

# Tenth Annual Nemaconlin International Asthma Conference

**An Interactive Forum on Patient Care, Therapy and Research**

*Friday through Sunday, October 30 – November 1, 2015  
Nemaconlin Woodlands Conference Center  
Farmington, Pennsylvania*



**SPONSORED BY**

Department of Medicine  
Division of Allergy, Asthma and Immunology  
Allegheny General Hospital  
Allegheny Health Network  
Pittsburgh, Pennsylvania

**In collaboration with**

The Cleveland Clinic Foundation  
Cleveland, Ohio

Allegheny Health Network



**Allegheny General  
Hospital**



**Cleveland Clinic  
Hospital**

## Conference Overview

Despite significant advances in our understanding of the pathophysiology and treatment of asthma, and the availability of national and international guidelines on the diagnosis and treatment of asthma, recent surveys show that asthma control and morbidity have not improved. Research is being conducted to address many of these issues. This conference will bring the latest research developments in this rapidly changing field to health care professionals practicing, researching and teaching asthma care.

Asthma exists in diverse environments and populations and varies in severity by time and patient. Moreover, based on the results of recent research, asthma is being viewed less as a disease and more as a syndrome with multiple phenotypes and endotypes. The resultant heterogeneity forms the basis for the education and discussion embedded in the NemaColin International Asthma Conference, which takes pride in being one of the only conferences in the world dedicated exclusively to asthma. Its purpose is to create a highly-interactive educational environment, including the world's best asthma researchers, teachers, and clinicians, to critique cutting-edge research and translate key research findings into clinical pearls that will benefit patients with asthma.

## Intended Audience and Objectives

This conference is intended for primary care physicians, pediatricians, pulmonologists, allergists, physician assistants, nurse practitioners, ENTs and asthma specialists.

At the conclusion, participants should have the ability to:

- Describe the long-term evolution of our understanding of asthma pathogenesis and treatment
- Describe unique aspects of severe asthma
- Describe new phenotypes of asthma
- Describe and understand the process of drug development for asthma
- Identify factors that contribute to the urban asthma epidemic and severe asthma in children
- Describe dietary and environmental influences on asthma inception and severity
- Differentiate chronic obstructive pulmonary disease (COPD) from asthma and other lung diseases
- Use biomarkers to predict therapeutic responses in asthma
- Prescribe optimal therapy for patients with asthma and COPD considering efficacy and safety
- Prescribe personalized immunomodulatory therapy for asthma
- Understand the roles of allergy and viruses in asthma
- Identify responders to Bronchial Thermoplasty
- Translate recent research findings into approaches to patients in clinical practice
- Anticipate future research that will impact our understanding and treatment of asthma

## Intended Outcome

To positively impact the morbidity and cost of asthma by providing health care practitioners with recommendations on the care of patients with asthma that are based on the most up-to-date research conducted by the world's leading asthma experts.

## Conference Directors

### Deborah Gentile, MD

Professor of Medicine  
Temple University School of Medicine  
Director of Research  
Division of Allergy, Asthma and Immunology  
Department of Medicine  
Allegheny Health Network  
Pittsburgh, Pennsylvania

### Giovanni Piedimonte, MD, FAAP, FCCP

The Steven and Nancy Calabrese Chair for  
Excellence in Pediatric Care, Research and Education  
Professor and Chair of Pediatrics, Cleveland Clinic Lerner  
College of Medicine of Case Western Reserve University  
Chairman, Cleveland Clinic Pediatric Institute  
Physician-in-Chief, Cleveland Clinic Children's Hospital  
President, Cleveland Clinic Children's Hospital for  
Rehabilitation  
Cleveland, Ohio

### David P. Skoner, MD

Professor of Medicine  
Temple University School of Medicine  
Director, Division of Allergy, Asthma and Immunology  
Department of Medicine  
Allegheny Health Network  
Pittsburgh, Pennsylvania

### Sally E. Wenzel, MD

Professor of Medicine  
Director, University of Pittsburgh Asthma Institute  
Subsection Chief of Allergy  
Pulmonary, Allergy and Critical Care Medicine  
Pittsburgh, Pennsylvania

## Honorary Conference Director

### Paul O'Byrne MB, FRCP(C), FRSC,

EJ Moran Campbell Professor and Chair,  
Department of Medicine,  
Michael G DeGroote School of Medicine,  
McMaster University  
Ontario, Canada

