Sunday, March 4

**Seminars**

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

3001  **Induced Sputum Cell Counts in Practice and Research**  
Stephen C. Lazarus, MD  
Parameswaran K. Nair, MD

3002  **Chest Pain and Death in Sports**  
Jack M. Becker, MD  
William S. Silvers, MD FAAAAI

3003  **Recurrent Infections in Pediatrics: Allergies or Immunodeficiency?**  
Jason W. Caldwell, DO  
Laurence E. Cheng, MD PhD

3004  **Understanding Autoimmunity in Immunodeficiencies**  
Troy R. Torgerson, MD PhD  
Jolan E. Walter, MD PhD

3005  **Fungal Diseases of the Lower Airway: Report from the Task Force**  
Paul A. Greenberger, MD FAAAAI  
Alan P. Knutsen, MD FAAAAI

3006  **The Impact of Environmental Factors on the Progression of Atopic Diseases**  
David Eltayam, MD  
Wanda Phapatanakul, MD MS FAAAAI

3007  **Food Challenges in the Office Setting**  
S. Allan Bock, MD FAAAAI  
Justin M. Skripak, MD

3008  **Physical Urticaria and Idiopathic Urticaria: Clinical Perspectives**  
Laura Gober, MD  
David R. Weldon, MD FAAAAI

3009  **Anaphylaxis to Ingested Environmental Allergens**  
Morna J. Dorsey, MD MMSc FAAAAI  
Mario Sanchez-Borges, MD FAAAAI

3010  **Electronic Medical Records: What an Allergist Needs**  
David L. Patterson, MD FAAAAI  
David J. Shulan, MD FAAAAI

3011  **Improved Patient Care Through Lawsuit Protection and Prevention**  
Ernest N. Charlesworth, MD  
James L. Sublett, MD FAAAAI

3012  **New Insights on Local and Systemic Mechanisms of Allergen and Peptide Immunotherapy**  
Mark Larche, PhD  
Mohamed H. Shamji, BSc MSc PhD

3013  **Topical Therapy for Chronic Rhinosinusitis**  
Daniel L. Hamilos, MD FAAAAI  
Anju Peters, MD FAAAAI

3014  **Use of Cultured Mast Cells and Mast Cell Lines in the Study of Allergic Inflammation**  
Larry Borish, MD FAAAAI  
David F. LaRosa, MD

3015  **Vitamin D in Allergic and Immune Disorders**  
Audreesh Banerjee, MD  
Marianne Frieri, MD PhD FAAAAI

**Allied Health Workshop**

3021  **Up in the Air: What You and Your Patients Need to Know about Outdoor Air Quality**  
6:45 to 8:00 am  
Credit: 1.25 CME / 1.50 CE  
Moderator to be announced.  
Wade G. Hill, PhD APRN  
Kim Knowlton, PhD

**Allied Health Advanced Workshop**

3022  **What You Need to Know about Adverse Drug Reactions**  
6:45 to 8:00 am  
Credit: 1.25 CME / 1.50 CE  
Moderator: Kristin E. Kloos Olson, RN  
Antonina G. Evans, BPharm AE-C  
Miguel A. Park, MD

**Allied Health Seminars**

7:00 to 8:00 am  
Pre-registration and ticket required. Fee: $10. Refreshments included. Sessions limited to 30 people.
Credit: 1.00 CME / 1.20 CE

3041  **Practical Nutrition Advice for Patients and Families with Multiple Food Allergies**  
G. Lynn Christie, MS RD  
Wendy Elverson, RD LDN

3042  **The Components of Control: Environment, Medication and Immunotherapy: Pros and Cons**  
Karen S. Rance, DNP RN CPNP AE-C  
Delidra Henley Sanders, NP

3043  **Where Food Allergy Stops and Eosinophilic Esophagitis Begins**  
Patricia J. Markus, BSN RN AE-C  
Catherine R. Weiler, MD PhD FAAAAI

3044  **Case Studies in Recurrent Infections**  
Marciarose Winston, MSN CPNP AE-C  
M. Elizabeth M. Younger, CRNP PhD
Sunday, March 4

