

Seminars

7:00 to 8:00 am
 Credit: 1.00 CME / 1.20 CE
 Pre-registration and ticket required. Fee: \$40. Continental breakfast included. Sessions and meals limited to 30 people.

- 5001 Eosinophilic Esophagitis: Practical Aspects of Assessing Immediate and Delayed Food Hypersensitivity**
Mark Holbreich, MD FAAAAI
Amir F. Kagalwalla, MD
- 5002 Outpatient Evaluation of Patients with Multiple Drug Allergy Syndrome**
David A. Khan, MD FAAAAI
Roland Solensky, MD FAAAAI
- 5003 How to Safely Do Drug Challenges in the Office: A Practical Approach**
Eric M. Macy, MD FAAAAI
Stephen A. Tilles, MD FAAAAI
- 5004 Dermatology for the Allergist**
Vincent S. Beltrani, MD
Peter Lio, MD
- 5005 Food Protein-Induced Enterocolitis Syndrome (FPIES): Diagnosis and Management**
Jonathan M. Spergel, MD PhD FAAAAI
Robert A. Wood, MD FAAAAI
- 5006 Rush/Cluster Immunotherapy: Pearls and Protocols**
Linda Cox, MD FAAAAI
Joseph T. Inglefield III, MD
- 5007 Laryngoscopy for VCD and GERD**
Allen D. Adinoff, MD FAAAAI
Corinna S. Bowser, MD FAAAAI
- 5008 Hypereosinophilic Disorders: Diagnosis and Treatment of Difficult Cases**
Carla M. Davis, MD
Amy D. Klion, MD
- 5009 Advanced Coding for Allergists**
Noga Askenazi, MD FAAAAI
Stephen A. Imbeau, MD FAAAAI
- 5010 Perioperative Anaphylaxis: Anesthetics, Antibiotics, Latex and Others**
Gordon L. Sussman, MD FAAAAI
Kristen K. Volkman, MD

Plenary

- 5101 Immunology at the Epithelial Frontier**
 8:15 to 9:45 am
 Credit: 1.50 CME / 1.80 CE
Moderator: Steve Ziegler, PhD
- 8:15 Allergen Interactions with Epithelial Surfaces**
Marsha A. Wills-Karp, PhD
- 8:45 Epithelial Cells Determine Balance Between Tolerance and Immunity**
David Artis, PhD
- 9:15 Epithelial Barrier Recovery: A New Frontier in the Management of Allergic Diseases**
Lisa A. Beck, MD FAAAAI

Posters

Authors present: 9:45 to 10:45 am
 Poster hours: 7:00 am to 5:00 pm
Session titles and abstracts to be announced.

Symposium

- 5301 Updated Look at Asthma in Older Adults: From Basic Immunology to the Clinic**
 10:45 am to 12:00 pm
 Credit: 1.25 CME / 1.50 CE
Moderator: Mark F. Sands, MD FAAAAI
- 10:45 Immunology, Aging and Asthma**
Sameer K. Mathur, MD PhD
- 11:05 Asthma Severity in Older Adults: Impact of Genetic and Environmental Factors**
Tolly Epstein, MD
- 11:25 Outcomes and Treatment of Asthma in Older Adults**
Carol A. Saltoun, MD FAAAAI
- 11:45 Question & Answer**

Symposium

- 5302 Lessons from the Inner City Environment on the Immunologic Basis and Treatment of Allergy and Asthma**
 10:45 am to 12:00 pm
 Credit: 1.25 CME / 1.50 CE
Moderator: William W. Busse, MD FAAAAI
- 10:45 Immunologic Effects of Cockroach Sublingual Immunotherapy**
Robert A. Wood, MD FAAAAI
- 11:05 Insights into the Management of Asthma in Urban Children**
Stephen Teach, MD
- 11:25 Risk Factors for Early Wheezing**
James E. Gern, MD FAAAAI
- 11:45 Question & Answer**

Symposium ▼

- 5303 Silencing is Golden: microRNA Regulation of Immunity**
 10:45 am to 12:00 pm
 Credit: 1.25 CME / 1.50 CE
 Moderator: *Ivan K. Chinn, MD*
- 10:45 Physiologic and Pathologic Roles for microRNA in Immune Development and Function**
Luke O'Neill, PhD
- 11:05 The Biology of microRNA Accessory Proteins**
Rachel Jane Senturia, PhD
- 11:25 Diagnostic and Therapeutic Potential of microRNA in Allergic Disease**
Paul S. Foster, PhD
- 11:45 Question & Answer**