## Fellows Program Director

### Reynold A. Panettieri Jr., MD

Robert L. Mayock and David A. Cooper Professor of  
Medicine  
University of Pennsylvania Perelman School of Medicine  
Adjunct Professor of Medicine, Wistar Institute  
Philadelphia, Pennsylvania

## Session Moderator

### Jay K. Kolls, MD

Director, Richard King Mellon Foundation Institute for  
Pediatric Research  
Professor of Pediatrics, University of Pittsburgh School  
of Medicine  
Vice Chair for Translational Research  
Department of Pediatrics, Children's Hospital of  
Pittsburgh of UPMC  
Pittsburgh, Pennsylvania

## Chief Discussant

### Thomas A. E. Platts-Mills, MD, PhD, FRS

Oscar Swineford Jr Professor of Medicine  
Head, Asthma and Allergic Diseases Center  
University of Virginia  
Charlottesville, Virginia

## Faculty

### N. Franklin Adkinson, Jr., MD

Professor of Medicine and Program Director  
Graduate Training Program in Clinical Investigation  
Associate TP Director, Allergy-Immunology  
Johns Hopkins Asthma & Allergy Center  
Baltimore, Maryland

### Elisabeth Bel, MD, PhD

Professor, Head of Department of Pulmonology  
Academic Medical Centre, University of Amsterdam  
Amsterdam, the Netherlands

### Don Bukstein, MD

Allergy, Asthma and Sinus Center Milwaukee  
and TeleHealth Allergy, Sinus and Asthma Physicians  
(Tele-ASAP)  
Milwaukee, Wisconsin

### William W. Busse, MD

Professor of Medicine  
Allergy, Pulmonary and Critical Care Medicine  
University of Wisconsin School of Medicine and Public  
Health  
Madison, Wisconsin

### Bradley E. Chipps, MD

Capital Allergy & Respiratory Disease Center  
Sacramento, California

## Faculty (cont.)

### Charles G Irvin, PhD, FERS

Vice Chairman for Research  
Department of Medicine  
Director, Vermont Lung Center  
Professor, Departments of Medicine and  
Molecular Physiology & Biophysics  
Burlington, Vermont

### Fernando Holguin, MD MPH

Associate Director, Asthma Institute  
University of Pittsburgh  
Pittsburgh, Pennsylvania

### David M. Mannino, MD

Professor and Chair  
Department of Preventive Medicine and Environmental  
Health  
University of Kentucky College of Public Health  
Lexington, Kentucky

### Hassan H. Ramadan, MD, MSc, FACS

Professor and Chair  
Program Director  
Department of Otolaryngology H&N  
Surgery Director, Sinus Center  
West Virginia University  
Morgantown, West Virginia

### Harald Renz, MD

Institute of Laboratory Medicine and Pathobiochemistry,  
Molecular Diagnostics  
Philipps University Marburg  
University Hospital Giessen and Marburg GmbH  
Marburg, Germany

### Jonathan M. Spergel, MD, PhD

Stuart Starr Professor of Pediatrics  
Chief, Allergy Section  
Division of Allergy-Immunology  
The Children's Hospital of Philadelphia  
Perelman School of Medicine at University of  
Pennsylvania

### Padmaja Subbarao, MD, MSc

Clinician-Scientist, Co-Director CHILD Study  
Director, Pulmonary Function Laboratory  
Physiology & Experimental Medicine & Division of  
Respirology  
Department of Pediatrics  
The Hospital for Sick Children  
University of Toronto  
Toronto, Canada

## Faculty (cont.)

### Scott T. Weiss MD, MS

Professor of Medicine  
Harvard Medical School  
Director, Partners Personalized Medicine  
Partners Health Care  
Associate Director, Channing Division of Network  
Medicine  
Brigham and Women's Hospital  
Boston, Massachusetts

## Discussants

### Don Bukstein, MD

Allergy, Asthma and Sinus Center Milwaukee  
and TeleHealth Allergy, Sinus and Asthma Physicians  
(Tele-ASAP)  
Milwaukee, Wisconsin