Plenary

3101 Environmental Impacts on Asthma
8:15 to 9:45 am
Credit: 1.50 CME / 1.80 CE
Moderator: Jonathan A. Bernstein, MD FAAAAI
8:15 Sensitizations of Chemical Allergens: From the Skin to the Airway
Rebecca J. Dearman, PhD
8:45 Occupational Asthma: Lessons Learned from Seafood Workers
Andre Carlier, MD FAAAAI
9:15 How Pollutants Affect Wheezing and Childhood Asthma
David I. Bernstein, MD FAAAAI

Posters
Authors present: 9:45 to 10:45 am
Poster hours: 7:00 am to 5:30 pm
Session titles and abstracts to be announced.

Symposium

3301 New Approaches to Asthma Diagnosis and Treatment
10:45 am to 12:00 pm
Credit: 1.25 CME / 1.50 CE
Moderator: Monica Kraft, MD
10:45 Update on Asthma Phenotypes
Sally E. Wenzel, MD FAAAAI
11:05 What is an Asthma Endotype?
Speaker to be announced.
11:25 Personalized Asthma Treatment
Parameswaran K. Nair, MD
11:45 Question & Answer

Symposium

3302 Demystifying Aspirin-Exacerbated Respiratory Disease
10:45 am to 12:00 pm
Credit: 1.25 CME / 1.50 CE
Moderator: Mariana C. Castells, MD PhD FAAAAI
10:45 Understanding Mediators in Aspirin Reactions: The Role of COX1-COX2
Joshua A. Boyce, MD FAAAAI
11:05 Evidence for Platelets as Effectors in Human Asthma
Tanya M. Laidlaw, MD
11:25 Aspirin Reactions and Desensitizations: Safety and Outcomes
Katherine M. Woessner, MD FAAAAI
11:45 Question & Answer

Symposium

3303 Innate Effectors of Allergic Responses
10:45 am to 12:00 pm
Credit: 1.25 CME / 1.50 CE
Moderator: Larry Borish, MD FAAAAI
10:45 Epithelial Cell-Dendritic Cell Interactions in the Airway Mucosa
Hirohito Kita, MD
11:05 Innate Effector Mechanisms in Food Allergy
Paul J. Bryce, PhD
11:25 Nuocytes and the Expanding World of Innate Lymphoid Cells
Andrew McKenzie, PhD
11:45 Question & Answer

Symposium

3304 Bacteria and Viruses: Fighting Dirty
10:45 am to 12:00 pm
Credit: 1.25 CME / 1.50 CE
Moderator: Nikolaas G. Papadopoulos, MD FAAAAI
10:45 Bacteria and Microbiome in Early Life and Asthma
Hans Bisgaard, MD
11:05 Clinical Evidence for Defective Responses to Infection Among Asthmatic Individuals
Tina V. Hartert, MD MPH
11:25 Viral Suppression of Antibacterial Immune Response
Jay K. Kolis, MD
11:45 Question & Answer

Symposium

3305 Epithelial Breakdown and Susceptibility to Disease: Immunological Insights
10:45 am to 12:00 pm
Credit: 1.25 CME / 1.50 CE
Moderator: John W. Steinke, PhD FAAAAI
10:45 Breakdown of Skin Epithelium and Development of Atopic Dermatitis
Michael D. Howell, PhD
11:05 Apoptosis of Lung Epithelium and Induction of Inflammation
Kodi S. Ravichandran, MD
11:25 Airway Epithelium and Induction of the Innate and Adaptive Immune Response
Atsushi Kato, PhD
11:45 Question & Answer

