Chronic Rhinitis with Nasal Polyps**

- 485-489 IgE-Mediated Reactions and Anaphylaxis: Novel Mechanisms and Strategies for Therapeutic Intervention**



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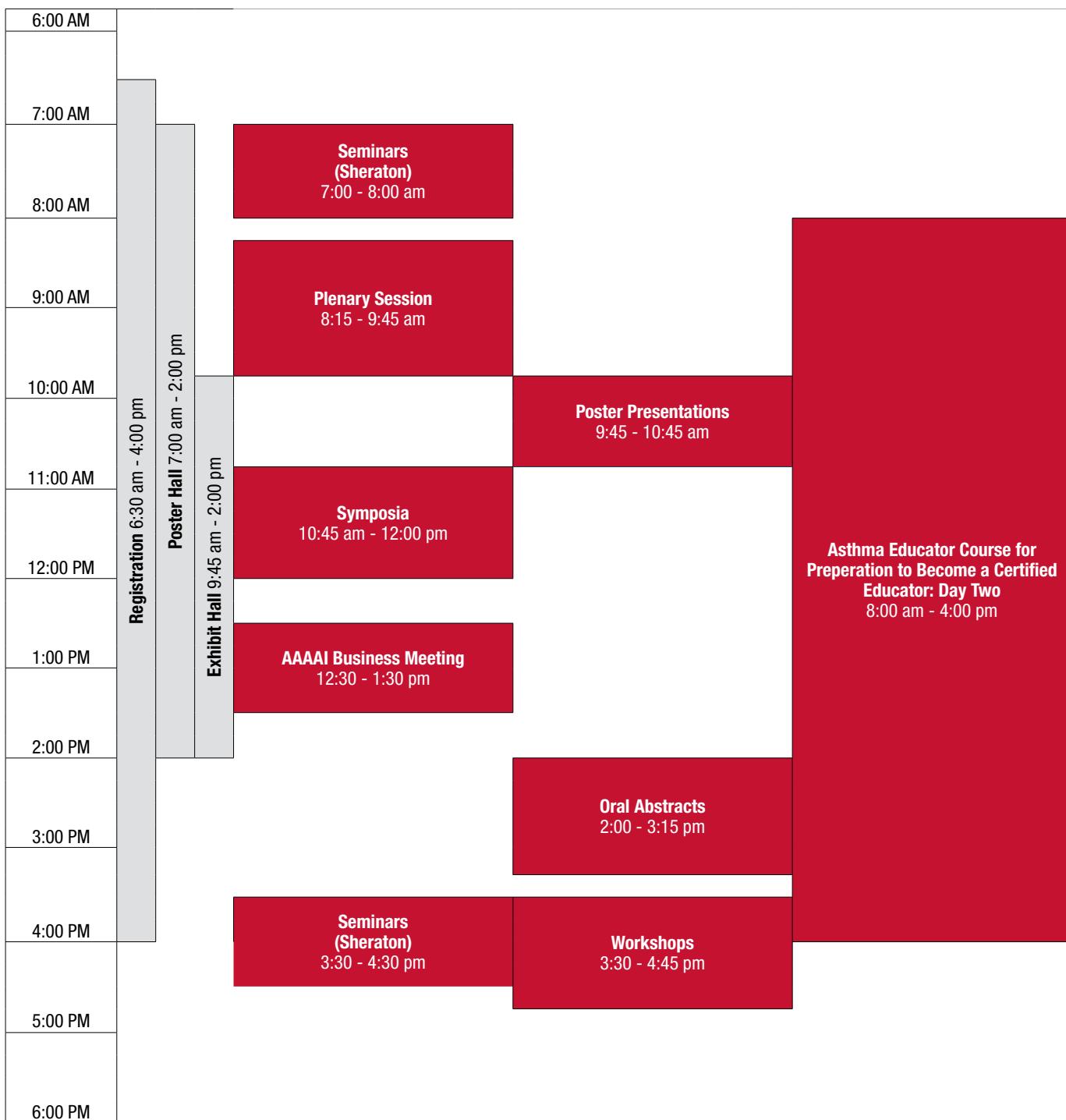


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Monday At-A-Glance



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In-Person Seminar

- 4002** **The Impact of Chronic Rhinosinusitis on Asthma Outcomes: An Allergist's and Ears, Nose and Throat (ENT's) Perspectives**
7:00 to 8:00 am
Sheraton, Second Level, Laveen B
Pre-registration and ticket required. Fee: \$40
Credits: 1.00 CME/CE
Instructors: *Anjeni Keswani, MD FAAAAI*
Joseph K. Han, MD FAAAAI

In-Person Seminar

- 4003** **Pediatric Interstitial Lung Disease (ILD) as a Manifestation of Systemic Immunological Disorders**
7:00 to 8:00 am
Sheraton, Second Level, South Mountain
Pre-registration and ticket required. Fee: \$40
Credits: 1.00 CME/CE
Instructors: *Timothy Vece, MD*
Paul J. Maglione, MD PhD

In-Person Seminar

- 4005** **The Smart Home Health and Fitness Revolution: Helping Patients Utilize Personal Health Technology**
7:00 to 8:00 am
Sheraton, Second Level, Maryvale A
Pre-registration and ticket required. Fee: \$40
Credits: 1.00 CME/CE
Instructors: *Sharmilee Nyenhuis, MD FAAAAI*
Andrew J. Cooke, MD

In-Person Seminar

- 4006** **Carbohydrate Epitopes as Targets for Immunoglobulin E (IgE) Antibodies: New Developments the Allergist Should Know**
7:00 to 8:00 am
Sheraton, Second Level, Maryvale B
Pre-registration and ticket required. Fee: \$40
Credits: 1.00 CME/CE
Instructors: *Thomas A. Platts-Mills, MD PhD FAAAAI*

In-Person Seminar

- 4008** **Asthma Management in the Age of COVID-19**
7:00 to 8:00 am
Sheraton, Second Level, Paradise Valley
Pre-registration and ticket required. Fee: \$40
Credits: 1.00 CME/CE
Instructors: *Paul V. Williams, MD FAAAAI*
Mary Beth Fasano, MD MSPH FAAAAI

In-Person Course

- 4020** **Asthma Educators Course for Preparation to Become a Certified Educator: Day Two**
8:00 am to 4:00 pm
Convention Center, North Building, 200 Level, Room 226A
Credits: 7.00 CME/CE
Karen L. Gregory, DNP APRN-BC RRT AE-C
Maureen George, PhD RN AE-C
8:00 **Pharmacotherapy**
9:30 **Educational Needs**
11:00 **Devices Workshop**
11:30 **Professional Networking, Referral and Outcomes**
12:00 **Lunch**
12:30 **Co-Morbidities and Treatment Interventions: Behavioral, Environmental, Pharmacological**
2:30 **Culturally Sensitive Approaches to Asthma**
3:00 **Complicated Asthma, Comprehensive Case**

In-Person Plenary

- 4101** **An Ounce of Prevention**
8:15 to 9:45 am
Convention Center, North Building, Lower Level, Hall 4
Credits: 1.50 CME/CE
8:15 **Introduction**
Anna H. Nowak-Wegrzyn, MD PhD FAAAAI
8:20 **How Far Have We Leaped in 7 Years? Prevention Through Timing of Solid Food Introduction**
George Du Toit, MD FAAAAI
8:45 **Introduction**
Anna H. Nowak-Wegrzyn, MD PhD FAAAAI
8:50 **From Farm to Table: Preventative Factors Associated with Farm Living**
Kirsi M. Jarvinen-Seppo, MD PhD FAAAAI
9:15 **Introduction**
Anna H. Nowak-Wegrzyn, MD PhD FAAAAI
9:20 **Gut Microbiota Modulation**
Hugh A. Sampson, MD FAAAAI

Monday Scientific Program



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Poster Session

9:45 to 10:45 am

Convention Center, North Building, Lower Level, Hall 4

Credits: 0.0 CME/CE

Please refer to the 2022 AAAAI Annual Meeting Mobile App or [www.jacionline.org](#) for abstract details.

- 445-449** Cutting Edge Basic Science in Allergic Diseases Poster Discussion
- 490-510** Angioedema
- 511-526** Non-Beta Lactam Drug Allergies
- 527-547** Urticaria, Contact Dermatitis and Immune-Mediated Skin Disorders
- 549-554** Asthma and COVID-19
- 555-562** Asthma Management with Technologies
- 563-580** Asthma Diagnosis, Genotyping and Phenotyping
- 581-594** Immunomodulation, Immunodysregulation and Biologics
- 595-605** Aerobiology: Pollens and Fungi
- 606-635** Eosinophilic GI Disorders, Alpha Gal Allergy and FPIES
- 636-649** Adherence, Health Literacy, and Health Education
- 650-653** Ocular Allergy
- 654-660** Allergens: Composition, Purification and Function
- 661-665** Mast Cell-Related Inflammatory Pathologies
- L11-L42** Late Breaking Posters

In-Person Symposium

- 4301** Schools and Difficult to Control Asthma
- 10:45 am to 12:00 pm
- Convention Center, West Building, 300 Level, Room 301A**
- Credits: 1.25 CME/CE
- 10:45** Introduction
Tamara T. Perry, MD FAAAAI
- 10:50** The Contribution of School Environments to Asthma Disease Expression
Wanda Phipatanakul, MD MS FAAAAI
- 11:10** School-Based Partnerships and Policies to Improve Asthma Control
Sujani S. Kakumanu, MD FAAAAI
- 11:30** Establishing State-Wide Partnerships to Improve Asthma Control
Stanley J. Szefler, MD FAAAAI
- 11:50** Question & Answer
Tamara T. Perry, MD FAAAAI

In-Person Symposium

- 4302** The Evolving Impact of Respiratory Viruses on Asthma
- 10:45 am to 12:00 pm
- Convention Center, North Building, 100 Level, Room 122A**
- Credits: 1.25 CME/CE
- 10:45** Introduction
Sharmilee Nyenhuis, MD FAAAAI
- 10:50** Effects of Respiratory Viruses on Immune Development
James E. Gern, MD FAAAAI
- 11:10** Influence of Respiratory Viruses on Asthma Inception and Progression
Tina V. Hartert, MD MPH
- 11:30** Management and Prevention of Virally Triggered Asthma Exacerbations
Leonard B. Bacharier, MD FAAAAI
- 11:5** Question & Answer
Sharmilee Nyenhuis, MD FAAAAI

In-Person Symposium

- 4303** A Multidisciplinary Approach to Refractory Chronic Cough
- 10:45 to 12:00 pm
- Convention Center, North Building, 200 Level, Room 221A**
- Credits: 1.25 CME/CE
- 10:45** Introduction
Roxana I. Siles, MD FAAAAI
- 10:50** Defining Key Mechanisms in the Pathophysiology of Refractory Chronic Cough
Jeanne Hatcher, MD
- 11:10** Approved and Experimental Pharmacologic and Non-Pharmacologic Strategies for Treatment of Chronic Cough
Kaiser G. Lim, MD FAAAAI
- 11:30** The Role of Speech Pathology in the Assessment and Management of Chronic Cough
Amanda Gillespie, PhD
- 11:50** Question & Answer
Roxana I. Siles, MD FAAAAI

Monday, February 28

Monday Scientific Program



American Academy of
Allergy Asthma & Immunology
ANNUAL MEETING
PHOENIX, AZ · FEBRUARY 25–28, 2022

In-Person Symposium

- 4304 Autoinflammatory Syndromes: How and When to Do a Diagnostic Work Up and Current Treatment Options**
10:45 am to 12:00 pm
Convention Center, North Building, 200 Level, Room 222A
Credits: 1.25 CME/CE
- 10:45 Introduction**
Amir H. Shahlaee, MD
- 10:50 Clinical Manifestations and Findings of Autoinflammatory Syndromes**
Hal M. Hoffman, MD
- 11:10 Diagnosis and Treatment of Multisystem Inflammatory Syndrome in Children (MIS-C)**
Eveline Y. Wu, MD MSCR
- 11:30 Therapeutic Approach to Treatment of Autoinflammatory Syndromes**
Lori Broderick, MD PhD
- 11:50 Question & Answer Facilitation**
Amir H. Shahlaee, MD

In-Person Symposium

- 4305 Mitigating the Allergen Exposures Causing Uncontrolled Pediatric Asthma**
10:45 am to 12:00 pm
Convention Center, West Building, 300 Level, Room 301C
Credits: 1.25 CME/CE
- 10:45 Introduction**
John C. Carlson, MD PhD
- 10:50 Mitigating Rodent Exposure for Children with Uncontrolled Asthma**
Torie L. Grant, MD
- 11:10 Mitigating Cockroach Exposure for Children with Uncontrolled Asthma**
Felicia A. Rabito, PhD MPH
- 11:50 Question & Answer**
John C. Carlson, MD PhD

In-Person Symposium

- 4306 Nature versus Nurture: Genetic and Environmental Factors Implicated in the Pathogenesis of Eosinophilic Esophagitis (EoE)**
10:45 am to 12:00 pm
Convention Center, West Building, 300 Level, Room 301D
Credits: 1.25 CME/CE
- 10:45 Introduction**
Benjamin L. Wright, MD FAAAAI
- 10:50 What Clues Can Epidemiology Give Us About the Environmental Risk Factors for EoE?**
Elizabeth T. Jensen, MPH PhD
- 11:10 How Do Disease Susceptibility Loci Elucidate Pathomechanisms in EoE?**
Leah C. Kottyan, PhD
- 11:30 Host Meets World: Epigenetic Modifications in EoE**
Melanie A. Ruffner, MD PhD
- 11:50 Question & Answer**
Benjamin L. Wright, MD FAAAAI

In-Person Symposium

- 4307 Shared Decision Making (SDM): Recent Advances for Allergy/Immunology Patients**
10:45 am to 12:00 pm
Convention Center, North Building, 100 Level, Room 120A
Credits: 1.25 CME/CE
- 10:45 Introduction**
Marcus S. Shaker, MD MS FAAAAI
- 10:50 The 2020 NIH Asthma Guideline Recommend Shared Decision Making SDM: Here's How to Do It**
Alan P. Baptist, MD MPH FAAAAI
- 11:10 There Is Finally Something to Do for Food Allergy: Using SDM to Find the Right Option**
Anne Marie Singh, MD
- 11:30 Using Shared Decision Making to Address Health Disparities in the Post Pandemic Era**
Gloria E. Akan, MD
- 11:50 Question & Answer**
Marcus S. Shaker, MD MS FAAAAI

In-Person Symposium

- 4308 Potential Untapped Targets in Severe Asthma**
10:45 am to 12:00 pm
Convention Center, North Building, 100 Level, Room 120D
Credits: 1.25 CME/CE
- 10:45 Introduction**
Taylor A. Doherty, MD FAAAAI
- 10:50 Breaking Up Is Hard to Do: Anti-Tryptase Treatment for Asthma**
Lawrence B. Schwartz, MD PhD FAAAAI
- 11:10 Gene Therapy as an End to Asthma**
Jung Soo Suk, PhD MSE
- 11:30 Childhood Asthma: All in the Nerves**
Xingbin Ai, PhD
- 11:50 Question & Answer**
Taylor A. Doherty, MD FAAAAI

Monday Scientific Program



American Academy of
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ANNUAL MEETING
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In-Person Oral Abstract Session

4601 Best of Allergic Skin Disease 2022

2:00 to 3:15 pm

Convention Center, West Building, 300 Level, Room 301C

Credits: 1.25 CME/CE

Moderator: TBD

2:05 Increased Local Production of PGD2 in Skin Lesions of Patients with Chronic Spontaneous Urticaria

Shivani Khanna, MD

2:15 Type 2 Inflammation Drives Transcriptional Remodeling of Itch-Sensory Neurons

Aaron Ver Heul, MD PhD

2:25 S. Aureus Superantigens Found on AD Skin Alter Human Keratinocyte Biology

Mary C. Moran

2:35 Longitudinal Atopic Dermatitis Endotypes: An Atopic March Paradigm That Includes Black Children

Jocelyn M. Biagini, PhD

2:45 Can Plasma MicroRNA Expression Patterns Predict Who May Develop Severe Hereditary Angioedema (HAE)?