### Bradley E. Chipps, MD

Capital Allergy & Respiratory Disease Center  
Sacramento, California

### David M. Lang, MD

Department Chair, Allergy and Clinical Immunology  
Cleveland Clinic  
Cleveland, Ohio

### Anju Peters, MD

Professor of Medicine  
Northwestern University  
Feinberg School of Medicine  
Division of Allergy-Immunology  
Evanston, Illinois

### Hassan H. Ramadan, MD, MSc, FACS

Professor and Chair  
Program Director  
Department of Otolaryngology H&N  
Surgery Director, Sinus Center  
West Virginia University  
Morgantown, West Virginia

*In accordance with the Accreditation Council for Continuing Medical Education (ACCME) and the policy of Allegheny General Hospital, presenters must disclose all relevant financial relationships, which in the context of their presentation(s), could be perceived as a real or apparent conflict of interest, (e.g., ownership of stock, honoraria or consulting fees). Any identifiable conflicts will be resolved prior to the activity. Any such relationships will be disclosed to the learner prior to the presentation(s).*

## 10th Annual NemaColin Asthma Conference

Session Chair: Deborah Gentile, MD

Friday, October 30, 2015

8:00 a.m. *Registration/Continental Breakfast (Visit Exhibits)*

8:45 a.m. Welcome Remarks

**David P. Skoner, MD and Deborah Gentile, MD**

9:00 a.m. Update on Corticosteroid Safety in Children

**David P. Skoner, MD**

9:20 a.m. STARS Project in Pittsburgh

**Deborah Gentile, MD**

9:40 a.m. Sinusitis and Asthma in Children

**Hassan H. Ramadan, MD**

10:00 a.m. Discussion

10:10 a.m. Fellows Abstract Presentations

**Moderators, Reynold A. Panettieri Jr., MD, Director of Conference  
Fellows Program**

11:10 a.m. *Break and Refreshments (Visit Exhibits)*

### Asthma, the Glorious Past

11:30 a.m. **Philip Fireman, MD Lecture**

Allergen-Induced Asthma

**Paul O'Byrne, MB, FRCP(C), FRSC**

12:00 p.m. Pulmonary Physiology

**Charles G. Irvin, PhD, FERS**

12:20 p.m. *Industry sponsored lunch or lunch on your own (Not for credit)*

**Bradley Chipps, MD – Genentech**

1:20 p.m. Immunotherapy for Allergic Asthma

**N. Franklin Adkinson, Jr., MD**

1:40 p.m. Discussion

1:55 p.m. Studies of asthma genetics have improved our understanding of asthma pathobiology

**PRO: Scott T. Weiss, MD**

**CON: William W. Busse, MD**

2:40 p.m. *Adjournment*

## 10th Annual NemaCOLIN Asthma Conference

Session Chair: Sally E. Wenzel, MD and Paul O'Byrne, MB, FRCP(C), FRSC

Saturday, October 31, 2015

### Asthma Present

7:00 a.m. *Industry sponsored breakfast or breakfast on your own (Not for credit)*  
**Marc Riedl, MD – Salix**

7:30 a.m. *Registration*

7:55 a.m. Opening Remarks  
**David P. Skoner, MD**

8:05 a.m. Opening Remarks and Introductions  
**Sally E. Wenzel, MD & Paul O'Byrne, MB, FRCP(C), FRSC**

8:10 a.m. The Allergy Epidemics 1870-2010  
**Thomas A. E. Platts-Mills, MD**

### *Mini-Symposium on Asthma Disparities*

**Moderator: Jay K. Kolls, MD**

8:30 a.m. Health Disparities, The Inner City Asthma Consortium  
**William W. Busse, MD**

8:50 a.m. **Gilbert Friday Memorial Lecture**  
Vitamin D and asthma prevention (VDAART Study)  
**Scott T. Weiss, MD**

9:35 a.m. **Keynote Lecture**  
Development of asthma early in life and epigenetic regulation  
**Harald Renz, MD**

10:20 a.m. Discussion  
**Led by Chief Discussant Thomas A. E. Platts-Mills, MD**

10:35 a.m. *Break (Visit Exhibits)*

*Mini-Symposium on the Asthma-COPD Overlap Syndrome (ACOS)*  
**Moderator: Jay K. Kolls, MD**