Symposium

3306 Molecular Diagnosis: Potential Tools for the Practicing Allergist
10:45 am to 12:00 pm
Credit: 1.25 CME / 1.50 CE
Moderator: Jörg R. Kleine-Tebbe, MD FAAAAI
10:45 Multiplex and Singleplex Systems: Improving Diagnosis of Cross-Reactivity for Inhalant Allergens
Ronald Van Ree, PhD FAAAAI
11:05 Food Allergy Protein Families: Skin Testing and IgE Molecular Diagnosis to Predict Risk
Monserrat Fernández-Rivas, MD PhD FAAAAI
11:25 Allergenic Molecules in Hymenoptera Venom Hypersensitivity: Improved Differentiation and Higher Analytical Sensitivity
Markus W. Olert, MD
11:45 Question & Answer
Sunday, March 4

Symposium ▼

3307 World Allergy Forum: Food Allergy: Pathogenesis and Prevention
10:45 am to 12:00 pm
Programmed by AAAAI and WAO. Funded through an educational grant from Novartis.
Credit: 1.25 CME / 1.50 CE
Moderators: Dennis K. Ledford, MD FAAAAI
Ruby U. Pawankar, MD PhD FAAAAI

10:45 Prenatal Events and Development of Food Allergies
Susan L. Prescott, MD PhD

11:05 Early Dietary Exposures and Feeding Practices
Scott H. Sicherer, MD FAAAAI

11:25 Food Allergy and Atopic Eczema
Gideon Lack, MD

11:45 Question & Answer

Allied Health Symposium ▼

3311 Asthma and Obesity: Should We Do More?
10:45 am to 12:00 pm
Credit: 1.25 CME / 1.50 CE
Moderator: Maureen George, PhD RN AE-C

10:45 Is There a Link Between Asthma and Obesity?
Peyton A. Eggleston, MD FAAAAI

11:15 Manage Across the Ages: Is the Focus that Different?
Christine W. Wagner, CPNP CFNP AE-C

11:45 Question & Answer

Allied Health Symposium ▼

3312 IVIG and Other Options
10:45 am to 12:00 pm
Credit: 1.25 CME / 1.50 CE
Moderator: M. Elizabeth M. Younger, CRNP PhD

10:45 When to Use IVIG
Mark Ballow, MD FAAAAI

11:05 Practical Aspects of SubQ vs. IVIG
M. Elizabeth M. Younger, CRNP PhD

11:25 Non-Standard Uses of IVIG
Charlotte Cunningham-Rundles, MD PhD FAAAAI

11:45 Question & Answer

Allied Health Workshop ▼ ▼

3313 Practical Behavioral and Management Tips for Atopic Dermatitis: Case Studies from the Trenches
10:45 am to 12:00 pm
Credit: 1.25 CME / 1.50 CE
Moderator: Lynda C. Schneider, MD FAAAAI
Jennifer S. LeBovidge, PhD
Karol G. Timmons, RN MS CPNP

Allied Health Workshop ▼

3314 The ABCs of Vitamin D and Asthma
10:45 am to 12:00 pm
Credit: 1.25 CME / 1.50 CE
Moderator: Karen S. Rance, DNP RN CPNP AE-C
Nicolette De Jong, PhD
Karen L. Gregory, DNP APRN-BC CNS RRT AE-C
Karen S. Rance, DNP RN CPNP AE-C

Allied Health Advanced Workshop ▼

3315 Smoking Cessation Pearls for the Clinician
10:45 am to 12:00 pm
Credit: 1.25 CME / 1.50 CE
Beth A. Allison, NP
Michael S. Tankersley, MD FAAAAI

Seminars ▼ ▼

12:30 to 1:30 pm
Credit: 1.00 CME / 1.20 CE
Pre-registration and ticket required. Fee: $40. Box lunch included. Sessions and meals limited to 30 people.