Symposium ▼

- 5304 Biomarkers for Monitoring Allergen Immunotherapy Induced Tolerance**
 10:45 am to 12:00 pm
 Credit: 1.25 CME / 1.50 CE
 Moderator: *Mohamed H. Shamji, BSc MSc PhD*
- 10:45 Serum and Local Biomarkers for Monitoring Allergen Immunotherapy**
Stephen R. Durham, MA MD FRCP
- 11:05 Use of IgG4 Arrays in Monitoring Allergen Immunotherapy: Are They Any Good?**
Robert G. Hamilton, PhD D.ABMLI FAAAAI
- 11:25 Cellular Assays for Monitoring Allergen Immunotherapy**
Speaker to be announced.
- 11:45 Question & Answer**

Symposium ▼

- 5305 Genetics of Food Allergy: Into the Future**
 10:45 am to 12:00 pm
 Credit: 1.25 CME / 1.50 CE
 Moderator: *A. Wesley Burks, MD FAAAAI*
- 10:45 Peanut Allergy and Loss-of-Function Variants in the Filaggrin Gene**
Sara Brown, MBChB
- 11:05 Eosinophilic Esophagitis and Variants of TSLP/TSLP Receptor**
Antonella Cianferoni, MD PhD
- 11:25 Mechanistic and Clinical Insights from a Novel Food Allergy-Related Syndrome**
Pamela A. Guerrerio, MD PhD
- 11:45 Question & Answer**

Symposium ▼

- 5306 Beyond Necrosis and Apoptosis: Spectrum of Cell Death**
 10:45 am to 12:00 pm
 Credit: 1.25 CME / 1.50 CE
 Moderator: *Hans-Uwe Simon, MD PhD FAAAAI*
- 10:45 Interplay of Autophagy with Apoptosis and Necrosis in T Cell Homeostasis**
Craig Walsh, PhD
- 11:05 Mechanisms and Effects of Necroptosis/Programmed Necrosis in T Cells**
Speaker to be announced.
- 11:25 Mechanism of NETosis: Neutrophil Cell Death Following Extrusion of DNA Traps**
Arturo Zychlinsky, PhD
- 11:45 Question & Answer**

Symposium ▼

- 5307 What You Need to Know About STATs**
 10:45 am to 12:00 pm
 Credit: 1.25 CME / 1.50 CE
 Moderator: *Gurjit K. Khurana Hershey, MD PhD FAAAAI*
- 10:45 Mechanisms of STAT-Induced CD4+ T Cell Differentiation**
John J. O'Shea Jr., MD
- 11:05 STAT Defects in the Pathogenesis of Primary Immunodeficiency Diseases**
Joshua D. Milner, MD
- 11:25 STAT Genetic Susceptibility Loci for Autoimmunity**
Speaker to be announced.
- 11:45 Question & Answer**

Pro/Con Debate ▼

- 5501 Skin Testing is Required in Choosing an Elimination Diet in Eosinophilic Esophagitis**
 12:30 to 1:30 pm
 Credit: 1.00 CME / 1.20 CE
 Moderator: *Wayne G. Schreffler, MD PhD FAAAAI*
- Pro**
Katrina J. Allen, MD PhD
- Con**
Mirna Chehade, MD

Pro/Con Debate ▼

- 5502 Immunotherapy Works via Regulatory T Cells**
 12:30 to 1:30 pm
 Credit: 1.00 CME / 1.20 CE
 Moderator: *Dorothy S. Cheung, MD FAAAAI*
- Pro**
Carsten B. Schmidt-Weber, PhD
- Con**
Thomas A.E. Platts-Mills, MD PhD FAAAAI