Faoud T. Ishmael, MD PhD FAAAAI

In-Person Oral Abstract Session

4602 Asthma Pathogenesis

2:00 to 3:15 pm

Convention Center, North Building, 100 Level, Room 122A

Credits: 1.25 CME/CE

Moderators: Thanai Pongdee, MD FAAAAI

2:05 LIGHT - LTBR Signaling is Essential for Airway Smooth Muscle Remodeling and Asthmatic Airway Hyperresponsiveness

Haruka Miki, MD PhD

2:15 The Acetylcholine-Muscarinic Receptor Pathway Promotes Type 2 Immune Responses to Inhaled Allergens

Ryuusuke Hayashi, MD PhD

2:25 Significance of IL-18 Responsive CD274 Expressing Eosinophils in Allergen Induced Asthma Pathogenesis

Sathisha Upparahalli Venkateshaiah, PhD

2:35 Expansion of a Double-Negative (CD27-IgD-) B Cell Population in the Sputum of Severe Eosinophilic Asthmatic Patients

Nadia Suray Tan

2:45 Epithelial Cell Responses to Rhinovirus Identify an Early-Life-Onset Asthma Phenotype in Adults

Eugene H. Chang, MD

In-Person Oral Abstract Session

4603 Primary Immunodeficiency Disorders

2:00 to 3:15 pm

Convention Center, North Building, 200 Level, Room 227A

Credits: 1.25 CME/CE

*Moderators: TBD
TBD*

2:05 Exploring the Effects of BMI, Dose, and Route of Administration on Efficacy of Immunoglobulin G Replacement Therapy

Nikki H. Kimura, MD

2:15 T Cell Receptor Diversity as a Biomarker For Immune Reconstitution After Bone Marrow Transplantation for Severe Combined Immunodeficiency

Matthew J. Kan, MD PhD

2:25 Clinical Manifestations and Phenotypic Characterization of Older-Adult-Onset Common Variable Immunodeficiency

Lyda Cuervo-Pardo, MD

2:35 Autoimmune Manifestations in a Cohort of Female X-linked Chronic Granulomatous Disease Carriers

Mary Ann V. Miranda, MD

2:45 Outcomes Among Racial and Ethnic Minority Groups with X-linked Agammaglobulinemia from the USIDNET Registry

Dana O'Toole, MD

Attend the 2022 AAAAI

Annual Business Meeting

to include the induction of all new Fellows and members approved in 2021

Monday, February 28, 2022
12:30 to 1:30 pm
**Convention Center, North Building,
100 Level, Room 120B**

Monday, February 28

Monday Scientific Program



American Academy of
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ANNUAL MEETING
PHOENIX, AZ · FEBRUARY 25–28, 2022

In-Person Oral Abstract Session

4604 Food Allergy: From Early life to Therapy

2:00 to 3:15 pm

Convention Center, West Building, 300 Level, Room 221A

Credits: 1.25 CME/CE

Moderators: TBD

TBD

2:05 Dietary Diversity During Early Infancy Increases Gut Microbial Diversity and Prevents Egg Allergy in High-Risk Infants

Jihyun Kim, MD

2:15 Racial and Ethnic Differences in Food Allergy Reactions and Treatment Outcomes

Neil Thivalapill, MS

2:25 Analysis of a Multi-State Pediatric Birth Cohort Reveals Incidence of Pediatric Allergy

Stanslaw Gabryszewski, MD PhD

2:35 Phenotypic Characterization of Childhood- and Adult- Onset Food Allergy Among Adults in the United States

Haley Hultquist

2:45 Reductions in Early-Life Intestinal Metabolites are Associated with Food Allergy

Kathleen Lee-Sarwar, MD MS

In-Person Oral Abstract Session

4605 Biologic Mechanisms and Rhinitis

2:00 to 3:15 pm

Convention Center, North Building, 200 Level, Room 221A

Credits: 0.0 CME/CE

Moderators: TBD

TBD

2:05 Biological Responses to House Dust Mite Exposure in the Environmental Exposure Unit

Lubnaa Hossenboccus, BSCh

2:15 Arctigenin Isolated From Arctium lappa Which Suppresses IgE Production Inhibits The Gene Expression Of Telomerase and Telomerase in Human B Cell Line

Ibrahim A. Musa

2:25 Nasal Mucus Inflammatory Profile Predicts Clinical Post-Operative Outcomes in Aspirin-Exacerbated Respiratory Disease

Kristen Corey, MD

2:35 Understanding the Association of IgE and Gut and Mucosal Proteins in Atopic Disorders

Anushka Shah

2:45 HLA-DPB1*05:01 Genotype is a Predictive Biomarker of Sublingual Immunotherapy Response for Japanese Cedar Pollinosis

Masanori Kidoguchi

In-Person Oral Abstract Session

4606 Host-Microbe Interactions in Allergic Diseases

2:00 to 3:15 pm

Convention Center, North Building, 200 Level, Room 222

Credits: 1.25 CME/CE

Moderators: Angela Haczku, MD PhD FAAAAI

2:05 Rhinovirus Increases Moraxella Catarrhalis Adhesion to the Respiratory Epithelium

Eishika Dissanayake, PhD

2:15 Staphylococcus Aureus Disruption of Keratinocytes in Atopic Dermatitis

Olivia Steidl

2:25 Are skin microbes with lantibiotic biosynthesis genes reduced in atopic dermatitis subjects who are culture positive for Staphylococcus Aureus?

Jessica L. Forman, BS MA

2:35 Fecal Microbiome Changes in Response to Airway Exposure to Environmental Peanut in Household Dust Suggests a Lung-Gut Axis

Johanna Smeekens, PhD

2:45 Gut Bacterial-Derived 12,13-diHOME Promotes Inflammatory Macrophage Polarization and Epigenetic Modifications

Din L. Lin

In-Person Oral Abstract Session

4607 Insights to the Development and Management of Difficult to Control Asthma

2:00 to 3:15 pm

Convention Center, West Building, 300 Level, Room 301D

Credits: 1.25 CME/CE

Moderators: TBD

TBD

2:05 Early Life Risk Factors for Lung Function During Childhood and Adolescence

Caitlan Murphy, MD

2:15 Clinical and Molecular Implications of RGS2 Promoter Genetic Variation in Severe Asthma

Juan Carlos Cardet, MD

2:25 Longitudinal Adherence to Inhaled Corticosteroids in Pediatric Patients with Difficult to Control Asthma

Rachelle R. Ramsey, PhD

2:35 Impact of Electronic Medication Monitoring on Pediatric Asthma Severity and Control in a Real-World Multidisciplinary Clinic

Matthew R. McCulloch, MD

2:45 Differences in Medication Adherence by Dosing Schedule Among Patients with Asthma

Heather Hoch, MD

Monday Scientific Program



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In-Person Workshop

- 4701 Improving the Pediatric Asthma Visit: Tools for Obtaining a History, Correct Diagnosis and Treatment Plan**

3:30 to 4:45 pm

Convention Center, North Building, 100 Level, Room 122A
Credits: 1.25 CME/CE

3:30 Introduction

Maria Crain, RN MA CPNP

3:35 Obtaining a Thorough Asthma History in the Pediatric Patient

Jeffrey Chambliss, MD

4:15 Obtaining a Thorough Asthma History in the Pediatric Patient

Alysa Ellis, MD FAAAAI

4:35 Question & Answer

Maria Crain, RN MA CPNP

In-Person Workshop

- 4702 Treatment Algorithms for Difficult to Control Asthma in Diverse Populations**

3:30 to 4:45 pm

Convention Center, North Building, 200 Level, Room 221A
Credits: 1.25 CME/CE

3:30 Introduction

Stanley J. Szefler, MD FAAAAI

3:35 Evaluation and Management Algorithms for Children, Adolescents and Adults

Paul V. Williams, MD FAAAAI

3:55 Evaluation and Management Considerations in Ethnically Diverse Populations

Michael E. Wechsler, MD

4:15 Comparisons Among Diverse Environments: A Global Perspective

Helen K. Reddel, MBBS PhD

4:35 Question & Answer

Stanley J. Szefler, MD FAAAAI

In-Person Workshop

- 4704 Contributions of Eosinophils to Health and Allergy**

3:30 to 4:45 pm

Convention Center, North Building, 200 Level, Room 222A

Credits: 1.25 CME/CE

3:30 Introduction

Anne Marie Singh, MD

3:35 Role of the Eosinophil in Asthma, Including Severe Asthma

Sameer K. Mathur, MD PhD FAAAAI

3:55 Understanding Eosinophil Biology and Heterogeneity

Lisa A. Spencer, PhD

4:15 Targeting Eosinophils in Treatment of Disease

Bruce S. Bochner, MD FAAAAI

4:35 Question & Answer

Anne Marie Singh, MD

In-Person Workshop

- 4705 New Insights Into Work-Related Hazards**

3:30 to 4:45 pm

Convention Center, North Building, 200 Level, Room 227A

Credits: 1.25 CME/CE

3:30 Introduction

Jill A. Poole, MD FAAAAI

4:15 Reactions to COVID-19 Vaccines Among Health Care Providers and the Role of Excipients

Santiago Quirce, MD PhD

4:35 Question & Answer

Jill A. Poole, MD FAAAAI

In-Person Seminar

- 4711 Monoclonal Antibodies (MABS) for Kids: Picking the Right Biologic Therapy for Children with Severe Asthma**

3:30 pm to 4:30 pm

Sheraton, Second Level, Maryvale B

Pre-registration and ticket required. Fee: \$40

Credits: 1.00 CME/CE

*Instructors: Will J. Sheehan, MD FAAAAI
Jonathan M. Gaffin, MD*

In-Person Seminar

- 4712 Component Resolved Diagnostics in Pet Allergies**

3:30 to 4:30 pm

Sheraton, Second Level, Camelback A

Pre-registration and ticket required. Fee: \$40

Credits: 1.00 CME/CE

*Instructors: Andrew H. Liu, MD FAAAAI
Jay M. Portnoy, MD FAAAAI*

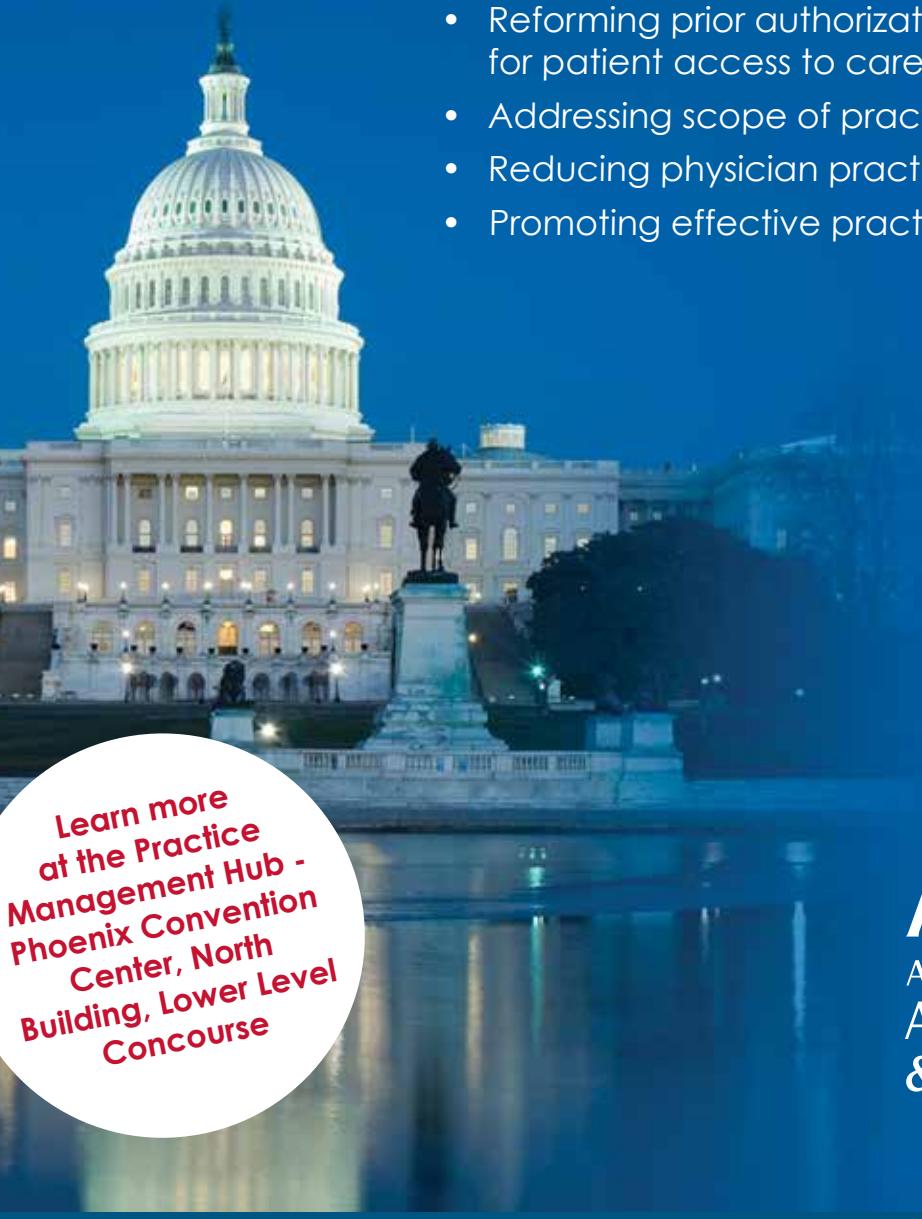
Monday, February 28

Supporting every area of your practice every day

2022 Advocacy Priorities

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

- Facilitating patient access to evidence based care
- Securing research appropriations
- Impacting physician reimbursement
- Reforming prior authorization and reducing barriers for patient access to care
- Addressing scope of practice and transparency
- Reducing physician practice burden, and
- Promoting effective practice



Learn more
at the Practice
Management Hub -
Phoenix Convention
Center, North
Building, Lower Level
Concourse



Because **Practice Matters!** to the AAAAI

Pre-Recorded Scientific Sessions



American Academy of
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Pre-Recorded Course

5001 Microbial Contribution to Asthma Pathogenesis ▼

Credits: 3.00 CME/CE

The Early Airway Microbiome, Lung Function and Wheeze

Instructor Pre-Recorded: Kirsten M. Kloepfer, MD MS FAAAAI

The Gut Microbiome and the Development of Asthma

Instructor Pre-Recorded: Padmaja Subbarao, MD

Mechanisms of Microbial Modulation of the Airway Immune Response

Instructor Pre-Recorded: Harald E. Renz, MD FAAAAI

Microbial Intervention for Prevention/Treatment of Asthma

Instructor Pre-Recorded: Benjamin Marsland, PhD

Microbiome and Asthma Exacerbations

Instructor Pre-Recorded: James E. Gern, MD FAAAAI

Pre-Recorded Course

5002 The Impact of Air Pollution and Climate Change in Viral, Fungal and Bacterial Airways Infection ▼

Credits: 3.00 CME/CE

Climate change and Air Pollution as Risk Factors for Respiratory Viral Infections: Epidemiology and Mechanisms

Primary Speaker - Pre-Recorded: Allison J. Burbank, MD

Pre-Recorded Course

5003 Asthma: The Basics of Medical Education Strategies from Instructional Design to Disparities ▼

Credits: 3.00 CME/CE

Medical Education and Patient Care Disparities

Instructor Pre-Recorded: Lily Pien, MD FAAAAI

Group Teaching Methods

Instructor Pre-Recorded: Jason Kwah, MD

Writing of Educational Objectives

Instructor Pre-Recorded: Marie Cavuoto Petrizzo, MD MSEd FAAAAI

AAAAI Education Endeavors

Instructor Pre-Recorded: Steven Folstein, MFA M.Ed

Instructional Design: Putting it Together

Instructor Pre-Recorded: Jesus R. Guajardo, MD FAAAAI

Pre-Recorded Course

5004 Workforce Challenges in Allergy/Immunology ▼

Credits: 3.00 CME/CE

Describe Racial Disparities in Medicine and Our Biases as Allergists

Instructor Pre-Recorded: Margee Louisias, MD MPH

Analyze Workforce Gender Equity in Academic Medicine and Allergy/Immunology

Instructor Pre-Recorded: Corinne Keet, MD MS PhD

Assess Physician Burnout and Establish Strategies to Create a Wellness Culture

Instructor Pre-Recorded: Gailen D. Marshall, MD PhD

Pre-Recorded Symposium

5101 A Bench to Bedside View of Drug Hypersensitivity ▼

Credits: 1.25 CME/CE

A New Paradigm for Prediction, Prevention, Diagnosis and Treatment of Drug Hypersensitivity

Primary Speaker - Pre-Recorded: Elizabeth J. Phillips, MD FAAAAI FIDSA

Discovery of HLA-DRB1*15-Associated Severe Delayed Reaction to IL-1 and IL-6 Inhibitors

Primary Speaker - Pre-Recorded: Vivian E. Saper, MD FAAAAI

FDA Surveillance of Postmarketing Adverse Event Reports and Drug Safety

Primary Speaker - Pre-Recorded: Jamie R. Klucken, PharmD MBA BCPS BCACP

Pre-Recorded Symposium

5102 Stay Current with Drug Hypersensitivity ▼

Credits: 1.25 CME/CE

Pediatric Antibiotic Allergies

Primary Speaker - Pre-Recorded: Allison E. Norton, MD FAAAAI

Vaccine Reactions

Primary Speaker - Pre-Recorded: Anna R. Wolfson, MD

Perioperative Reactions

Primary Speaker - Pre-Recorded: Alexei Gonzalez-Estrada, MD

Pre-Recorded Symposium

5103 "Is it Just Me or Does My Throat Feel Tight?": Considering Mimickers of Anaphylaxis ▼

Credits: 1.25 CME/CE

Mimickers of Anaphylaxis in Food and Drug Allergy

Primary Speaker - Pre-Recorded: Timothy Chow, MD

Management of Vocal Cord Dysfunction

Primary Speaker - Pre-Recorded: Amy Harris, SLP

Management of Anxiety-Related Disorders in the Setting of Immediate Hypersensitivity Reactions

Primary Speaker - Pre-Recorded: Ashley Ramos, PhD

Pre-Recorded Symposium

5104 Defining and Managing Anaphylaxis in 2022 ▼

Credits: 1.25 CME/CE

Defining Anaphylaxis: Through the Years and Around the World

Primary Speaker - Pre-Recorded: Ronna L. Campbell, MD, PhD

Anaphylaxis Outcomes: Characterizing Persistent, Refractory and Biphasic Reactions

Primary Speaker - Pre-Recorded: Tim Dribin, MD

Antihistamines and Glucocorticoids in Anaphylaxis: Where Do They Fit?