10:55 a.m. Heterogeneity of ACOS  
**Elisabeth Bel, MD, PhD**

11:15 a.m. Irreversible airway obstruction in asthma: what we lose, we lose early  
**Bradley E. Chipps, MD**

11:35 a.m. ACOS  
**David M. Mannino, MD**

11:55 a.m. Bronchial Thermoplasty – The Science and Identification of Responders  
**Reynold A. Panettieri, MD**

12:15 p.m. Discussion  
**Led by Chief Discussant Thomas A. E. Platts-Mills, MD**

12:30 p.m. *Industry sponsored lunch or lunch on your own (Not for credit)*  
**David Lang, MD – Genentech**

**Saturday, October 31, 2015 (cont.)**

*Mini-symposium on Diet, Environment and Asthma*

**Moderator: Jay K. Kolls, MD**

- 1:30 p.m.** Understanding obesity and asthma severity through metabolic dysregulation not increased inflammation  
**Fernando Holguin, MD**
- 1:50 p.m.** The Canadian Healthy Infant Longitudinal Development (CHILD) Study: developmental origins of allergy and asthma  
**Padmaja Subbarao, MD, MSc**
- 2:10 p.m.** Eosinophilic Esophagitis and Asthma  
**Jonathan M. Spergel, MD, PhD**
- 2:30 p.m.** Discussion  
**Led by Chief Discussant Thomas A. E. Platts-Mills, MD**
- 2:45 p.m.** Airway neutrophils are an important cause of asthma exacerbations.  
PRO: **Sally E. Wenzel, MD**  
CON: **Elisabeth Bel, MD, PhD**
- 3:30 p.m.** *Closing Remarks/Adjournment*
- 7:00 p.m.** *Conference dinner for registrants, faculty and guests – Costume Encouraged but Optional!*

## 10th Annual NemaCOLIN Asthma Conference

Session Chair: Giovanni Piedimonte, MD

Sunday, November 1, 2015

### Asthma Future

7:00 a.m. *Industry sponsored breakfast or breakfast on your own (Not for credit)*

**Anju Peters, MD – Greer Laboratories**

7:30 a.m. *Registration/Continental Breakfast (Visit Exhibits)*

8:00 a.m. Opening Remarks and Introductions

**Giovanni Piedimonte, MD**

8:10 a.m. *Drug development in asthma (Not for Credit)*

**Heleen Scheerens, PhD – Genentech**

8:30 a.m. Discussion

**Led by Chief Discussant Thomas A. E. Platts-Mills, MD**

8:45 a.m. *Break (Visit Exhibits)*

9:05 a.m. Respiratory Viruses and Asthma: Will Emerging Viral Infections Change the World?

**Giovanni Piedimonte, MD**

9:30 a.m. Update on Phenotypes

**Sally E. Wenzel, MD**

9:50 a.m. Prevention of asthma and atopic disease-what does the future hold?

**Don Bukstein, MD**

10:10 a.m. Discussion

**Led by Chief Discussant Thomas A. E. Platts-Mills, MD**

10:30 a.m. **David P. Skoner, MD**, Medical Survivor

11:15 a.m. *Closing Remarks/Adjournment*

**Philip Fireman, MD; Giovanni Piedimonte, MD**

## Accreditation

### Physicians

Allegheny General Hospital is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Allegheny General Hospital designates this live activity for a maximum of *12.5 AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

### Nurses

For the purpose of recertification, the American Nurses Credentialing Center accepts *AMA PRA Category 1 Credits™* issued by organizations accredited by the ACCME

### Designation of credits for non-physicians

Allegheny General Hospital certifies participation in this educational activity, which has been designated for a maximum of *12.5 AMA PRA Category 1 Credits™*.

### Credit Breakdown

Friday, October 30	4.5 AMA PRA Category 1 Credits™
Saturday, October 31	5.5 AMA PRA Category 1 Credits™
Sunday, November 1	2.5 AMA PRA Category 1 Credits™

## Location, Directions and Accommodations

### Nemacolin Woodlands Conference Center Farmington, Pennsylvania

For directions to Nemacolin Woodlands, please visit their Web site at [www.nemacolin.com](http://www.nemacolin.com).