Pro/Con Debate ▼

5503 Subcutaneous Immunoglobulin is the Preferred Mode of Therapy for Primary Immunodeficiency

12:30 to 1:30 pm

Credit: 1.00 CME / 1.20 CE

Moderator: Christine M. Seroogy, MD FAAAAI

Pro

Ralph Shapiro, MD

Con

Erwin W. Gelfand, MD FAAAAI

Pro/Con Debate ▼

5504 Use of Probiotics Can Prevent and Treat Allergic Diseases

12:30 to 1:30 pm

Credit: 1.00 CME / 1.20 CE

Moderator: Anna H. Nowak-Wegrzyn, MD FAAAAI

Pro

Liam O'Mahony, MD

Con

Susan L. Prescott, MD PhD

Symposium ▼

5505 Evidence-Based Approach to Asthma Step Down: ICS or LABA

12:45 to 1:45 pm

Credit: 1.00 CME / 1.20 CE

Moderator: Christine A. Sorkness, PharmD

12:45 LABAs: The Good, Bad and Ugly

Thomas B. Casale, MD FAAAAI

1:05 Drop the LABA or Decrease the ICS? Evidence-Based Approach to Step-Down Care

Jan Brozek, MD

1:25 Balancing the FDA and EPR3 Recommendations on LABA Use

Monica Kraft, MD

Oral Abstracts

2:00 to 3:15 pm

Credit: 1.25 CME / 1.50 CE

Session titles, speakers and abstracts to be announced.

Problem-Based Learning Workshop

5701 The Child with Chronic Cough

3:30 to 4:45 pm

Pre-registration and ticket required. Fee: \$50.

Credit: 1.25 CME / 1.50 CE

Moderator: Bradley E. Chipps, MD FAAAAI

Alan B. Goldsobel, MD FAAAAI

Panel Discussion Workshop ▼

5702 Asthma and COPD: Similarities and Differences

3:30 to 4:45 pm

Credit: 1.25 CME / 1.50 CE

Moderator: Sally E. Wenzel, MD FAAAAI

Monica Kraft, MD

Ian D. Pavord, MD

Q & A Workshop ▼

5703 Diesel Exhaust Exposure and Children's Health

3:30 to 4:45 pm

Credit: 1.25 CME / 1.50 CE

Moderator: Andrew M. Smith, MD

3:30 New Insights from the Cincinnati Birth Cohort

David I. Bernstein, MD FAAAAI

3:45 Immunologic Mechanisms

Gurjit K. Khurana Hershey, MD PhD FAAAAI

4:00 Diesel Exhaust and Allergen Interactions

David Diaz Sanchez, PhD

4:15 Question & Answer

Q & A Workshop

5704 Innate Immunity and Allergic Disease: Evidence and Controversies

3:30 to 4:45 pm

Credit: 1.25 CME / 1.50 CE

Moderator: Dale T. Umetsu, MD PhD FAAAAI

3:30 NK in Atopic Diseases: What is the Evidence?

Gunnur Deniz, MD

3:45 iNKT and Lipid Allergens: Their Role in Environmental and Food Allergies

Antonella Cianferoni, MD PhD

4:00 Macrophages: Which Role Do They Play in Asthma

Mitchell H. Grayson, MD FAAAAI

4:15 Question & Answer

Panel Discussion Workshop

5705 Mechanisms of Virus/Allergen Interactions

3:30 to 4:45 pm

Credit: 1.25 CME / 1.50 CE

Moderator: Peter W. Heymann, MD

Patrick G. Holt, DSc

Daniel J. Jackson, MD

Nikolaos G. Papadopoulos, MD FAAAAI

Q & A Workshop

5706 Eosinophilic Esophagitis: Treatment Options

3:30 to 4:45 pm

Credit: 1.25 CME / 1.50 CE

Moderator: Javed Sheikh, MD FAAAAI

3:30 Dietary Elimination in EE Patients

Mirna Chehade, MD

3:45 Food Reintroduction

Katrina J. Allen, MD PhD

4:00 When Dietary Elimination is Not Enough: Prognosis

Jonathan M. Spergel, MD PhD FAAAAI

4:15 Question & Answer

Q & A Workshop ▼

- 5707 Alternate Models of Anaphylaxis**
3:30 to 4:45 pm
Credit: 1.25 CME / 1.50 CE
Moderator: Phillip L. Lieberman, MD FAAAAI
- 3:30 IgE and Non-IgE Mediated Models of Anaphylaxis**
Fred D. Finkelman, MD
- 3:45 Anaphylaxis to Parasites**
Thomas B. Nutman, MD
- 4:00 Anaphylaxis to Mammalian Meat After Tick Bites**
Thomas A.E. Platts-Mills, MD PhD FAAAAI
- 4:15 Question & Answer**