Primary Speaker - Pre-Recorded: Moshe Ben-Shoshan, MD FAAAAI

Pre-Recorded Scientific Sessions



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Pre-Recorded Symposium

5105 What Does Anaphylaxis Look Like in Infants and Toddlers? ▼

Credits: 1.25 CME/CE

Prevalence of Infant Anaphylaxis

Primary Speaker - Pre-Recorded: Julie Wang, MD FAAAAI

Caregiver Perspectives on Signs and Symptoms of Anaphylaxis

Primary Speaker - Pre-Recorded: Michael Pistiner, MD MMSc

Lessons Learned from Infants and Toddlers Undergoing Immunotherapy

Primary Speaker - Pre-Recorded: Edmond S. Chan, MD FAAAAI

Pre-Recorded Symposium

5106 Are You What You Eat in Atopy and Autoimmunity? ▼

Credits: 1.25 CME/CE

Diet, Obesity and the Microbiome in Asthma

Primary Speaker - Pre-Recorded: Erick Forno, MD MPH

Dietary Interventions and the Microbiome in Atopic Dermatitis Disease

Primary Speaker - Pre-Recorded: Maria Luz L. Lara-Marquez, MD PhD

The Anti-Inflammatory Diet and Oral Microbiome in Rheumatoid Arthritis

Primary Speaker - Pre-Recorded: Monica Guma

Pre-Recorded Symposium

5107 Beyond Short-Acting Bronchodilator (SABA): Next-Line and Adjunct Treatments for Exercise-Induced Bronchoconstriction (EIB) ▼

Credits: 1.25 CME/CE

Update on Exercise-Induced Bronchoconstriction (EIB) Knowledge Since Practice Parameters

Primary Speaker - Pre-Recorded: Justin C. Greive, MD FAAAAI

Medications and EIB: Inhalers, Montelukast, Theophylline/Caffeine

Primary Speaker - Pre-Recorded: Christopher C. Randolph, MD FAAAAI

Integrative Non-Pharmacologic Therapy for EIB

Primary Speaker - Pre-Recorded: Israel Amirav, MD

Pre-Recorded Symposium

5108 Managing Metabolic Dysfunction in Asthma: An Opportunity for Improvement ▼

Credits: 1.25 CME/CE

Clinical Epidemiology of Patients with Comorbid Asthma and Type 2 Diabetes

Primary Speaker - Pre-Recorded: Tianshi D. Wu, MD MHS

Phenotyping Asthma in Patients with Obesity and Diabetes

Primary Speaker - Pre-Recorded: Michael C. Peters, MD

Drug Repurposing for Patients with Asthma: Re-Evaluating Our Armamentarium

Primary Speaker - Pre-Recorded: Dinah Foer, MD

Pre-Recorded Symposium

5109 Childhood Asthma: How Does it Begin? Can We Prevent it? ▼

Credits: 1.25 CME/CE

Asthma Inception: Infectious Agents and Antibiotics Interplay

Primary Speaker - Pre-Recorded: Avraham Beigelman, MD MSci FAAAAI

Vitamins, Metabolites and Asthma Inception

Primary Speaker - Pre-Recorded: Kathleen Lee-Sarwar, MD, MS

Not Only Physical Factors: The Role of Stressogenic Environment

Primary Speaker - Pre-Recorded: Sima K. Ramratnam, MD MPH

Pre-Recorded Symposium

5110 Is Severe Asthma Management Different Across the Age Spectrum? ▼

Credits: 1.25 CME/CE

Special Considerations in the Management of Severe Asthma in Older Adults

Primary Speaker - Pre-Recorded: Alan P. Baptist, MD MPH FAAAAI

Special Considerations in the Management of Severe Asthma in the Adolescence

Primary Speaker - Pre-Recorded: Caroline Horner, MD FAAAAI

Special Considerations in the Management of Severe Asthma in the Preschool- and School-Aged Child

Primary Speaker - Pre-Recorded: Ronina Covar, MD FAAAAI

Pre-Recorded Symposium

5111 Biologic Selection in Patients with Asthma, Allergic Rhinitis and Atopic Dermatitis ▼

Credits: 1.25 CME/CE

Approach to Switching Biologic Therapy and the Concept of Multiple Therapies

Primary Speaker - Pre-Recorded: Thomas B. Casale, MD FAAAAI

Asthma Biologic Selection and Impact on Other Atopic Disorders

Primary Speaker - Pre-Recorded: Mario Castro, MD MPH

Existing and New Biologics for Atopic Dermatitis and Beyond

Primary Speaker - Pre-Recorded: James T. Li, MD PhD FAAAAI

Pre-Recorded Symposium

5112 Recognizing and Treating Interstitial Lung Disease in Primary Immunodeficiency ▼

Credits: 1.25 CME/CE

Role of the Pulmonologist in Diagnosis

Primary Speaker - Pre-Recorded: Alicia Casey, MD

Pathology Diagnosis of Interstitial Lung Disease

Primary Speaker - Pre-Recorded: Sara Vargas, MD

Disease Targeted Therapy for Management of Primary Immune Deficiency Associated Interstitial Lung Disease

Primary Speaker - Pre-Recorded: Tory R. Torgerson, MD PhD

Pre-Recorded Scientific Sessions



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Pre-Recorded Symposium

5113 Immune Pathway Targeting with Biologics for the Treatment of Inflammatory Conditions ▼

Credits: 1.25 CME/CE

Targeting IL-6 and IL-17 Pathways in Autoimmune Disease

Primary Speaker - Pre-Recorded: Eveline Y. Wu, MD MSCR

Biologics Targeting T Cells: Outcomes and Adverse Effects

Primary Speaker - Pre-Recorded: Mandy L. Ford, PhD

B Cell Targeted Therapy and Immune Consequences

Primary Speaker - Pre-Recorded: Iris M. Otani, MD FAAAAI

Pre-Recorded Symposium

5114 The Role of the Immune System in Severe COVID-19 Infections ▼

Credits: 1.25 CME/CE

Role of NF-κB2 Loss of Function and Development of Severe COVID-19 Disease

Primary Speaker - Pre-Recorded: Roshini S. Abraham, PhD D(ABMLI) FAAAAI

United Kingdom Experience of Primary Immunodeficiency vs. Symptomatic Secondary Immunodeficiency and Severity of COVID-19 Disease

Primary Speaker - Pre-Recorded: Adrian Shields, MBBS MRCP

Role of Autoantibodies on Interferon Production and Development of Severe COVID-19 Disease

Primary Speaker - Pre-Recorded: Helen C. Su, MD

Pre-Recorded Symposium

5115 Hot New Defects in Clinical Immunology ▼

Credits: 1.25 CME/CE

Hot New Defects in Combined Immunodeficiency

Primary Speaker - Pre-Recorded: TBD

Hot New Defects in Autoinflammatory Disorders

Primary Speaker - Pre-Recorded: Hal M. Hoffman, MD

Hot New Defects in Antibody Disorders

Primary Speaker - Pre-Recorded: Neil D. Romberg, MD

Pre-Recorded Symposium

5116 Improving Adherence and Outcomes for the Difficult-to-Treat Asthma Patient ▼

Credits: 1.25 CME/CE

Electronic Medication Monitoring: Beyond Adherence

Primary Speaker - Pre-Recorded: William C. Anderson, MD FAAAAI

Diagnosing adherence Status: The Role of Digital Sensors

Primary Speaker - Pre-Recorded: Amy Chan, PhD

Clinical and Digital Strategies to Promote Medication Adherence for Patients with Asthma

Primary Speaker - Pre-Recorded: Benjamin T. Prince, MD MCSI FAAAAI

Pre-Recorded Symposium

5117 Harnessing Available Data in Answering Important Questions About Allergic/Immunologic Diseases ▼

Credits: 1.25 CME/CE

Overview of the Data Sources Currently Used for Allergy/Immunology Research in the Current Peer Reviewed Literature

Primary Speaker - Pre-Recorded: Ayobami Akenroye, MD MPH

Use of National and Publicly Available Surveys

Primary Speaker - Pre-Recorded: Corinne Keet, MD MS PhD

Leveraging Longitudinal Data From Consortia/Clinical Trial Networks

Primary Speaker - Pre-Recorded: James E. Gern, MD FAAAAI

Pre-Recorded Symposium

5118 Joint Task Force on Practice Parameters (JTFPP) Guidelines: Practice Parameters, Guidelines, and Updates ▼

Credits: 1.25 CME/CE

Rhinitis Practice Parameter Update

Primary Speaker - Pre-Recorded: Desiree E. Larenas-Linnemann, MD FAAAAI

Drug Allergy Practice Parameter Update

Primary Speaker - Pre-Recorded: David Khan, MD FAAAAI

Sinusitis Grading of Recommendations Assessment, Development and Evaluation (GRADE) Guideline

Primary Speaker - Pre-Recorded: Matthew A. Rank, MD FAAAAI

Pre-Recorded Symposium

5119 Partnering with Federally Qualified Health Centers (FQHCs) to Advance Research, Education and Specialty Care in Allergy/Immunology for Underserved Patients with Uncontrolled Asthma ▼

Credits: 1.25 CME/CE

Engagement with FQHCs for Advancing Research in Allergy/Immunology

Primary Speaker - Pre-Recorded: Maureen George, PhD RN AE-C

Teaching Allergy/Immunology in Community-Based Venues

Primary Speaker - Pre-Recorded: Margaret Huntwork, MD

Pre-Recorded Symposium

5120 Health Disparity and its Devastating Impact on Patients Who Have Combined Chronic Airways Disease: Chronic Rhinosinusitis (CRS) and Asthma ▼

Credits: 1.25 CME/CE

Pollution and Socioeconomic Risk Factors Associated with Worse Outcomes in Patients with Combined Chronic Airways Diseases (CRS+Asthma)

Primary Speaker - Pre-Recorded: Seong Ho Cho, MD FAAAAI

Efficient and Staffiness Management Practices for CRS+ Asthma Patients Addressing Barriers to Care

Primary Speaker - Pre-Recorded: Mahboobeh Mahdavinia, MD PhD

Pre-Recorded Scientific Sessions



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Pre-Recorded Symposium

5121 COVID-19 and its Link to Upper Airway Inflammation ▼

Credits: 1.25 CME/CE

Clinical Relevance of Atopy and Allergic Rhinitis in COVID-19

Primary Speaker - Pre-Recorded: Anjeni Keswani, MD FAAAAI

Type 2 Inflammation and its Impact On Airway Inflammation in COVID-19

Primary Speaker - Pre-Recorded: Monica Kraft, MD FAAAAI

Smell Loss in COVID-19: Pathogenesis and Clinical Relevance

Primary Speaker - Pre-Recorded: Mahboobeh Mahdavini, MD PhD

Pre-Recorded Symposium

5122 Refractory Asthma: Can They Smell the Roses? ▼

Credits: 1.25 CME/CE

Identify Causes of Hyposmia/Anosmia and How These Etiologies

Impact Asthma Management

Primary Speaker - Pre-Recorded: Jose L. Mattos, MD MPH

The Role of Smell Hypersensitivity in Irritable Larynx Syndrome and Management, and its Overlap in Asthma

Primary Speaker - Pre-Recorded: Patrick McGarey, Jr., MD

Pre-Recorded Symposium

5123 Evolving Choosing Wisely: Identifying Vulnerabilities in Allergy/Immunology Care ▼

Credits: 1.25 CME/CE

High and Low Value Choosing Wisely Allergy Practices

Primary Speaker - Pre-Recorded: Elisa M. Abrams, MD FRCPC

How To Define and Measure Cost Effective Practices in Allergy

Primary Speaker - Pre-Recorded: Marcus S. Shaker, MD MS FAAAAI

How the COVID-19 Pandemic Has Caused A Shift in Choosing Wisely Practices Moving Forward

Primary Speaker - Pre-Recorded: David Stukus, MD FAAAAI

Pre-Recorded Symposium

5124 Structural Racism and COVID-19: Lessons Learned About Achieving Racial Equity in Research, Vaccine Uptake and Asthma ▼

Credits: 1.25 CME/CE

More than the Tuskegee Experiment: Improving Diversity in COVID-19 Clinical Trials

Primary Speaker - Pre-Recorded: Akilah A. Jefferson, MD MSc

Consequences of Interpersonal Discrimination, Perceived Stress, and Community Violence in Asthma Outcomes During COVID-19

Primary Speaker - Pre-Recorded: Rosalind J. Wright, MD MPH

Vaccine Hesitancy vs. Vaccine Access: Equitable COVID-19 Vaccine Distribution and Uptake

Primary Speaker - Pre-Recorded: Tukisa Smith, MD MS

Pre-Recorded Symposium

5125 Personalized Medicine and Rhinitis ▼

Credits: 1.25 CME/CE

Endotypes and Phenotypes of Rhinitis

Primary Speaker - Pre-Recorded: Peter W. Hellings, MD

Biomarkers for Allergy Immunotherapy (AIT)

Primary Speaker - Pre-Recorded: Stephen R. Durham, MA MD FRCP

WAO, ARIA and GA2LEN Consensus on Molecular-Based Allergy Diagnosis

Primary Speaker - Pre-Recorded: Ignacio J. Ansotegui, MD PhD

Pre-Recorded Symposium

5126 Allergen Diagnostics: Component Testing for Respiratory Allergens ▼

Credits: 1.25 CME/CE

Component-Resolved Diagnostics in Pet, Pollen and Venom Immunotherapy Composition

Primary Speaker - Pre-Recorded: Joaquin Sastre, MD PhD FAAAAI

Available Allergens for Component Diagnostics and Use in Clinical Practice

Primary Speaker - Pre-Recorded: Jay M. Portnoy, MD FAAAAI

Pre-Recorded Symposium

5127 Diagnosis in Allergic Respiratory Diseases: Beyond Detection of Immunoglobulin E (IgE) ▼

Credits: 1.25 CME/CE

Challenge Testing in the Post-COVID-19 Era

Primary Speaker - Pre-Recorded: Antonella Cianferoni, MD PhD FAAAAI

Nasal Challenge Tests: Readouts Beyond Symptom Scores

Primary Speaker - Pre-Recorded: Mohamed H. Shamji, BSc MSc PhD FAAAAI

Pre-Recorded Symposium

5128 Non-Surgical Treatment for Chronic Rhinosinusitis with Nasal Polyps (CRSwNP) ▼

Credits: 1.25 CME/CE

Chronic Sinusitis with Nasal Polyp Pathophysiology

Primary Speaker - Pre-Recorded: Andrew P. Lane, MD

Treatment and Evidence for Non-Surgical Management of Nasal Polyps

Primary Speaker - Pre-Recorded: Anju T. Peters, MD MSci FAAAAI

Application of Treatment Choices for Nasal Polyps

Primary Speaker - Pre-Recorded: Peter W. Hellings, MD

Pre-Recorded Scientific Sessions



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Pre-Recorded Symposium

5129 Updates from the Bench: Novel Insights into The Pathophysiology of Chronic Rhinosinusitis (CRS) and Potential Applications for Clinical Therapies ▼

Credits: 1.25 CME/CE

The Role of B Cells and Antibodies in Chronic Rhinosinusitis Pathogenesis

Primary Speaker - Pre-Recorded: Kathleen M. Buchheit, MD FAAAAI

The Importance of Granulocytes in Chronic Rhinosinusitis Pathogenesis

Primary Speaker - Pre-Recorded: Whitney W. Stevens, MD PhD FAAAAI

Addressing Barrier Dysfunction in Chronic Rhinosinusitis

Primary Speaker - Pre-Recorded: Nora A. Barrett, MD FAAAAI

Pre-Recorded Symposium

5130 Endotypes and Phenotypic Implications of Chronic Rhinosinusitis (CRS) ▼

Credits: 1.25 CME/CE

Variations in Inflammatory Endotypes in Chronic Rhinosinusitis

Primary Speaker - Pre-Recorded: Justin Turner, MD

The Relationship Among Surgical Outcomes, Phenotypes and Endotypes in Chronic Rhinosinusitis

Primary Speaker - Pre-Recorded: Bruce K. Tan, MD MS

Impact of Chronic Rhinosinusitis Endotypes and Phenotypes on the Lower Airway

Primary Speaker - Pre-Recorded: Whitney W. Stevens, MD PhD FAAAAI

Pre-Recorded Symposium

5131 Multidisciplinary Approach to the Management of Chronic Rhinosinusitis ▼

Credits: 1.25 CME/CE

Step-Wise Approach for the Management of CRSwNP

Primary Speaker - Pre-Recorded: Jivianne K. Lee, MD

Innovative Medical Management of CRSwNP

Primary Speaker - Pre-Recorded: Daniel L. Hamilos, MD

Pre-Recorded Symposium

5132 Human Group 2 Innate Lymphoid Cells (ILC2s): Rapidly Moving into Clinical Relevance ▼

Credits: 1.25 CME/CE

Human Lung-Specific ILC2 Imprinting Using Single-Cell RNA-Sequencing

Primary Speaker - Pre-Recorded: Jenny Mjosberg

Induction of IL-10+ ILC2s During Allergen Immunotherapy

Primary Speaker - Pre-Recorded: Mohamed H. Shamji, BSc MSc PhD FAAAAI

Pre-Recorded Symposium

5133 Allied Health: The Challenges of Food Challenges: the Good, the Bad and the Ugly ▼

Credits: 1.25 CME/CE

Guidance on Difficulties with Food Challenge Administration Including Anxiety and Food Refusal

Primary Speaker - Pre-Recorded: Megan Ott Lewis, MSN CRNP

Improving your Clinical Practice: Understanding Different Types of Food Challenges and Their Associated Procedures

Primary Speaker - Pre-Recorded: Christopher P. Parrish, MD FAAAAI

Issues Related to Food Challenges for Pediatric Age Groups: Infancy, Childhood and Adolescence

Primary Speaker - Pre-Recorded: Amanda L. Cox, MD FAAAAI

Pre-Recorded Symposium

5134 Allied Health: Research Studies and Oral Immunotherapy (OIT): One Size Does Not Fit All ▼

Credits: 1.25 CME/CE

Difficulties with Research Food OIT: Tips and Tricks to Help the Research Staff Improve Compliance During Administration

Primary Speaker - Pre-Recorded: Jaime E. Ross, RN MSN

Which Patients are Best for Food Allergy Research OIT Programs?