A block of rooms has been reserved at Nemacolin Woodlands at the special conference rate of \$149.00 + tax single/double occupancy for lodge room and \$199.00 + tax single/double for chateau room. There is no additional charge for children seventeen (17) years of age and under when sharing the same room as the parents and using existing bedding. A resort fee of \$20.00 per room/per night will also apply. This fee includes valet parking, on-property shuttle service, fitness center access (not inclusive of wet areas) wireless internet, local and toll free calls, pool access, in-room coffee, newspaper, art tours, tennis, hiking, trail access and Marina access.

In addition, Nemacolin Woodlands is pleased to offer the following:

- 15% discount on merchandise purchases in the Nemacolin Retail Shoppes
- 10% discount on all resort activities including golf, spa and shooting, excluding the Wild Side.

Reservations may be made by calling **1.800.422.2736** or **724.329.8555** (ask for reservations). Please be sure to mention you are with the Allegheny General Hospital Asthma Conference to take advantage of the special conference room rate. The room block is limited; therefore, make reservations as soon as possible!

## Activities

### **Nemacolin Asthma Conference Dinner** **Saturday Evening, 7:00-10:00 p.m.**

Please join us for an opportunity to meet with fellow registrants, faculty and guests. We promise you a fun-filled evening. Cost per conference registrant is \$45.00 per person; cost per guest is \$45.00 per person. There is also special pricing for children ages 5-11 years of \$15.00 per child. Please RSVP on the registration form. Tickets will be with your registration packet. Halloween costumes encouraged but optional!

## Additional Information

For additional information, contact the Continuing Medical Education office by calling **412.359.4952** or by e-mail: [rmiglior@wpahs.org](mailto:rmiglior@wpahs.org).

Please visit the Nemacolin Asthma Conference Web site at [www.ahn.org/nemacolin-asthma](http://www.ahn.org/nemacolin-asthma) for conference updates.

## Refund Policy

A refund of the registration fee, less a \$75 processing fee, will be made when a written request or a telephone request followed by a written confirmation is received prior to October 23, 2015. After this date, refunds will not be made. Fees will not be refunded for failure to attend.

Allegheny General Hospital reserves the right to cancel or postpone any conference because of unforeseen circumstances or insufficient enrollment. In the event of such cancellation, full tuition will be refunded.

## Registration Information

The registration fee includes course materials, lunch and break refreshments.

### **Fee: \$425 Physicians**

\$200 Residents\*, Fellows\*, Nurses and Other Health Care Professionals  
(\* must include verification letter from Chief of Service)

### **Deadline: October 23, 2015**

(After this date, registrations will be taken on a space available basis.)

**To Register:** Telephone registrations are not accepted. To register online or to download a brochure please visit [www.aghcme.org](http://www.aghcme.org); select Course Schedule from the left menu and scroll down to locate the conference. To mail or fax your registration, please complete the registration form and return it with the registration fee to:

Continuing Medical Education  
Allegheny General Hospital  
320 East North Avenue  
Pittsburgh, Pennsylvania 15212-4772  
**412.359.4952**  
**412.359.8218 Fax**

The preferred method of payment is VISA, MasterCard, American Express or Discover; however, checks will be accepted made payable to Allegheny General Hospital CME.

# Tenth Annual Nemaclin International Asthma Conference

## Registration Form

PLEASE INDICATE: \_\_\_\_\_ # Adults attending Saturday Dinner @ \$45.00

\_\_\_\_\_ # Children attending Saturday Dinner @ \$15.00

NAME

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DEGREE

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AFFILIATION

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ADDRESS

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---

CITY

STATE

ZIP

---

TELEPHONE (        )

E-MAIL ADDRESS

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If you require assistance with hearing, vision or mobility to make this conference accessible to you, please check this box and contact the CME office at **412.359.4952** at least two weeks prior to the conference date.

METHOD OF PAYMENT:  Credit Card  
 Check

CREDIT CARD TYPE:  Visa  
 MasterCard  
 American Express  
 Discover

TOTAL AMOUNT

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CREDIT CARD #

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EXP. DATE

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NAME ON CARD

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SIGNATURE\*

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*\* By signing this form, I authorize Allegheny General Hospital to charge my credit card for the above amount. My signature also indicates that I will not dispute this charge in the future through my credit card company.*

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Please visit the Nemacolin Asthma Conference Web site at [www.ahn.org/nemacolin-asthma](http://www.ahn.org/nemacolin-asthma) for conference updates.