3501 Mechanisms of Corticosteroid Insensitivity in Asthma
Elena Goleva, PhD
Pia J. Hauk, MD

3502 Pulmonary Function Testing in Infants
Howard Eigen, MD
Robert S. Tepper, MD

3503 Elevated IgE and Infections: Is it a Primary Immunodeficiency?
Alexandro F. Freeman, MD
Bodo Grimbacher, MD

3504 What’s New in Testing for Primary Immunodeficiency Disorders?
Harry R. Hill, MD
Roshini S. Abraham, PhD FAAAAI

3505 Universal Newborn Screening for T Cell Deficiencies: Achievements and Surprising Findings
Lisa J. Kobrynski, MD MPH FAAAAI
Jennifer M. Puck, MD

3506 Problem-Based Learning: How to Inform Your Patients about Home Indoor Air Quality (Healthy Homes)
Jay M. Portnoy, MD FAAAAI
James L. Sublett, MD FAAAAI

3507 Let’s Take the Myth-stery Out of Mold
James J. Anderson, MLT
Peter J. Plyn, PhD

3508 Hereditary Angioedema: Home Therapy
Marc A. Riedl, MD
Lanny J. Rosenwasser, MD FAAAAI

3509 Difficult Cases in Anaphylaxis: Biphagic and Protracted Anaphylaxis
Terri F. Brown-Whitehorn, MD
Frank J. Twarog, MD PhD FAAAAI
### Sunday, March 4

#### Pro/Con Debate

**3520** Peanut Oral Immunotherapy is Ready for Use in Clinical Practice  
12:30 to 1:30 pm  
Credit: 1.00 CME / 1.20 CE  
Moderator: S. Allan Bock, MD FAAAAI  
Pro  
Richard L. Wasserman, PhD FAAAAI  
Con  
Hugh A. Sampson, MD FAAAAI

#### Pro/Con Debate

**3522** Rhinovirus is More Important than RSV in Asthma Inception  
12:30 to 1:30 pm  
Credit: 1.00 CME / 1.20 CE  
Moderator: Patrick G. Holt, DSc  
Pro  
Robert F. Lemanske Jr., MD FAAAAI  
Con  
Tina V. Hartert, MD MPH

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### Allied Health Oral Abstract Session

**3520** Oral Abstract Luncheon  
12:15 to 1:30 pm  
Pre-registration and ticket required. Fee: $40. Box lunch included.  
Registration open to allied health professionals only.  
Credit: 1.25 CME / 1.50 CE  
Moderator to be announced.  
Speakers to be announced.

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### Symposium

**3525** Future Funding of Graduate Medical Education in Allergy/Immunology  
12:30 to 1:30 pm  
Credit: 1.00 CME / 1.20 CE  
Moderator: Lawrence B. Schwartz, MD PhD FAAAAI  
Atul Grover, MD PhD

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### Symposium

**3526** FDA’s Review of the Efficacy and Safety of Non-Standardized Allergen Extracts  
12:30 to 1:30 pm  
Credit: 1.00 CME / 1.20 CE  
Moderator: Jay E. Slater, MD  
12:30 **FDA’s Efficacy Review of Non-Standardized Allergen Extracts**  
Speaker to be announced.  
11:25 **Efficacy and Safety of Non-Standardized Allergen Extracts Used in the U.S.**  
Jay E. Slater, MD  
11:45 **Question & Answer**

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### Symposium

**3527** RADAR (The Regional Advocacy Discussion and Response Initiative): Training the Practicing Allergist  
12:30 to 1:30 pm  
Credit: 1.00 CME / 1.20 CE  
Moderator: Sharon B. Markovics, MD FAAAAI  
12:30 **RADAR Initiative: Description and Goals**  
James M. Tracy, DO FAAAAI  
12:50 **RADAR Mechanics Overview**  
J. Allen Meadows, MD  
1:10 **Question & Answer**  
James L. Sublett, MD FAAAAI
Sunday, March 4

**Orlando**

### Oral Abstracts

2:00 to 3:15 pm  
Credit: 1.25 CME / 1.50 CE  
Session titles, speakers and abstracts to be announced.