Identification of Patients Best Suited for an OIT Program

Primary Speaker - Pre-Recorded: Amy Arneson, RN

Food Allergy Research OIT: Common Issues Affecting the Research Coordinator and Best Practices

Primary Speaker - Pre-Recorded: Kaylee D. Lirely, BSN RN

Pre-Recorded Symposium

5135 Allied Health: Asthma and Obesity ▼

Credits: 1.25 CME/CE

The Role of the Maternal and Infant Diet in Asthma Prevention

Primary Speaker - Pre-Recorded: Carina Venter, PhD RD

The Role of Weight Status in Asthma Management

Primary Speaker - Pre-Recorded: Alexia K. Beauregard, MS RD CSP LD

Pre-Recorded Symposium

5136 Allied Health: Food Insecurity in the Food Allergic Population ▼

Credits: 1.25 CME/CE

How and Why to Screen for Food Insecurity

Primary Speaker - Pre-Recorded: Jodi A. Shroba, MSN APRN CPNP

How Can We Help Our Food Insecure Patients

Primary Speaker - Pre-Recorded: Emily Brown

Food Insecurity: How Big is the Problem?

Primary Speaker - Pre-Recorded: Ruchi S. Gupta, MD MPH

Pre-Recorded Scientific Sessions



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Pre-Recorded Symposium

- 5137 Allied Health: Immunoglobulin E (IgE) or Not**
Immunoglobulin E (IgE): This is the Dilemma - Emerging Food Allergies
- Credits: 1.25 CME/CE
- Food Protein Enterocolitis: At the Crossroads Between IgE and Non-IgE Mediated Food Allergy**
Primary Speaker - Pre-Recorded: Anna H. Nowak-Wegrzyn, MD PhD FAAAAI
- Eosinophilic Esophagitis: A Non-IgE Mediated Food Allergy That Affects Mostly Atopic Individuals**
Primary Speaker - Pre-Recorded: Antonella Cianferoni, MD PhD FAAAAI
- What if it Is Not Food Allergy: Differential Diagnosis**
Primary Speaker - Pre-Recorded: Mirna Chehade, MD MPH FAAAAI

Pre-Recorded Symposium

- 5139 Allied Health: You Down with Regulatory, Yeah You Know Me**
- Credits: 1.25 CME/CE
- IRB Issues Affecting the Allergy Research Coordinator**
Primary Speaker - Pre-Recorded: Kim E. Mudd, RN MSN CCRP
- Strategies to Manage Research Monitoring and Good Clinical Practice for the Coordinator**
Primary Speaker - Pre-Recorded: Elizabeth Johnson, LPN

Pre-Recorded Symposium

- 5140 Allied Health: Let the Babies Eat! How Healthcare Professionals Can Motivate Parents to Prevent Food Allergies**
- Credits: 1.25 CME/CE
- 2020 USDA Guidelines for Early Introduction of Food Allergens and Prevention**
Primary Speaker - Pre-Recorded: Carina Venter, PhD RD
- Practical Application to Meet Guidelines and Transition Into a Life-Long Healthy Dietary Pattern**
Primary Speaker - Pre-Recorded: Marion E. Groetch, MS RDN
- Motivational Interviewing Related to Food Allergy Prevention**
Primary Speaker - Pre-Recorded: Jennifer S. Lebovidge, PhD

Pre-Recorded Symposium

- 5141 Allied Health: Oral Immunotherapy to Foods: It Takes a Village**
- Credits: 1.25 CME/CE
- When Oral Immunotherapy Goes Off Track**
Primary Speaker - Pre-Recorded: Kim E. Mudd, RN MSN CCRP
- Developing the Food Equivalent Protocols**
Primary Speaker - Pre-Recorded: Marion E. Groetch, MS RDN
- Shared Decision Making to Select and Prepare Food Allergic Patients For an Oral Immunotherapy Program**
Primary Speaker - Pre-Recorded: Amanda L. Cox, MD FAAAAI

Pre-Recorded Symposium

- 5142 Allied Health: Demystifying Epinephrine**
- Credits: 1.25 CME/CE
- Being Comfortable with Epinephrine in All Scenarios: Food Challenges, Home and School**
Primary Speaker - Pre-Recorded: Jennifer Fishman, RN BSN
- A Deep Dive into Epinephrine as a Medication for the Treatment of Anaphylaxis**
Primary Speaker - Pre-Recorded: Lauren Herlihy, RN MSN CPNP
- Epinephrine and the Anaphylaxis Guidelines**
Primary Speaker - Pre-Recorded: Amanda S. Troger, BSN RN

Pre-Recorded Symposium

- 5143 Recent Advancements in the Mechanisms of Chronic Rhinosinusitis (CRS)**
- Credits: 1.25 CME/CE
- Type 2 Inflammation in Chronic Rhinosinusitis**
Primary Speaker - Pre-Recorded: Taylor A. Doherty, MD FAAAAI
- Non-Type 2 Inflammation in Chronic Rhinosinusitis**
Primary Speaker - Pre-Recorded: Atsushi Kato, PhD
- Coagulation and Nasal Polyp Formation**
Primary Speaker - Pre-Recorded: Tetsuji Takabayashi, MD PhD

Pre-Recorded Symposium

- 5144 COVID-19 and Allergen Immunotherapy**
- Credits: 1.25 CME/CE
- The Interplay Between COVID-19 Infection and Immunotherapy**
Primary Speaker - Pre-Recorded: Desirée E. Larenas-Linnemann, MD FAAAAI
- Lessons Learned From The COVID-19 Pandemic From the National Immunotherapy Surveillance Study**
Primary Speaker - Pre-Recorded: Tolly Epstein, MD MS FAAAAI
- Dose Adjustment After Gaps in Immunotherapy**
Primary Speaker - Pre-Recorded: Punita Ponda, MD FAAAAI

Pre-Recorded Workshop

- 5201 Problems in the Diagnosis and Management of Insect Allergy**
- Credits: 1.25 CME/CE
- Which Tests Should I Do (and How Many)?**
Instructor Pre-Recorded: James M. Quinn, MD FAAAAI
- Beta Blockers and ACE Inhibitors, Oh No!**
Instructor Pre-Recorded: David B. Golden, MD FAAAAI
- Should I Test This Patient (or Why Not)?**
Instructor Pre-Recorded: James M. Tracy, DO FAAAAI

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5202 Asthma Exacerbations in Childhood: Risk Factors, Consequences, Causes and Ways to Alter Them ▼

Credits: 1.25 CME/CE

Risk Factors and Consequences of Asthma Exacerbations in Childhood

Instructor Pre-Recorded: Daniel J. Jackson, MD FAAAAI

Infectious Causes of Asthma Exacerbations

Instructor Pre-Recorded: Joshua L. Kennedy, MD FAAAAI

Non-Infectious Causes of Asthma Exacerbations

Instructor Pre-Recorded: Matthew C. Altman, MD

Pre-Recorded Workshop

5203 Viral Vaccines for Asthma ▼

Credits: 1.25 CME/CE

Therapeutic Monoclonal Antibodies to Respiratory Viruses

Instructor Pre-Recorded: James Crowe, Jr., MD

Pre-Recorded Workshop

5204 The Know-How of Immunoglobulin Replacement Therapy and Management ▼

Credits: 1.25 CME/CE

The Know-How of Immunoglobulin Replacement Therapy and Management

Instructor Pre-Recorded: Kelli W. Williams, MD MPH FAAAAI

The Know-How of Immunoglobulin Replacement Therapy and Management

Instructor Pre-Recorded: Monica G. Lawrence, MD FAAAAI

The Know-How of Immunoglobulin Replacement Therapy and Management

Instructor Pre-Recorded: Bob Geng, MD

Pre-Recorded Workshop

5205 Antibody Deficiency Syndromes and Lung Disease ▼

Credits: 1.25 CME/CE

Antibody Deficiency in Patients with Chronic Obstructive Pulmonary Disease (COPD) Exacerbations

Instructor Pre-Recorded: Antoine Azar, MD FAAAAI

End-Stage Lung Disease and Transplant in Antibody Deficiency

Instructor Pre-Recorded: Andrej A. Petrov, MD FAAAAI

Pre-Recorded Workshop

5206 Diagnosis and Management of Secondary Hypogammaglobulinemia ▼

Credits: 1.25 CME/CE

Diagnosis and Management of Secondary Hypogammaglobulinemia

Instructor Pre-Recorded: Sara Barmettler, MD

Diagnosis and Management of Secondary Hypogammaglobulinemia

Instructor Pre-Recorded: Antoine Azar, MD FAAAAI

Diagnosis and Management of Secondary Hypogammaglobulinemia

Instructor Pre-Recorded: Mildred Kwan, MD PhD FAAAAI

Pre-Recorded Workshop

5207 Vaccination and the Allergist/Immunologist ▼

Credits: 1.25 CME/CE

The Role of the Allergist/Immunologist in Adverse Vaccine Reactions

Instructor Pre-Recorded: Ashwini Reddy, MD FAAAAI

Utilization of Vaccines in Special Populations

Instructor Pre-Recorded: Cosby A. Stone, MD MPH

Emerging Vaccines at Home and Abroad

Instructor Pre-Recorded: Reena S. Mehta, MD FAAAAI

Pre-Recorded Workshop

5208 The Role of Fungi in Difficult to Control Asthma ▼

Credits: 1.25 CME/CE

Can We Improve the Criteria for Diagnosis of Allergic Bronchopulmonary Aspergillosis (ABPA)? An Update on Diagnostics in ABPA and Fungal Associated Difficult to Control Asthma

Instructor Pre-Recorded: Paul A. Greenberger, MD FAAAAI

Developments in the Management of Fungal-Associated Difficult to Control Asthma: The Possible Role of Biologics and Inhaled Antifungals

Instructor Pre-Recorded: Richard B. Moss, MD

Pre-Recorded Workshop

5209 Dynamic Interactions of Pollen and the Environment with Allergic and Respiratory Disease ▼

Credits: 1.25 CME/CE

Aerobiology and Climate Change

Instructor Pre-Recorded: Gennaro D'Amato, MD FAAAAI

Pollen Impact on COVID-19

Instructor Pre-Recorded: Claudia Traidl-Hoffmann, MD

Pre-Recorded Workshop

5210 How an Engaging Allergy/Immunology Elective Grows Your Practice and Our Specialty ▼

Credits: 1.25 CME/CE

Teaching Resources to Enhance Your Elective

Instructor Pre-Recorded: Allyson S. Larkin, MD FAAAAI

Tips and Tricks on Teaching a New Generation of Learners

Instructor Pre-Recorded: Laura J. West, MD

Assessing Learner Performance and Giving Effective Feedback

Instructor Pre-Recorded: Tricia D. Lee, MD

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5211 AllergoOncology: The Link Between Immunology, Allergy and Oncology ▼

Credits: 1.25 CME/CE

AllergoOncology: The Link Between Immunology, Allergy and Oncology

Instructor Pre-Recorded: Sophia N. Karagiannis, PhD

IgE Deficiency as a Possible Biomarker for Malignancy Susceptibility

Instructor Pre-Recorded: Denisa E. Ferastraaru, MD

Danger Signals in Allergy and Oncology

Instructor Pre-Recorded: Aurelie Poli

Pre-Recorded Workshop

5212 Beyond Immunoglobulin E (IgE): Reconsidering Mechanisms of Mast Cell Activation in Clinical Allergy ▼

Credits: 1.25 CME/CE

Updates in Mast Cell Activation: Revisiting the Diagnosis and Mechanisms of Anaphylaxis

Instructor Pre-Recorded: Catherine R. Weiler, MD PhD FAAAAI

MRGPRX2 in the Clinic: Implications for Allergic Dermatologic Disease

Instructor Pre-Recorded: Marcus Maurer, MD

Translating Discoveries in Mast Cell Activation into Personalized Medicine for Drug Allergy

Instructor Pre-Recorded: Dinah Foer, MD

Pre-Recorded Workshop

5213 New Insights into the Immune Mechanisms of Severe Asthma ▼

Credits: 1.25 CME/CE

Immunological Phenotypes of Severe Asthma

Instructor Pre-Recorded: Sally E. Wenzel, MD FAAAAI

Immune Mechanisms of Type 2-High Asthma

Instructor Pre-Recorded: Marsha A. Wills-Karp, PhD

Immune Mechanisms of Type 2-Low Asthma

Instructor Pre-Recorded: Bruce D. Levy, MD

Pre-Recorded Workshop

5214 Novel Aspects of Airway Inflammation in Response to Environmental Challenges ▼

Credits: 1.25 CME/CE

Neutrophil Activation Following Environmental Exposures

Instructor Pre-Recorded: Hae-Sim Park, MD PhD FAAAAI

Airway Epithelium as Primary Effector Organ to Environmental Changes

Instructor Pre-Recorded: Chris Carlsten, MD

Pre-Recorded Workshop

5215 Thinking Beyond Lymphocytes in Asthma: Platelets as Immune Cells ▼

Credits: 1.25 CME/CE

Platelets in the Asthmatic Lung: How They Get There and What They Are Doing

Instructor Pre-Recorded: Simon Pitchford, MD

Leukotriene and Platelet Interplay in Asthma

Instructor Pre-Recorded: Joshua A. Boyce, MD FAAAAI

Targeting Platelets in Asthma: Prior Attempts and Future Directions

Instructor Pre-Recorded: Katherine N. Cahill, MD FAAAAI

Pre-Recorded Workshop

5216 The Origin and Fate of Immunoglobulin E (IgE) - Switched B Cells ▼

Credits: 1.25 CME/CE

Pre- and Post-Switch Features of IgE B Cells Compared to IgG B Cells

Instructor Pre-Recorded: Christopher D. Allen, PhD

Extra-Nodal Switching to IgE

Instructor Pre-Recorded: Erin M. Janssen, MD PhD

Do Germinal Centers Protect Most of us from Becoming Allergic?

Instructor Pre-Recorded: Rob C. Aalberse, PhD FAAAAI

Pre-Recorded Workshop

5217 Allied Health: Navigating Access to Biologics: Medical Benefit, Pharmacy Benefit and Copay Assistance ▼

Credits: 1.25 CME/CE

Navigating Access to Biologics: Understanding the Complexity of Pre-Service Review

Instructor Pre-Recorded: Elizabeth Johnson, LPN

Pre-Recorded Workshop

5218 Allied Health: Telemedicine Tips for Advanced Practice Providers ▼

Credits: 1.25 CME/CE

Which Allergy Patients and Conditions Are Best Suited for Telemedicine?