Q & A Workshop ▼

- 5708 Asthma Therapies and the FDA: Black Box Warning**
3:30 to 4:45 pm
Credit: 1.25 CME / 1.50 CE
Moderator: Stephen A. Tilles, MD FAAAAI
- 3:30 The LABAs**
Malcom R. Sears, MD FAAAAI
- 3:45 Leukotriene Modifiers**
Jay M. Portnoy, MD FAAAAI
- 4:00 Omalizumab and the FDA**
William W. Busse, MD FAAAAI
- 4:15 Question & Answer**

Q & A Workshop

- 5709 Fundamentals of Clinical Research Studies: Principles and Processes**
3:30 to 4:45 pm
Credit: 1.25 CME / 1.50 CE
Moderator: Mary M. Klote, MD
- 3:30 Principals of Good Clinical Practice in Conducting Clinical Research Studies**
Mary M. Klote, MD
- 3:45 Understanding the Basics in Managing Clinical Research Studies**
Mark H. Moss, MD
- 4:00 Investigator and Study Site Responsibilities and Liability in Clinical Trials**
Christine A. Sorkness, PharmD
- 4:15 Question & Answer**

Panel Discussion Workshop ▼

- 5710 Is your Office Providing Optimal Allergen Immunotherapy?**
3:30 to 4:45 pm
Credit: 1.25 CME / 1.50 CE
Moderator: Richard F. Lockey, MD FAAAAI
Mark S. La Shell, MD
Bryan L. Martin, DO FAAAAI
Michael S. Tankersley, MD FAAAAI

Q & A Workshop ▼

- 5711 Experimental Models of Allergic Rhinitis: What is Their Clinical Relevance?**
3:30 to 4:45 pm
Credit: 1.25 CME / 1.50 CE
Moderator: Fuad M. Baroody, MD FAAAAI
- 3:30 Experimental Allergen Challenge Techniques in Allergic Rhinitis**
Martin Wagenmann, MD FAAAAI
- 3:45 Utility of Environmental Exposure Units in Allergic Rhinitis**
Anne K. Ellis, MD
- 4:00 Clinical Relevance of Allergen Challenges in the Therapy of Allergic Rhinitis**
Alkis Togias, MD FAAAAI
- 4:15 Question & Answer**

Q & A Workshop ▼

- 5712 Anaphylaxis and Mastocytosis: The Spectrum of Clonal and Non-Clonal Systemic Mast Cell Activation**
3:30 to 4:45 pm
Credit: 1.25 CME / 1.50 CE
Moderator: Luis Escribano, MD PhD FAAAAI
- 3:30 Mast Cell Activation and Signaling Pathways**
Dean D. Metcalfe, MD FAAAAI
- 3:45 Immune Deficiency in Urticaria: New Molecular Understanding**
Joshua D. Milner, MD
- 4:00 Mast Cell Mediators: Release and Systemic Consequences in Anaphylaxis and Mastocytosis**
Melody C. Carter, MD
- 4:15 Question & Answer**

Q & A Workshop

- 5713 Th2 Heterogeneity: Does Function Follow Form?**
3:30 to 4:45 pm
Credit: 1.25 CME / 1.50 CE
Moderator: Mark Larche, PhD
- 3:30 CCR8+, IL-5+ Th2 Cells in Mouse Models of Atopic Dermatitis**
Andrew D. Luster, MD PhD
- 3:45 Regulatory and Th2 Cell Contribution to Atopic Dermatitis**
Judith A. Woodfolk, MBChB PhD FAAAAI
- 4:00 Th2+17 Cells in Asthma**
Yui-Hsi Wang, PhD
- 4:15 Question & Answer**

BYOP Workshop

- 5714 Difficult Situations in Practice Management**
3:30 to 4:45 pm
Pre-registration and ticket required. No fee.
Credit: 1.25 CME / 1.50 CE
Moderator: Weily Soong, MD
- Contracts**
David A. Brown, MD
Adhuna C. Mathuria, MD
- Hiring and Firing**
Marshall P. Grodofsky, MD FAAAAI
Vinay Mehta, MD
- Marketing**
Stanley M. Fineman, MD MBA FAAAAI
Paul M. Carter, MD MHCM FAAAAI