### Interest Section Forum ▼

#### 3701 ADT Interest Section Forum

3:30 to 5:30 pm  
Credit: 1.50 CME / 1.80 CE  
Moderator: John Oppenheimer, MD FAAAAI

- 3:30 Business Meeting
- 3:45 Adherence  
  Cynthia S. Rand, PhD
- 4:10 Maintenance and Reliever  
  Paul M. O’Byrne, MD FAAAAI
- 4:35 Break
- 4:50 Once Daily or As Needed Therapy  
  Stephen P. Peters, MD PhD FAAAAI
- 5:15 Question & Answer

#### 3702 BCI Interest Section Forum

3:30 to 5:30 pm  
Credit: 1.50 CME / 1.80 CE  
Moderator: Jordan Orange, MD PhD FAAAAI

- 3:30 Announcements and Recognitions
- 3:40 Controlling Immune Responses from Within: Human Defects Identified Through a Passion for Lymphocyte Biology  
  Speaker to be announced.
- 4:25 Committee Acknowledgements and Committee Reports
- 4:35 Genetics of the Most Common Antibody Deficiencies  
  Bodo Grimbacher, MD
- 5:20 AMPC Future Planning and Venues for New Business

#### 3703 EORD Interest Section Forum

3:30 to 5:30 pm  
Credit: 1.25 CME / 1.50 CE  
Moderator: Richard W. Weber, MD FAAAAI

- 3:30 Climate Change and Our Environment: The Impact on Allergic Diseases  
  Estelle Levetin, PhD FAAAAI
- 4:00 How Our Changing Ecosystem Affects Respiratory Disease and the Allergist  
  Giancarlo D’Amato, MD FAAAAI
- 4:30 Question & Answer
- 4:45 Business Meeting

### Interest Section Forum ▼

#### 3704 FADDA Interest Section Forum

3:30 to 5:30 pm  
Credit: 1.50 CME / 1.80 CE  
Moderator: Mariana C. Castells, MD PhD FAAAAI

- 3:30 Angioedema  
  Bruce L. Zuraw, MD
- 4:00 Stinging Insect Hypersensitivity  
  David B.K. Golden, MD FAAAAI
- 4:30 Food Allergy Guidelines  
  A. Wesley Burks, MD FAAAAI
- 5:00 Business Meeting

#### 3705 HEDQ Interest Section Forum

3:30 to 5:30 pm  
Credit: 1.75 CME / 2.00 CE  
Moderator: Andrew G. Weinstein, MD FAAAAI

- 3:30 Business Meeting
- 3:50 Accountable Care Organizations: The Vision, Evolving Trends and Future Realities  
  Jonathan Niloff, MD
- 4:35 Accountable Care and Chronic Disease Management: Allergy Case Study  
  Daniel G. Steinberg, MD FAAAAI
- 5:20 Question & Answer

#### 3706 IRSOC Interest Section Forum

3:30 to 5:30 pm  
Credit: 1.00 CME / 1.20 CE  
Moderator: Fuad M. Baroody, MD FAAAAI

- 3:30 Rhinosinusitis and Ocular Allergy Committee Report  
  Sergio Bonini, MD
- 4:10 Genotyping Chronic Rhinosinusitis  
  Martin Desrosiers, MD
- 4:30 Tying it all Together and a Path for Future Discovery  
  Larry Borish, MD FAAAAI
- 4:50 Immunotherapy, Allergen Standardization and Allergy Diagnostics Committee Report  
  Désirée E.S. Larenas Linnemann, MD FAAAAI
- 5:10 Cough Committee Report  
  Arvind Madaan, MD FAAAAI
Sunday, March 4

Interest Section Forum ▼

3707 MAAI Interest Section Forum
3:30 to 5:30 pm
Credit: 1.50 CME / 1.80 CE
Moderator: Susan M. MacDonald, MD FAAAAI

3:30 Business Meeting

4:00 Role of Macrophages in the Regulation of Th2 Responses
   Thomas A. Wynn, PhD

4:30 Dendritic Cell–Basophil Cooperation in the Th2 Response to
   Cysteine Proteases
   Bali Pulendran, PhD

5:00 Effect of Anti-IgE Treatment on Dendritic Cell Response
   John T. Schroeder, PhD

Featured Poster Session and Reception
5:30 to 7:30 pm
This poster session will feature science deemed of high significance
in the field of allergy/immunology. These abstracts will be facilitated
by Interest Section leadership. All Annual Meeting delegates and their
guests are invited to attend this event.