Instructor Pre-Recorded: Christopher P. Parrish, MD FAAAAI

How To Meet the Needs of Your Patient While Improving Care for Allergy Patients and Using Telemedicine

Instructor Pre-Recorded: Amanda L. Cox, MD FAAAAI

Pre-Recorded Workshop

5219 Update from the U.S. Food and Drug Administration ▼

Credits: 1.25 CME/CE

FDA Year-in-Review

Instructor Pre-Recorded: Jennifer Lan, MD

Center for Drug Evaluation and Research: Hot Topics

Instructor Pre-Recorded: Katherine E. Clarridge, MD MS

Center for Biologic Evaluation and Research: Hot Topics

Instructor Pre-Recorded: Anubha Tripathi, MD

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- 5220 National Heart, Lung, and Blood Institute (NHLBI): Innovation in School-Based Asthma Care**
- School-Based Asthma Care: Overview and Closing the Loop With Primary Care Providers
Jill Halterman, MD MPH
- Innovation in Implementation of School-Based Asthma Programs
Kimberly Arcroleo, PhD MPH
- Paying Attention to the Rules: Getting Inhalers to Students
Lynn Gerald, PhD MSPH
- Extending the Reach of School-Based Asthma Care: Community Health Workers
Tyra Bryant-Stephens, MD

Pre-Recorded Debate

- 5301 Treatment of Aspirin Exacerbated Respiratory Disease (AERD): Surgery and Aspirin (ASA) Desensitization Should Be the Standard of Care**
- Credits: 1.00 CME/CE
- Biologic Therapy has Minimal Side Effects and Should Be the Preferred Therapy in AERD
Primary Speaker - Pre-Recorded: Andrew White, MD FAAAAI
- Surgery and Aspirin are Cost Effective and Should be Used First in AERD
Primary Speaker - Pre-Recorded: Katherine N. Cahill, MD FAAAAI

Pre-Recorded Debate

- 5302 Oral Food Challenges in Infants Are Necessary**
- Credits: 1.00 CME/CE
- Food Challenges are Necessary in Infants**
Primary Speaker - Pre-Recorded: Corinne Keet, MD MS PhD
- Food Challenges are Not Necessary in Infants**
Primary Speaker - Pre-Recorded: Michael Pistiner, MD MMSc
- Food Challenges are Not Necessary in Infants**
Primary Speaker - Pre-Recorded: Sharon Chinthurajah, MD FAAAAI

Pre-Recorded Debate

- 5303 Eosinophils Are Important in Chronic Rhinosinusitis Pathogenesis**
- Credits: 1.00 CME/CE
- Eosinophils Are Important Contributors to Chronic Rhinosinusitis (CRS) Pathogenesis**
Primary Speaker - Pre-Recorded: Bart N. Lambrecht, MD PhD
- Eosinophils Do Not Significantly Contribute to Chronic Rhinosinusitis (CRS) Pathogenesis**
Primary Speaker - Pre-Recorded: Larry Borish, MD FAAAAI

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ACGME Competency Index

To contribute to the development of our members as lifelong learners and to enhance the effectiveness of the CME activities it provides, the AAAAI uses the six competencies defined by the Accreditation Council for Graduate Medical Education (ACGME) to guide its educational programming decisions. The six competencies are:

- Patient Care
- Medical Knowledge
- Practice-Based Learning and Improvement
- Interpersonal and Communication Skills
- Professionalism
- Systems-Based Practice

All sessions at the Annual Meeting address the competencies of Patient Care and Medical Knowledge. Below is a list of sessions that address the other competencies:

Interpersonal and Communication Skills

1209, 1212, 1528, 1805, 2021, 2501, 3305, 3503, 4005, 4701

Professionalism

1110, 1207, 1209, 1250, 1504, 1527, 1528, 2405, 2803, 3305

Systems-Based Practice

0001, 1101, 1208, 1503, 1510, 1526, 1802, 2306, 2501, 3305, 3701, 3706, 4307

For more information about the ACGME's physician competencies, visit <http://www.acgme.org>.

Exhibits



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AbbVie

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Booth #1151

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 1465
Valrico, FL 33595
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Booth #1423

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.

Accredo

1640 Century Center Parkway
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<https://www.accredo.com>

Booth #540

Other

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.

ADMA Biologics

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<https://www.admabiologics.com/>

Booth #206

Pharmaceuticals

ADMA Biologics is an end-to-end commercial biopharmaceutical company committed to manufacturing, marketing 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. Our devotion to these underserved populations fuels us, and our hands-on approach to production and development sets us apart.

Advanced Infusion Care

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Valdosta, GA 31602
(229) 242-3060
<https://www.aiscaregroup.com>

Booth #1411

Immunotherapy

At Advanced Infusion Care, we apply a team approach to intravenous (IV) and subcutaneous (SubQ) immunoglobulin therapy patient care. Collaboration between physicians and the nationally accredited AIC home infusion team ensures the consistent delivery of patient-specific, specialized in-home infusion services to patients across the country, helping to improve outcomes—and lives.

Advocacy & Awareness for Immune Disorders Association (AAIDA)

6201 Fairview Road
Suite 200
Charlotte, NC 28210
(704) 993-8389
<http://www.GoDoAida.org>

Booth #230

Patient/Public Education

Since 2017, AAIDA has been dedicated to patients living with immune dysregulation conditions with a focus on, education initiatives, research opportunities and advocacy campaigns at both the State and Federal levels. AAIDA also provides patients and healthcare providers consultations around insurance issues/denials and medication assistance programs available across the U.S.

Aimmune Therapeutics

8000 Marina Boulevard
3rd Floor
Brisbane, CA 94005
(650) 614-5220
<https://www.aimmune.com/>

Booth #941

Pharmaceuticals

Aimmune Therapeutics, a Nestlé Health Science Company, is a biopharmaceutical company developing and commercializing treatments for potentially life-threatening food allergies and other food-related conditions, including gastrointestinal conditions. Aimmune Therapeutics has one FDA- and EU-approved medicine for peanut allergy and other investigational therapies in development. For more information, please visit www.aimmune.com

Exhibits



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Ajinomoto Cambrooke

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<https://essentiallybetter.com>

Booth #1240

Nutrition

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Booth #1407

Immunotherapy

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Allergy & Asthma Network

8229 Boone Boulevard
Suite 260
Vienna, VA 22182
(703) 641-9595
<http://www.allergyasthmanetwork.org>

Booth #228

Patient/Public Education

Patient-centered organization whose mission is to eliminate death and suffering due to allergies, asthma and related conditions through outreach, education, advocacy and research.

Allergy & Asthma Proceedings

450 Veterans Memorial Parkway
Building 15
East Providence, RI 02914
(401) 331-2510
<https://allergyasthmaproceedings.com>

Booth #1332

Publications

Allergy & Asthma Proceedings is in its 43rd 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 2.587, and a worldwide circulation of 5,000. AAP is available in print and online through www.Ingentaconnect.com

Allergy Partners

1978 Hendersonville Road
Suite 130A
Asheville, NC 28803
(828) 277-1300
<https://www.allergypartners.com>

Booth #441

Physician Recruitment

Allergy Partners is the nation's largest allergy, asthma, and immunology practice. Our network spans 20 states and encompasses over 137 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.

1420 River Park Drive
Suite 120
Sacramento, CA 95815
(510) 201-0130
<https://www.allergyehr.com/>

Booth #331

Computer Hardware/Software

AllergyEHR 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. Our allergy-specific solution combines a certified, adaptable EHR into a single platform with mobile, billing, and full Practice Management solutions.

AllerVie Health

4975 Preston Park Boulevard
800
Plano, TX 75093
(469) 922-3795
<https://www.allervie.com/>

Booth #1343

Physician Recruitment

AllerVie Health is a national network of board-certified allergists and immunologists partnering together for the advancement and expansion of patient care, bringing relief and renewed vitality to those suffering from allergies, asthma, and related immunological conditions.

Altus Biologics

11233 Shadow Creek Parkway
Suite 303
Pearland, TX 77584
(409) 718-1131
<http://www.altusbiolegics.com/>

Booth #444

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.



Aluna

345 California Street
Suite 700
San Francisco, CA 94104
(415) 320-0690
<https://alunacare.com/>

Booth #345

Spirometry

Aluna is an award-winning at-home spirometer that helps patients with asthma take control of their lung health. It is a revolutionary way for patients and their doctors to have a daily understanding of lung health, medication use, and exposure to environmental risk factors.

American Board of Allergy and Immunology

1835 Market Street
Suite 1210
Philadelphia, PA 19103
(215) 592-9466
<https://abai.org>

Booth #238

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 working closely with its parent boards to maintain 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 #234

Patient/Public Education

The future and long-term vision of APFED is to become an all-encompassing eosinophilic advocacy organization. APFED hopes to represent most eosinophil-associated diseases disorders. By continuing to cultivate successful working relationships with physicians' organizations we hope to bridge the gap between patient and doctor.

Amgen/AstraZeneca

1800 Concord Pike
Wilmington, DE 19803
(800) 236-9933
<https://www.tezspirehcp.com/>

Booth #1207

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.

3525 Del Mar Heights Road
855
San Diego, CA 92130
(858) 799-1840
<http://ars-pharma.com>

Booth #333

Pharmaceuticals

Our mission at ARS Pharmaceuticals is to provide at-risk patients and their families superior protection from severe allergic reactions. We are developing a product that patients and their caregivers can use without anxiety or hesitation, confident in both the product and the ability to administer it.

Aspire Allergy & Sinus

5929 Balcones Drive
Austin, TX 78731
(210) 556-6131
<http://www.aspireallergy.com>

Booth #1258

Physician Recruitment

Aspire Allergy & Sinus is a leader in allergy and sinus care. We are currently in 5 states and looking to expand patient services through acquisition opportunities with reputable practices. With Aspire, physicians can continue to care for their patients, secure their future without the hassles of running a practice.

Exhibits



American Academy of
Allergy Asthma & Immunology
ANNUAL MEETING
PHOENIX, AZ · FEBRUARY 25–28, 2022

Asthma and Allergy Foundation of America (AAFA)

1235 South Clark Street
Suite 305
Arlington, VA 22202
(202) 466-7643
<https://www.aafa.org>

Booth #250

Patient/Public Education

The Asthma and Allergy Foundation of America (AAFA) is the oldest and largest nonprofit patient organization dedicated to improving the quality of life for people with asthma, allergies and related conditions through support, advocacy, education and research. Visit aafa.org or kidswithfoodallergies.org to learn more.

AstraZeneca

1800 Concord Pike
Wilmington, DE 19803
(800) 236-9933
<https://wwwastrazeneca-us.com/>

Booth #406

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, and its innovative medicines are used by millions of patients worldwide. wwwastrazeneca-us.com

BioCryst Pharmaceuticals, Inc.

4505 Emperor Boulevard
Suite 200
Durham, NC 27703
(919) 226-5852
<https://www.biocryst.com/>

Booth #223

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. In December 2020, the FDA approved ORLADEYO (berotralstat).

Blueprint Medicines

45 Sidney Street
Cambridge, MA 02139
(617) 374-7580
<http://www.blueprintmedicines.com>

Booth #458

Pharmaceuticals

Blueprint Medicines is a global precision therapy company that aims to invent transformative medicines for people with cancer and hematologic disorders. We are delivering our approved therapies to patients in the United States and Europe, and we are globally advancing multiple programs for genetically defined cancers, systemic mastocytosis, and cancer immunotherapy.

Chemotechnique Diagnostics / Dorner Laboratories

91 Kelfield Street
Unit 5
Toronto, ON M9W 5A3
Canada
(416) 242-6167
<http://dorner.com>

Booth #311

Diagnostic Testing

Chemotechnique Diagnostics, Malmo, Sweden, since 1981 recognized world leader in patch testing allergens and accessories. Over 550 total allergens, with 45 specialized series. "I-Q" Chambers, most advanced leak-free cells, are utilized on both IQ-ULTRA and IQ-ULTIMATE chamber formats. Dorner Laboratories Inc. is Chemotechnique's North American Distributor.

Chiesi Global Rare Diseases

One Boston Place
Boston, MA 02108
(774) 245-2064
<https://www.chiesiglobalrarediseases.com/>

Booth #1427

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 <https://www.chiesiglobalrarediseases.com/>.



Circassia Inc.

1100 Perimeter Park Drive
Suite 114
Morrisville, NC 27560
(919) 655-7129
<https://www.niox.com>

Booth #1233

Diagnostic Testing

NIOX® is the gold standard FeNO analyzer from Circassia, the world leader in FeNO testing. NIOX VERO® accurately assesses airway inflammation at the point-of-care by measuring fractional exhaled nitric oxide (FeNO). Accurate, reliable, and straightforward, NIOX VERO can help diagnose asthma, optimize treatment, reduce exacerbations, and uncover non-adherence to medication.

Code Ana

123 Metairie Road
Metairie, LA 70005
(617) 584-9181
<https://codeana.org/>

Booth #254

Patient/Public Education

Code Ana equips K-12 and preschool staff to be prepared for medical emergencies like anaphylaxis through online learning courses, in-person and virtual workshops, and collaborations with other like-minded organizations. Please visit our website at <https://codeana.org/>.

CSL Behring

1020 First Avenue
King of Prussia, PA 19406
(610) 878-4000
<https://www.cslbehring.com>

Booth #1021

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.

CSL Behring

1020 First Avenue
King of Prussia, PA 19406
(610) 878-4000
<https://www.cslbehring.com>

Booth #1434

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://curascripts.com/>

Booth #1019

Pharmaceuticals

CuraScript SD provides integrated delivery solutions for the safe & efficient distribution of specialty pharmaceuticals & associated medical supplies. We've been caring for those who care for more than a quarter of a century by supplying biologics, branded drugs, generics, vaccines, infused medications and ancillary supportive care products to a wide range of medical providers.

Cycle Pharmaceuticals

315 University Avenue
2nd Floor
Westwood, MA 02090
(800) 903-1793
<https://cyclepharma.com/>

Booth #1446

Pharmaceuticals

Cycle Pharmaceuticals is a global, privately-owned and patient-dedicated biotechnology company headquartered in Cambridge, UK. Our mission is to utilize the latest pharmaceutical technologies to deliver superior drug treatments to better serve rare genetic disease patients. In addition, we provide individualized patient support services to meet patient needs swiftly and efficiently.

Exhibits



DBV Technologies

25 Deforest Avenue
Suite 203
Summit, NJ 07901
(484) 357-7850
<https://www.dbv-technologies.com>

Booth #1418

Immunotherapy

DBV Technologies is a global biopharmaceutical company that's developing an investigational epicutaneous immunotherapy (EPIT™) treatment option for the millions of people suffering from life-threatening food allergies and other immunological disorders. Starting with peanut, we are investigating food allergy treatments that are designed to potentially reduce the risk of unpredictable, life-threatening reactions due to accidental exposure.

Edge Pharmacy Holdings

450 Weaver Street
Suite 3
Winooski, VT 05404
(802) 992-1178
<https://www.edgepharmaceuticals.com/>

Booth #208

Allergenic Extracts

Edge Pharmacy Holdings comprises several companies addressing different needs of healthcare providers. Products and services from Edge include compounded prescription named patient treatment sets (Edge Pharma, an FDA registered 503B Outsourcing facility), wholesale distribution of allergenic extracts, and much more (Edge Pharmaceuticals), and cloud-based allergy practice software (Xtract Solutions).

Elsevier

1600 John F. Kennedy Boulevard
Suite 1600
Philadelphia, PA 19103
(215) 239-3900
<https://www.us.elsevierhealth.com/medicine/allergy>

Booth #446

Publications

Elsevier is a world-leading provider of medical books and reference materials, empowering medical professionals to make better decisions, and deliver better care.

EMED Technologies Corporation

1262 Hawks Flight Court
Suite 200
El Dorado Hills, CA 95762
(916) 932-0071
<https://www.emedtc.com/>

Booth #1347

Equipment/Supplies

EMED designs, develops & markets infusion therapy medical devices worldwide. EMED offers the SCIG60™ mechanical syringe pump, a full line of patented Soft-Glide® Needle Sets, Infuset™ fixed-rate control sets, VersaRate® & VersaRate® Plus, patented variable rate control sets & AccuFlow® controllers. Learn more about our innovative technologies, visit www.emedtc.com.

Emmes

401 North Washington Street
Suite 700
Rockville, MD 20850
(301) 251-1161
<https://www.emmes.com>

Booth #1415

Clinical Research Organizations

Emmes collaborates with clients to produce valued, trusted scientific research. We are passionate about making a difference in the quality of human health, and have supported more than a thousand studies across a diverse range of diseases since our formation in 1977.

Eurofins Viracor

1001 Northwest Technology Drive
Lee's Summit, MO 64086
(816) 554-5171
<https://www.eurofins-viracor.com/>

Booth #1237

Diagnostic Testing

We are passionate about providing timely, actionable diagnostic information — never losing sight of the connection between the testing we perform and the patients you serve.

European Academy of Allergy, Asthma and Clinical Immunology

Hagenholzstrasse 111
3rd Floor
Zurich, 8050
Switzerland
0041 44 205 55 33
<https://eaaci.org>

Professional Association

The European Academy of Allergy and Clinical Immunology (EAACI) is an association of clinicians, researchers and allied health professionals, dedicated to improving the health of people affected by allergic diseases. EAACI is the primary source of expertise in Europe for all aspects of allergy.

Exhibits



American Academy of
Allergy Asthma & Immunology
ANNUAL MEETING
PHOENIX, AZ · FEBRUARY 25–28, 2022

Food Allergy & Anaphylaxis Connection Team (FAACT)

5512 Charleston Woods Drive

Liberty Township, OH 45044

(815) 276-3015

<https://www.FoodAllergyAwareness.org/>

Booth #236

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 resources you need to manage food allergies at school, preparing for college, dining out safely, issues in the workplace, traveling, bullying, mental health, and more.

Food Allergy Research & Education

7901 Jones Branch Drive

Suite 240

McLean, VA 22102

(800) 929-4040

<https://www.foodallergy.org/>

Booth #252

Patient/Public Education

FARE enhances the lives of individuals with food allergies empowering them to lead safe, productive lives with the respect of others through education and advocacy initiatives and improved awareness around healthcare options, treatment and the prevention of food allergies.

Food Equality Initiative, Inc.

300 East 39th Street

Kansas City, MO 64111

(816) 800-0884

<https://foodequalityinitiative.org/>

Booth #256

Patient/Public Education

At Food Equality Initiative, food is medicine. We provide access to the only known medicine to treat food allergies, celiac disease, and other food-related conditions. By subsidizing a food delivery service and crafting fresh educational material, we ease the financial and psychological strain of diet-treated illnesses on individuals and families.

Genentech - Novartis

1 DNA Way

South San Francisco, CA 94080

(650) 225-1000

<http://www.gene.com>

Booth #414

Pharmaceuticals

Considered the founder of the industry, Genentech, now a member of the Roche Group, has been delivering on the promise of biotechnology for more than 40 years.

GlaxoSmithKline

5 Moore Drive

Research Triangle, NC 27709

(888) 825-5249

<http://www.gsk.com>

Booth #1119

Pharmaceuticals

GSK is a science-led global healthcare company with a special purpose: to help. We research, develop and manufacture innovative pharmaceutical, biological, vaccine, and consumer healthcare products in an effort to bring differentiated, high quality products to the people who need them.

Grifols USA, LLC.

2410 Lillyvale Avenue

Los Angeles, CA 90032

(323) 225-2221

<http://grifols.com>

Booth #1351

Pharmaceuticals

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. For more information, please visit <http://grifols.com>

Hikma Specialty USA Inc

1809 Wilson Rd

Columbus, OH 43228

(614) 276-4000

<https://hikma-specialty.com/>

Booth #237

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 www.hikma-specialty.com

HollisterStier Allergy

3525 North Regal Street

Spokane, WA 99207

(509) 964-1998

<https://hsallergy.com>

Booth #207

Allergenic Extracts

The sole provider of venom extracts in the U.S., HollisterStier Allergy manufactures a complete line of immunotherapy supplies: allergenic extracts, positive and negative controls, diagnostic devices, and sterile empty vials.

Exhibits



Horizon Therapeutics

1 Horizon Way
Deerfield, IL 60015
(224) 383-3000
<https://www.horizontherapeutics.com/>

Booth #1229

Pharmaceuticals

Horizon is focused on researching, developing and commercializing medicines that address critical needs for people impacted by rare and rheumatic diseases. Our pipeline is purposeful: we apply scientific expertise and courage to bring clinically meaningful therapies to patients. We believe science and compassion must work together to transform lives.

Immune Deficiency Foundation

110 West Road
Suite 300
Towson, MD 21204
(410) 321-6647
<https://primaryimmune.org>

Booth #240

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
(858) 752-6959
<https://www.iedb.org/>

Booth #244

Computer Hardware/Software

The Immune Epitope Database and Analysis Resource Program (IEDB) is a freely available database funded by the NIAID that allows easy searching of all published experimental data characterizing antibody and T cell epitopes studied in humans, non-human primates, and other animal species. Epitopes involved in infectious disease, allergy, autoimmunity, and transplant are included.

Incyte Corporation

1801 Augustine Cut-off
Wilmington, DE 19803
(314) 503-5594
<https://www.incyte.com>

Booth #921

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 and follow @Incyte on Twitter. For more information on OPZELURA™ (ruxolitinib) cream 1.5%, visit OpzeluraHCP.com.

Indoor Biotechnologies, Inc.

700 Harris Street
Charlottesville, VA 22903
(434) 984-2304
<https://www.inbio.com>

Booth #1018

Other

Indoor Biotechnologies specializes in allergens and immunoassay products/services for the food industry, indoor air quality and biopharmaceutical industries, academic and government researchers, and Fortune 500 companies. Our mission is to improve patient care through research, education and developing cutting-edge technologies that serve our customers worldwide.

International Eosinophil Society, Inc.

555 East Wells Street
Suite 1100
Milwaukee, WI 53202
(414) 276-6445
<https://www.eosinophil-society.org/>

Booth #232

Clinical Research Organizations

The International Eosinophil Society, Inc. (IES) is an organization of scientists and clinicians interested in the eosinophil, a blood cell strongly associated with many diseases. The society sponsors biennial meetings to review new information about the eosinophil and its roles in health and disease.

Johnson & Johnson

199 Grandview Road
Skillman, NJ 07960
(862) 222-7631
<http://www.zyrtecprofessional.com>

Booth #214

Pharmaceuticals

ZYRTEC® (Cetirizine) is an over the counter oral anti-histamine from Johnson & Johnson Consumer Inc. Zyrtec® offers both children's and adult products that may temporarily relieve allergy symptoms of sneezing, runny nose, itchy, watery eyes, and itchy nose or throat up to 24 hours.

Exhibits



American Academy of
Allergy Asthma & Immunology
ANNUAL MEETING
PHOENIX, AZ · FEBRUARY 25–28, 2022

kaléo

111 Virginia Street
Suite 300
Richmond, VA 23219
(804) 545-6360
<http://www.kaleo.com>

Booth #339

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.

Kenota Health

335 Gage Avenue
Unit 1
Kitchener, ON N2M 5E1
Canada
(519) 208-9732
<https://kenota.com/>

Booth #1421

Diagnostic Equipment

Kenota Health is a medical device company with the goal of making allergy testing safe, simple and certain. The Kenota System provides allergists with an in-house tool for rapid blood-based specific IgE testing, facilitating patient assessment and treatment.

KoKo, LLC

1200 South Fordham Street
Suite B
Longmont, CO 80503
(720) 640-4222
<https://www.kokopft.com>

Booth #327

Spirometry

KoKo's legacy of innovation dates back to the iron lung in the 1930s. Our mission is to provide high-quality respiratory data to improve patients' lives. KoKo spiroimeters are clinically proven in studies worldwide, providing unparalleled reliability and accuracy. Visit us to learn how KoKo Spirometers help you enhance patient care.

LEO Pharma

7 Giralta Farms
2nd Floor
Madison, NJ 07940
(877) 494-4536
<https://www.leo-pharma.us/>

Booth #1337

Pharmaceuticals

Founded in 1908 and owned by the LEO Foundation, LEO Pharma has devoted decades of research and development to advance the science of dermatology, setting new standards of care for people with skin conditions.

LEO Pharma

7 Giralta Farms
2nd Floor
Madison, NJ 07940
(877) 494-4536
<https://www.leo-pharma.us/>

Booth #1444

Pharmaceuticals

Visit our booth for LEO Pharma medical related questions. At LEO Pharma we drive dermatology with our knowledge, collaboration and curiosity. We are at the forefront of science in developing new medicines for dermatology. As long as there is a patient out there needing our help, we carry on our mission.

Lincoln Diagnostics, Inc.

240 East Hickory Point Road
Decatur, IL 62526
(800) 537-1336
<https://www.lincolndiagnostics.com/>

Booth #1141

Diagnostic Equipment

Lincoln Diagnostics is displaying state-of-the-art, safety-engineered skin testing devices that meet all current OSHA requirements-Multi-Test PC (Pain Control), UniTest PC (Pain Control), Multi-Test II, Multi-Test, Duotip-Test II, and Duotip-Test. Please visit our exhibit to learn about Lincoln's devices' economic value and why they are the most widely used and most extensively published on devices available.

Med Learning Group

3101 West Dr Martin Luther King Jr Boulevard
Tampa, FL 33607
(910) 612-3411
<https://www.medlearninggroup.com/>

Booth #1413

Physician Education

MLG is hosting this 10x10 booth as an resource to distribute various educational tools for both physician and patient education. Tools will include downloadable animation, customizable posters, and more.

Exhibits



American Academy of
Allergy Asthma & Immunology
ANNUAL MEETING
PHOENIX, AZ · FEBRUARY 25–28, 2022

MEDI LAZER

6950 West Via Olivero Avenue

5

Las Vegas, NV 89117

(844) 556-3120

<https://medilazer.net/>

Booth #323

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 #309

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

K61

Kenilworth, NJ 07033

(908) 740-4000

<http://www.merck.com>

Booth #445

Pharmaceuticals

For more than a century, Merck has been inventing for life, bringing forward medicines and vaccines for many of the world's most challenging diseases. Today, Merck continues to be at the forefront of research to deliver innovative health solutions and advance the prevention and treatment of diseases that threaten people and animals around the world.

Methapharm

81 Sinclair Boulevard

Brantford, ON N3S 7X6

Canada

(519) 751-3602

<https://provocholine.com/>

Booth #1425

Diagnostic Testing

Methapharm specializes in respiratory diagnostics in the United States. We currently offer Provocholine for methacholine challenge testing and Aridol for mannitol challenge testing. These bronchoprovocation dose response tests can help to confirm or rule out a diagnosis of current asthma.

MGC Diagnostics

350 Oak Grove Parkway

St. Paul, MN 55127

(651) 484-4874

<https://mgcdiagnostics.com/>

Booth #1442

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 #307

Spirometry

For over 25 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

<http://www.spirometry.com>

Booth #1335

Spirometry

MIR - Medical International Research is a company founded in 1993 that today is a global leader in the field of design, production and international sales of diagnostic devices and software applications for the analysis of lung function. In particular MIR specializes in: Spirometry, Oximetry and mHealth.

Mission: Allergy, Inc.

28 Hawleyville Road

PO Box 45

Hawleyville, CT 06440

(203) 364-1570

<https://www.missionallergy.com>

Booth #1328

Environmental Products

Leading allergists recommend Mission: Allergy for its scientific accuracy and its highest quality microfiber pillow and mattress encasings and other 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/otolaryngology/>

Booth #1350

Computer Hardware/Software

The modmed® suite is a cloud-based, EHR and practice management (PM) system designed to adapt to each doctor's style of practice, remembering preferences and automatically suggesting documentation and billing codes. Our EHR, works seamlessly with our other products and services including PM, revenue cycle management, analytics, modmed Telehealth, modmed Pay, patient engagement tools and more.

Morgan Scientific, Inc.

151 Essex Street
8th Floor
Haverhill, MA 01832
(978) 521-4440
<https://www.morgansci.com/>

Booth #1336

Spirometry

Timeless Precision Spirometry: Morgan Scientific's ComPAS2 Software is the next generation of best in class PFT software that revolutionizes pulmonary function testing as we know it. Never has pulmonary function testing been so breathtaking. It is the perfect match for your spirometry needs, with unparalleled accuracy, reliability, and connectivity.

MotherToBaby Pregnancy Studies

9500 Gilman Drive
MC 0828
La Jolla, CA 92903
(877) 311-8972
<https://mothertobaby.org/healthcare-professionals/allergy-immunology/>

Booth #242

Clinical Research Organizations

MotherToBaby Pregnancy Studies is evaluating the effects of asthma and atopic dermatitis along with the medications used to treat these diseases during pregnancy. If you have a pregnant patient diagnosed with any of the above conditions, refer them today!

National Allergy Bureau

555 East Wells Street
Suite 1100
Milwaukee, WI 53202
(414) 918-3095
<https://pollen.aaaai.org/#/>

Booth #226

Patient/Public Education

Learn about the NAB and how to become a certified counting station. Increase your knowledge of the functionality and usefulness of pollen/fungus counts being collected by active stations within NAB for the public and interested AAAAI members.

Naväge Nasal Care

1 American Road
Suite 1100
Brooklyn, OH 44144
(216) 801-4708
<https://navage.com/>

Booth #220

Health/Body Care

Nasal irrigation works and Naväge makes it easy! Naväge is the world's only nasal irrigator with powered suction, to flush out allergens, mucus, and bacteria naturally. It's the easy-to-use, drug-free alternative to pills and sprays.

NeilMed

601 Aviation Boulevard
Santa Rosa, CA 95403
(707) 525-3784
<https://www.neilmed.com>

Booth #1422

Pharmaceuticals

The mission of the company is to create and maintain safe, affordable and effective products to sustain long-term growth and create drug free and effective sinus, ear, first aid, and baby care devices for millions of consumers worldwide. Please visit the website www.neilmed.com for more details.

Novartis Pharmaceuticals Corporation

One Health Plaza
East Hanover, NJ 07936
(888) 669-6682
<https://www.novartis.com>

Booth #430

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. We rank among the world's top companies investing in research and development, and our products reach nearly 800 million people globally.

Exhibits



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Nutricia North America

77 Upper Rock Circle
Suite 303
Rockville, MD 20850
(301) 503-1457
<https://nutricia-na.com/>

Booth #538

Nutrition

Nutricia is a global health company that leads the development and use of advanced medical nutrition for specialized care. Nutricia products and services transform the daily lives of millions of infants, children, adults and aging seniors.

Optinose

1020 Stony Hill Road
Suite 300
Yardley, PA 19067
(267) 364-3505
<http://xhancehcp.com>

Booth #422

Pharmaceuticals

Optinose is a specialty pharmaceutical company focused on serving the needs of patients cared for by ear, nose and throat (ENT) and allergy specialists.. Learn more about deposition with XHANCE® (fluticasone propionate) nasal spray 93 mcg by visiting our booth or www.xhancehcp.com.

Option Care Health

3000 Lakeside Drive
Suite 300N
Bannockburn, IL 60015
(224) 775-6100
<https://optioncarehealth.com>

Booth #222

Other

Option Care Health is the largest national infusion services provider, delivering intravenous treatments for a wide range of acute and chronic conditions. For over 40 years, we've delivered infusion medications and seamless transitional care for patients in their home or at one of our conveniently located ambulatory infusion suites.

Optum Infusion Pharmacy

15529 College Boulevard
Lenexa, KS 66219
(913) 217-9766
<https://specialty.optumrx.com/infusion>

Booth #1239

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

235 East 42nd Street
New York, NY 10017
(212) 733-2323
<http://www.pfizer.com>

Booth #1041

Pharmaceuticals

Pfizer Inc.: Working together for a healthier world®
At Pfizer, we apply science and our global resources to bring therapies to people that extend and significantly improve their lives. We strive to set the standard for quality, safety and value in the discovery, development and manufacture of health care products.

Pfizer

235 East 42nd Street
New York, NY 10017
(212) 733-2323
<http://www.pfizer.com>

Booth #1242

Pharmaceuticals

Pfizer Inc.: Breakthroughs that change patients' lives
At Pfizer, we apply science and our global resources to bring therapies to people that extend and significantly improve their lives. We strive to set the standard for quality, safety and value in the discovery, development and manufacture of health care products.

Pharming Healthcare Inc.

10 Independence Boulevard
4th Floor
Warren, NJ 07059
(908) 295-9241
<https://www.pharming.com/>

Booth #450

Pharmaceuticals

Pharming 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.

PulmOne USA

270 Madison Avenue
9th Floor
New York, NY 10016
(844) 785-6663
<https://www.pulm-one.com/>

Booth #1159

Diagnostic Equipment

Learn about the MiniBox+: Complete Pulmonary Function Testing (PFT) with desktop, cabinless plethysmography. FAST: Lung Volumes, Spirometry and DLCO in only 20 minutes. EASY: Fully automated. SAFE: Complies with COVID-19 safety recommendations. PROVEN: Equivalency to body box. GREAT ROI: Within months. Used by physicians across the US.

Exhibits



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Reckitt/Mead Johnson Nutrition

2400 West Lloyd Expressway
Evansville, IN 47721
(812) 429-5000
<http://www.hcp.meadjohnson.com>

Booth #1409

Nutrition

Mead Johnson Nutrition (MJN)/Reckitt has combined state-of-the-art research, scientific partnerships, and commitment to the highest quality and nutritional standards to boost developing minds and bodies. Our Enfa portfolio and innovations are trusted by parents and healthcare professionals around the world to support growing families at every stage of development.

Regeneron Pharmaceuticals

777 Old Saw Mill River Road
Tarrytown, NY 10591
(914) 847-7000
<https://www.regeneron.com/>

Booth #1261

Pharmaceuticals

Regeneron is a leading biotechnology company that invents life-transforming medicines for serious diseases. Founded and led for over 30 years by physician-scientists, our unique ability to repeatedly translate science into medicine has led to numerous FDA-approved treatments and product candidates in development. Visit www.Regeneron.com to learn more.

Regeneron Pharmaceuticals

777 Old Saw Mill River Road
Tarrytown, NY 10591
(914) 847-7000
<https://www.regeneron.com/>

Booth #351

Pharmaceuticals

Regeneron is a leading biotechnology company that invents life-transforming medicines for serious diseases. Founded and led for over 30 years by physician-scientists, our unique ability to repeatedly translate science into medicine has led to numerous FDA-approved treatments and product candidates in development. Visit www.Regeneron.com to learn more.

Revivicor Inc.

1700 Kraft Drive
Suite 2400
Blacksburg, VA 24060
(540) 808-2606
<https://www.revivicor.com>

Booth #1022

Pharmaceuticals

The GalSafe™ pig has undetectable endogenous galactose-alpha-1,3-galactose (α-gal) sugar residues which causes allergic response in certain individuals(Alpha-Gal Syndrome). Products derived from the GalSafe™ pig are intended as sources of food or human therapeutics including excipients, devices, drugs, or biological products.

Sanofi Genzyme and Regeneron

777 Old Saw Mill River Road
Tarrytown, NY 10591
(914) 847-7000
<https://www.dupixenthcp.com>

Booth #215

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 and www.Sanofi.com.

Sanofi Genzyme and Regeneron

777 Old Saw Mill River Road
Tarrytown, NY 10591
(914) 847-7000
<https://www.dupixenthcp.com>

Booth #907

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 and www.Sanofi.com.

SENTA Partners

8200 Roberts Drive
Suite 450
Sandy Springs, GA 30350
(678) 933-6349
[https://sentapartners.com/](https://sentapartners.com)

Booth #1023

Office Management

Management Service Organization working with ENT and Allergy Physicians.

Exhibits



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SmartPractice

3400 East McDowell Road
Phoenix, AZ 85008
(602) 413-4099
<http://smartpractice.com/derm>

Booth #1417

Allergenic Extracts

SmartPractice Dermatology | Allergy provides innovative patch test products and easier access to educational resources to help diagnosis 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.STAGRAllergy.com>

Booth #1429

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.STAGRAllergy.com>

Booth #1435

Immunotherapy

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

95 Hayden Avenue
Lexington, MA 02421
(877) 825-3327
<https://www.takeda.com>

Booth #929

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

Takeda

95 Hayden Avenue
Lexington, MA 02421
(877) 825-3327
<https://www.takeda.com>

Booth #925

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

Takeda Pharmaceuticals USA, Inc.

95 Hayden Avenue
Lexington, MA 02421
(617) 349-0200
<https://www.takeda.com>

Booth #1024

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

Teva Pharmaceuticals

400 Interpace Parkway
Parsippany, NJ 07054
(816) 718-1624
<https://tevausa.com>

Booth #1329

Pharmaceuticals

Teva Pharmaceuticals has been developing and producing medicines for more than a century. We are a global leader in generic and specialty medicines with a portfolio consisting of over 3,500 products in nearly every therapeutic area.

Teva Pharmaceuticals (Medical Affairs)

400 Interpace Parkway
Parsippany, NJ 07054
(816) 718-1624
<https://www.tevausa.com>

Booth #1452

Pharmaceuticals

Teva Pharmaceuticals has been developing and producing medicines for more than a century. We are a global leader in generic and specialty medicines with a portfolio consisting of over 3,500 products in nearly every therapeutic area.

Exhibits



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The Clinical Trials Network (CTNx)

700 West Saint Clair Avenue
Suite 416
Cleveland, OH 44113
(440) 396-7278
<https://www.thectnx.com>

Booth #919

Clinical Research Organizations

The Allergy/Immunology Clinical Trials Network (CTNx) is a rapidly expanding network of private practice clinical research sites. We help new and existing sites through a unique approach to streamlining the administrative, regulatory, and compliance aspects of conducting clinical trials. Our network spans the United States, providing a diverse patient population throughout our centers.

The Mast Cell Disease Society, Inc.

PO Box 416
Sterling, MA 01564
(701) 314-9686
<https://www.tmsforacure.org>

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.

Thermo Fisher Scientific

Rapsgatan 7P
Uppsala, 751 37
Sweden
(461) 816-5000
<http://thermofisher.com/phadia>

Booth #1437

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 #336

Diagnostic Equipment

Thorasys is a small medium-sized enterprise (SME), based in Montreal, Quebec, Canada, which designs, manufactures and markets respiratory medical devices. Thorasys applies state-of-the-art research and technology in the development of products for the assessment and monitoring of lung diseases such as asthma, COPD and cystic fibrosis.

US WorldMeds, Inc

4441 Springdale Road
Louisville, KY 40241
(502) 802-4252
<https://usworldmeds.com>

Booth #216

Pharmaceuticals

USWM, LLC (US WorldMeds) is a privately held specialty pharmaceutical company that develops, licenses, and markets unique healthcare products designed to improve the lives of patients with challenging conditions and unmet medical needs. US WorldMeds has built a branded product portfolio in the therapeutic areas of addiction medicine, malignant hyperthermia, and allergy.

VitalFlo Health

224 Fayetteville Street
Raleigh, NC 27601
(919) 741-0282
<https://www.vitalflohealth.com/contact>

Booth #1338

Spirometry

VitalFlo is a digital health company focused on Remote Patient Monitoring Spirometry for allergy, asthma and other lung conditions. We use mobile spirometers and indoor/outdoor air quality to monitor a patient's lung health and trends.

Vitalograph

13310 West 99th Street
Lenexa, KS 6621
(913) 732-3228
<http://www.vitalograph.com>

Booth #439

Spirometry

A Global Leader in Respiratory Diagnostics At Vitalograph, we constantly work to push the boundaries of innovation through our high-quality spirometry 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.

Exhibits



Vyaire Medical

510 Technology Drive
Irvine, CA 92618
(714) 883-2257
<https://www.vyaire.com/>

Booth #212

Spirometry

Spirometry and FeNO

World Allergy Organization (WAO)

555 East Wells Street
Suite 1100
Milwaukee, WI 53202
(414) 276-1791
<https://www.worldallergy.org/>

Booth #246

Professional Association

The World Allergy Organization (WAO) is an international umbrella organization whose members consist of 103 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.

X4 Pharmaceuticals

61 North Beacon Street
4th Floor
Boston, MA 02134
(215) 828-4763
<http://www.x4pharma.com>

Booth #1147

Pharmaceuticals

X4 Pharmaceuticals, a leader in discovery and development of therapies resulting from CXCR4 pathway dysfunction. The candidate, mavorixafor, a first-in-class, oral, small molecule CXCR4 antagonist is in a Phase 3 trial in WHIMs, and two Phase 1b trials – combination with ibrutinib in Waldenström's macroglobulinemia, and monotherapy in Severe Congenital Neutropenia.

ZEPHYRx

2 Third Street
Troy, NY 12180
(315) 246-9048
<https://www.zephyrx.com/>

Booth #1450

Spirometry

The ZEPHYRx Remote Respiratory Monitoring (RRM) solution combines an innovative cloud platform with the service and support clinical teams need to deliver a successful RRM solution. A RRM solution offers invaluable advantages: far greater frequency of remote monitoring vs. in-clinic appointments, just-in-time respiratory testing, and features to support patient adherence.

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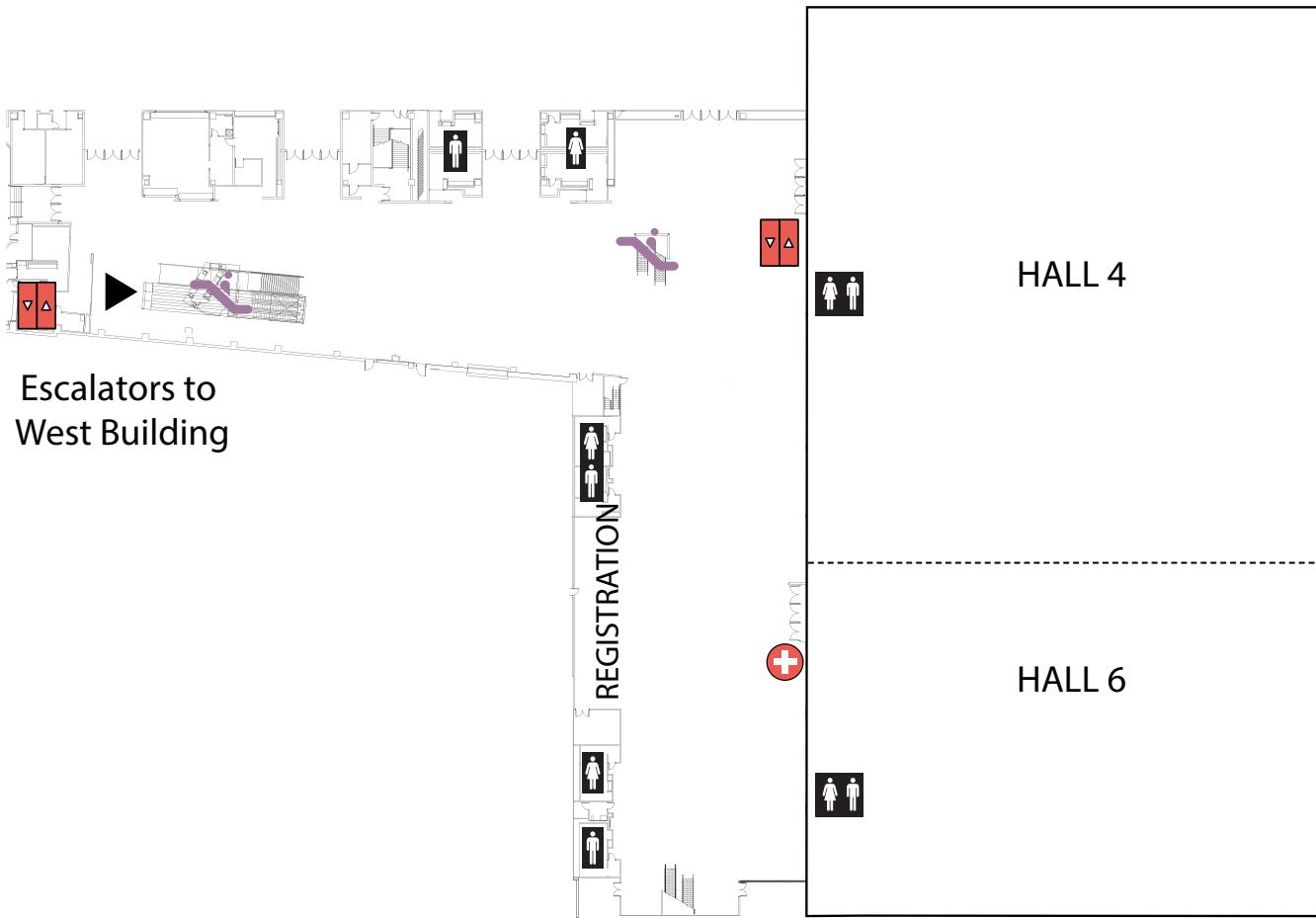
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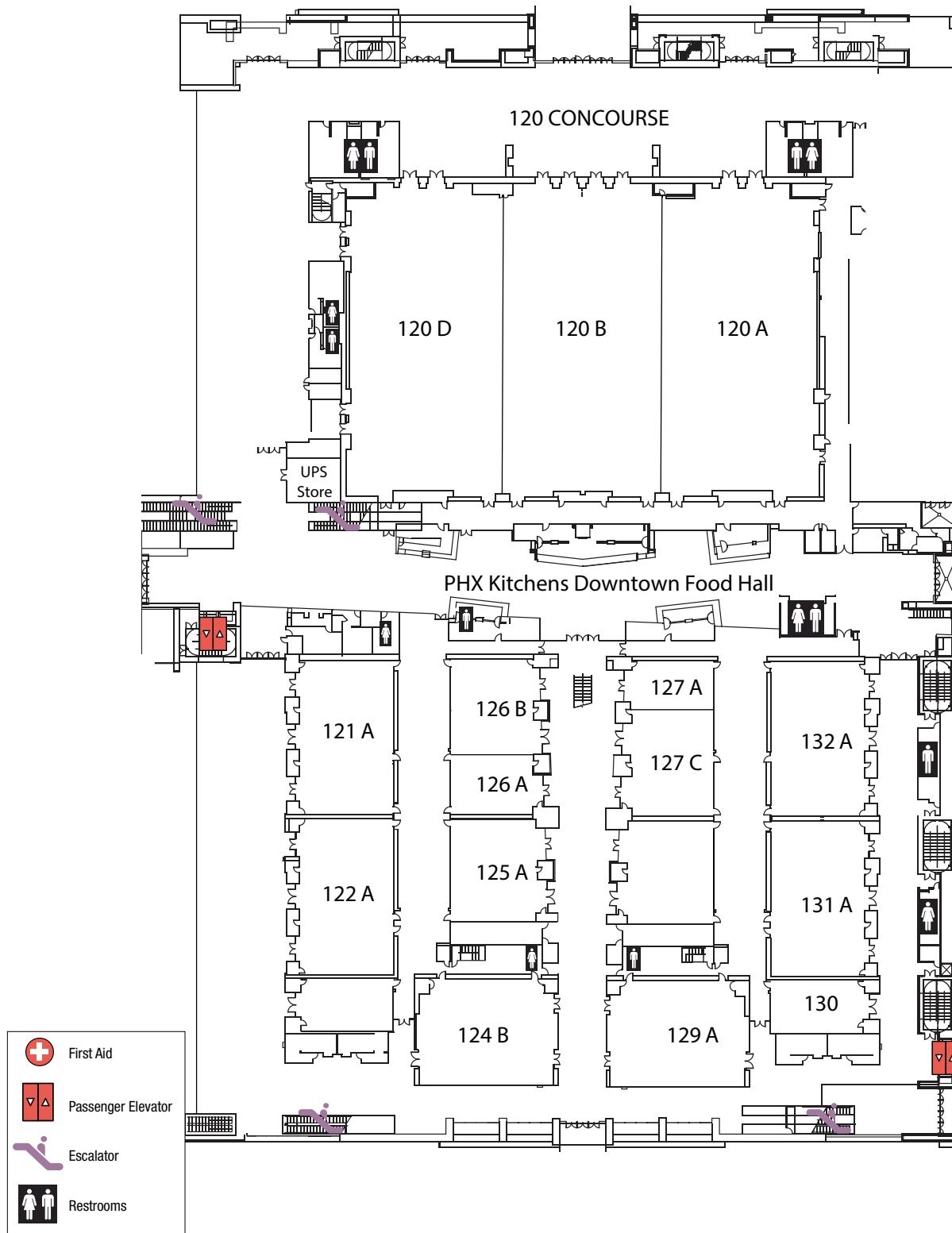


Phoenix Convention Center



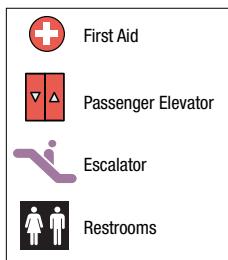
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North Building - 100 Level





North Building - 200 Level

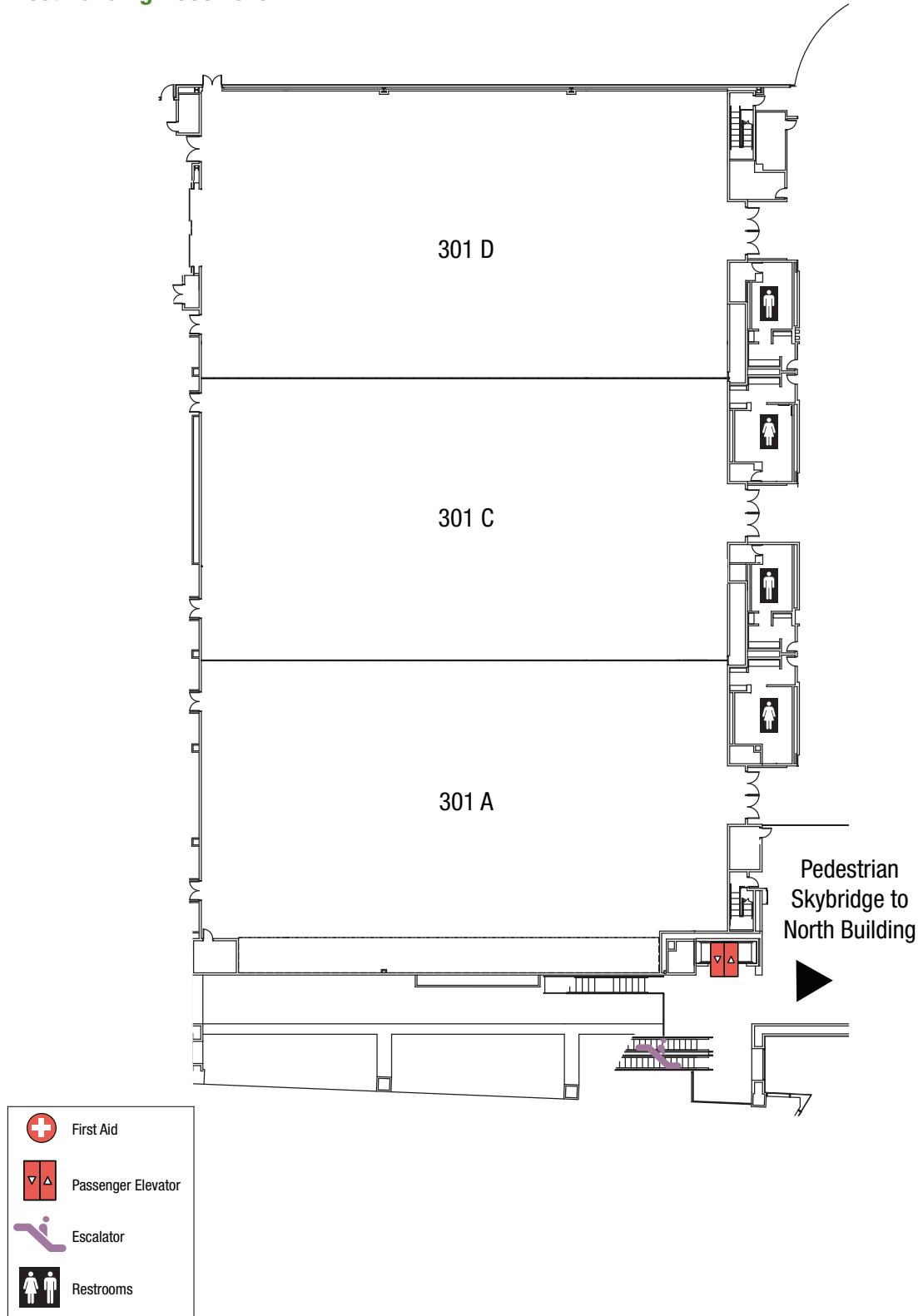


Phoenix Convention Center



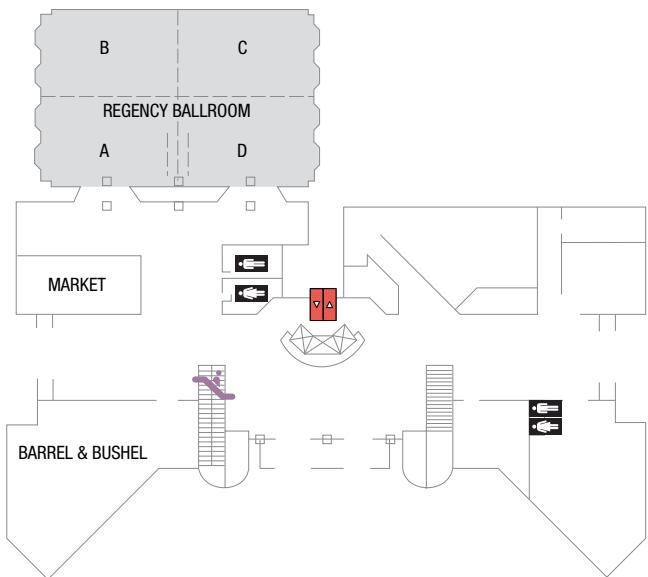
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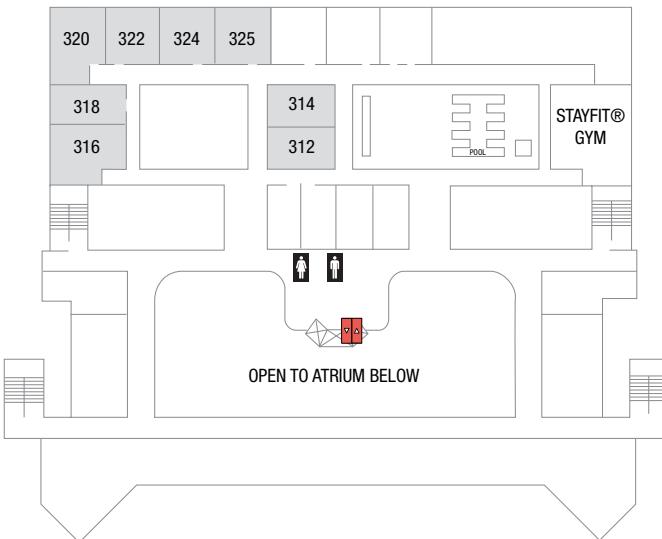




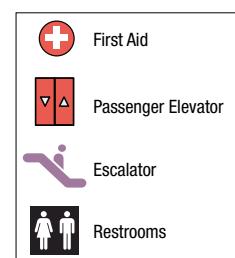
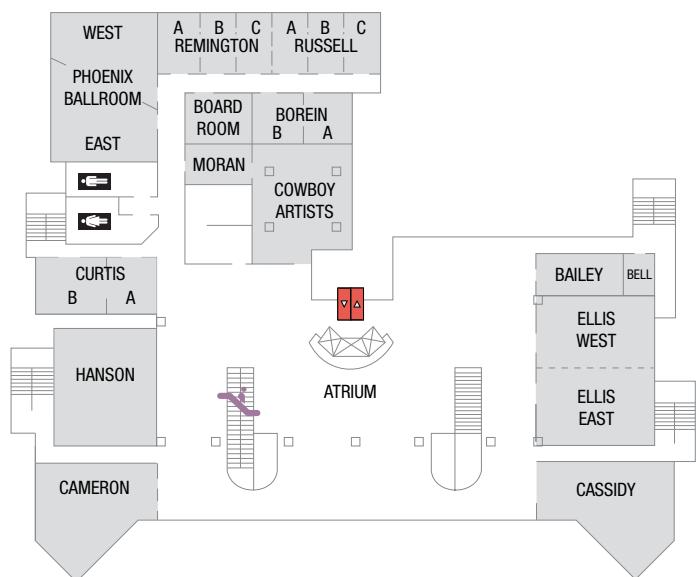
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Third Floor



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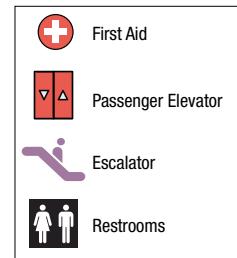
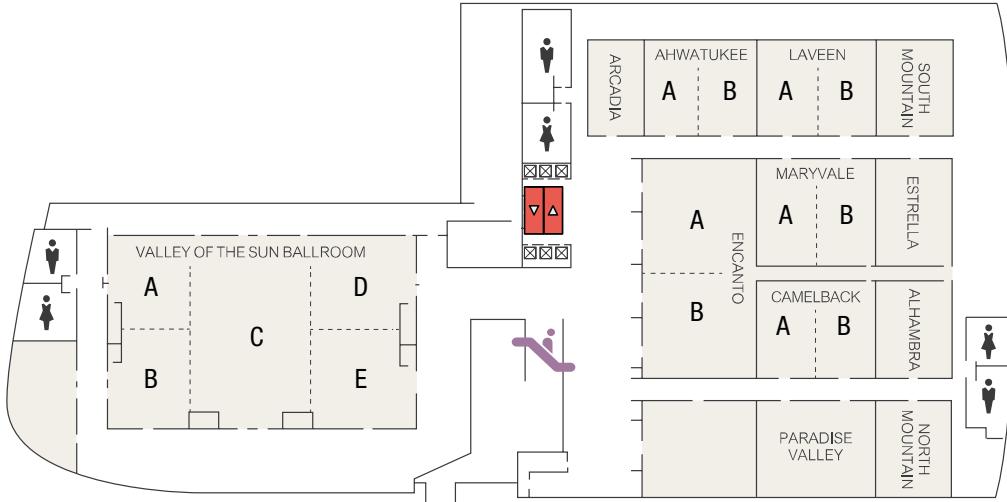


Sheraton Phoenix Downtown

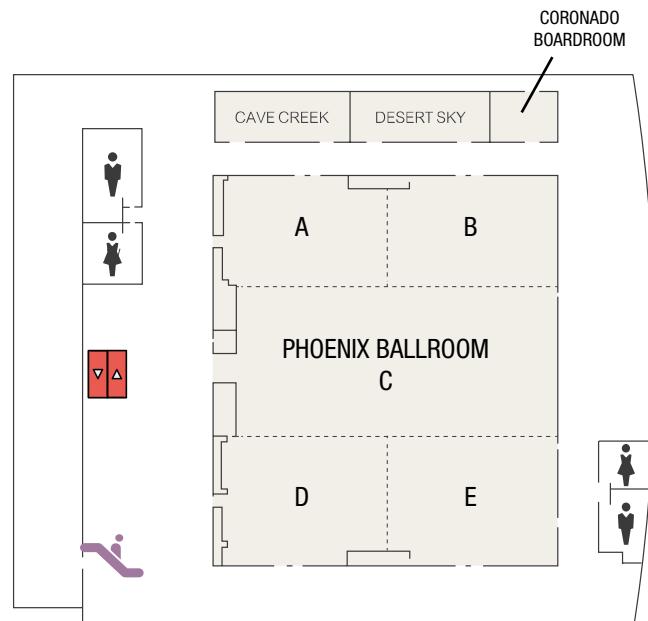


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Second Level



Third Level



Fourth Level

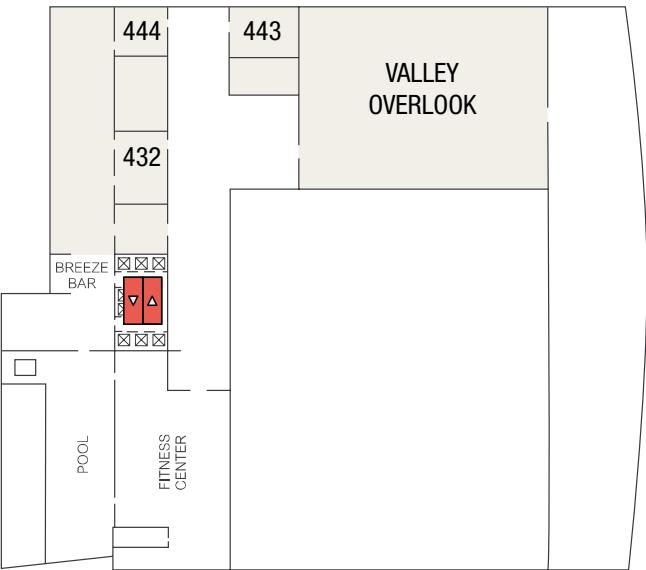


Exhibit Floor Plan



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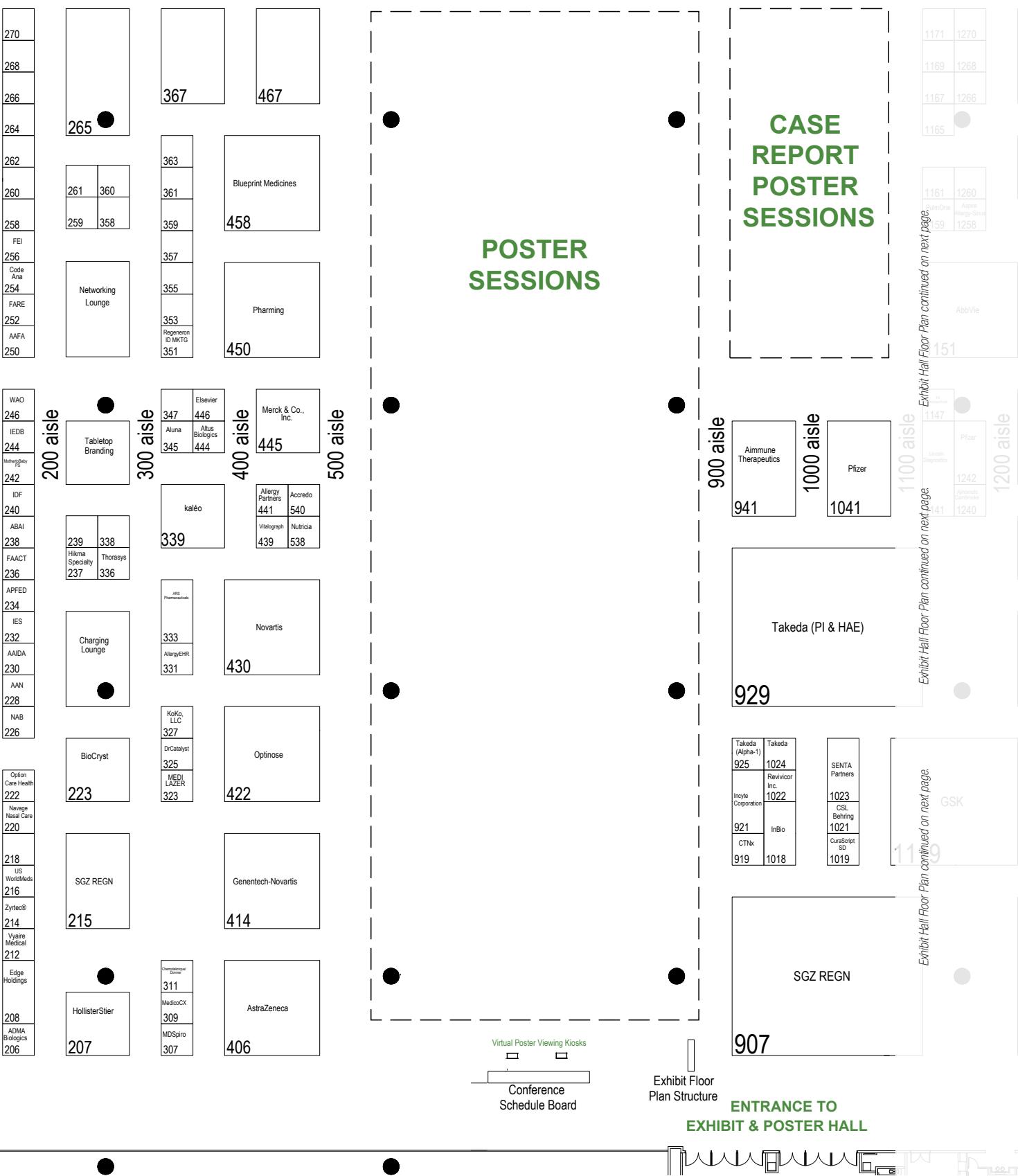


Exhibit Floor
Plan Structure

structure
**ENTRANCE TO
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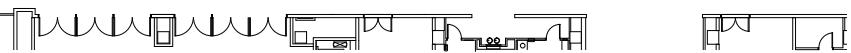
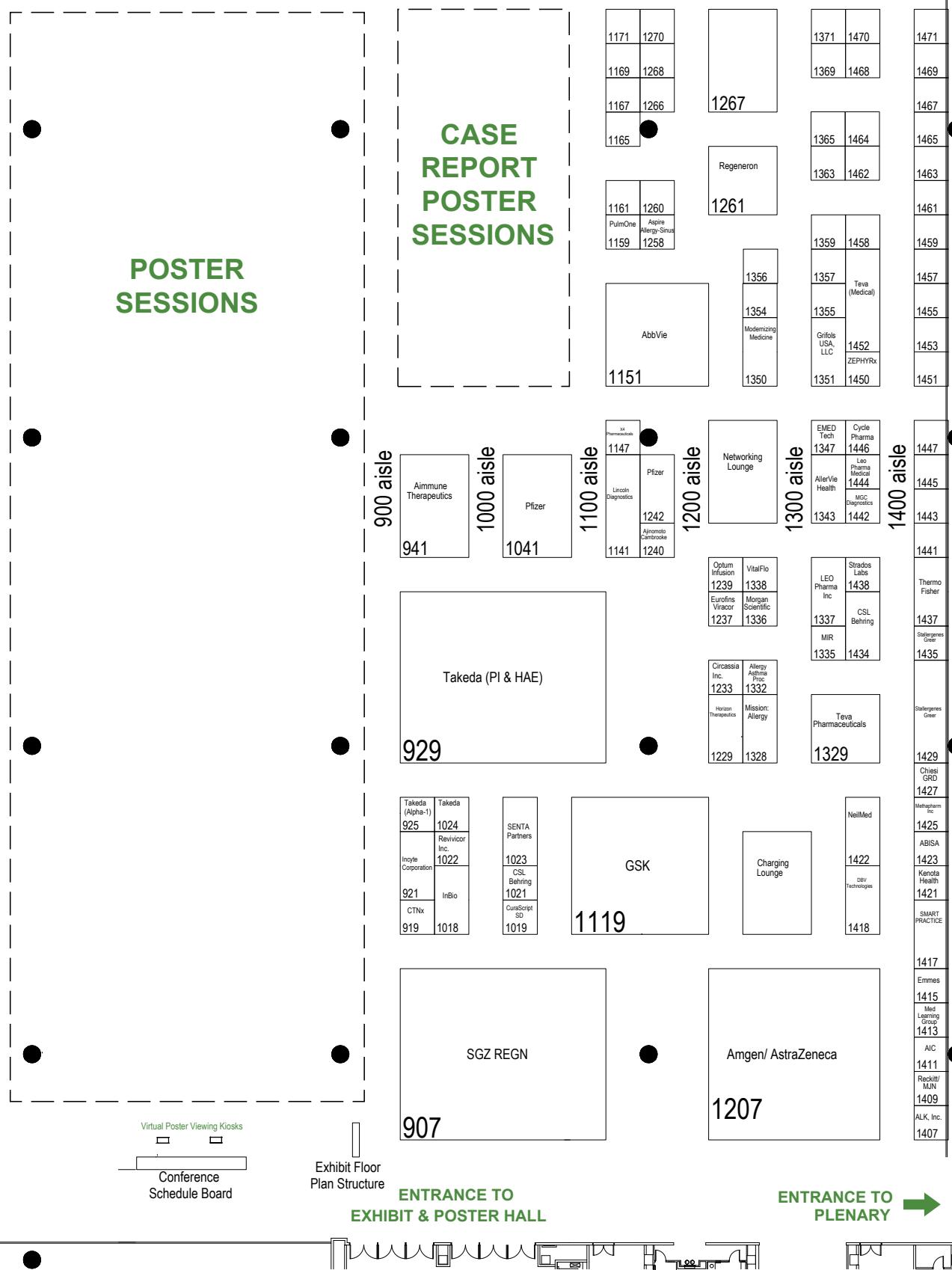
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POSTER SESSIONS

CASE REPORT POSTER SESSIONS



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- Aalberse, Rob, C., PhD FAAAAI, Duivendrecht, Netherlands - 5216
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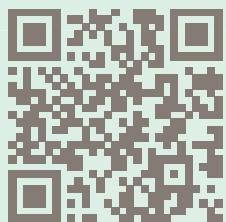
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