

Ninth Annual Nemaconlin International Asthma Conference

An Interactive Forum on Patient Care, Therapy and Research

*Friday through Sunday, October 31 – November 2, 2014
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
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Conference Overview

Despite significant advances in understanding of the pathophysiology and treatment of asthma, recent surveys have revealed that asthma control and morbidity have not improved. Therefore, these advances have not translated into improvement in outcomes despite their potential to do so. Despite an updated national guideline for asthma, clinicians continue to under-estimate asthma severity, over-estimate control, and under-prescribe controller therapies, and patients continue to be non-adherent with medical and non-medical approaches to therapy. More education and behavioral modification of health care professionals is clearly needed. This conference will bring the latest developments in this rapidly changing field to health care professionals practicing, researching and teaching asthma care.

Recent research has focused on the heterogeneity among patients with asthma, with regard to factors involved in the inception of asthma, variable expression and natural history, as well as response to medications. Many factors underlie the heterogeneity, including environmental factors such as allergens, pollution, tobacco smoke and viruses, demographic and social factors such as low socioeconomic status, obesity and gender, and genetics. Gene-by-environment interactions are also evident. Moreover, a number of studies, including those conducted by national asthma research networks, are evaluating roles for immune-modulating therapies in the management of 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:

- recognize the heterogeneity within and among asthma patients and understand the genetic, environmental, and social factors that underlie asthma inception and heterogeneity
- elucidate our understanding of the roles of respiratory viruses in the development and exacerbation of asthma
- highlight the importance of allergy in asthma and translate recent research findings into approaches to patients in clinical practice
- identify treatment approaches that individualize therapy based on heterogeneity and balance the safety and efficacy of controller therapies
- understand the impact on asthma of immune system modulators

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

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

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

Chairman, Cleveland Clinic Pediatric Institute
Physician-in-Chief, Cleveland Clinic Children's
President, Cleveland Clinic Children's Hospital for
Rehabilitation
Cleveland, Ohio

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

Conference Fellows Program Director

Pulmonary

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

Allergy and Immunology

Deborah Gentile, MD

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

Basic Scientific 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

Keynote Speaker

Adnan Custovic, MD, PhD

Professor of Allergy
Institute of Inflammation and Repair
University of Manchester, United Kingdom

Gilbert Friday, MD Memorial Lecture Speaker

Andrew Bush, MD, FRCP, FRCPCH

Professor of Paediatrics and Head of Section
(Paediatrics), Imperial College Professor of Paediatric
Respirology, National Heart and Lung Institute
Consultant Paediatric Chest Physician, Royal Brompton
& Harefield NHS Foundation Trust

Philip Fireman, MD Lecture Speaker

Jeffrey M. Drazen, M.D.

Editor-in-Chief, New England Journal of Medicine
Distinguished Parker B. Francis Professor of Medicine,
Harvard Medical School
Boston, Massachusetts

Faculty

Don Bukstein, MD

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

Judah A. Denburg, MD, FRCP(C)

William J. Walsh Professor of Medicine
Director, Immunology & Allergy
Scientific Director, AllerGen NCE
Michael G. DeGroot School of Medicine
Faculty of Health Sciences
McMaster University

Philip Fireman, MD

Professor Emeritus of Pediatrics and Medicine
University of Pittsburgh School of Medicine
Pittsburgh, Pennsylvania

Teal S. Hallstrand, MD, MPH

Associate Professor
Division of Pulmonary & Critical Care
University of Washington
Seattle, Washington

Patrick G. Holt DSc, FRCPath, FAA

Head, Division of Cell Biology
Telethon Kids Institute
University of Western Australia

Sumita B. Khatri, MD, MS

Co-Director Asthma Center
Respiratory Institute
Cleveland Clinic
Cleveland, Ohio

Brian Lipworth, MD

Scottish Centre for Respiratory Research
University of Dundee
Ninewells Hospital and Medical School
Scotland, United Kingdom

Malcolm Sears, MB, ChB, FRACP, FRCPC, FAAAAI

Professor, Division of Respiriology, Department of
Medicine
McMaster University
St. Joseph's Healthcare
Hamilton, Ontario, Canada

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

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).

Conference Schedule

Friday, October 31, 2014

5.5 AM PRA Category 1 Credits™

Session Chair: Deborah Gentile, MD

7:00 a.m. *Optional Industry Lecture and Breakfast*

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

8:45 a.m. Welcome Remarks

David Skoner, MD and Deborah Gentile, MD

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

David P. Skoner, MD

9:40 a.m. Asthma in Pittsburgh School Children

Deborah Gentile, MD

10:20 a.m. Discussion

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

10:30 a.m. *Break and Refreshments (Visit Exhibits)*

Philip Fireman, MD Lecture

10:50 a.m. Airway Epithelial Cell Plithotaxis

Jeffrey Drazen, MD

11:35 a.m. Early Life Environmental Exposures as Modifiable Risk Factors to Prevent Childhood Asthma

Giovanni Piedimonte, MD

12:15 p.m. *Break*

Pick up boxed lunch and return to meeting room.

12:30p.m. *Lunch/Lecture*

Pro/Con Debate

Environmental allergens are important in the origins of childhood asthma

Pro: Adnan Custovic, MD

Con: Giovanni Piedimonte, MD

1:30 p.m. Discussion

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

2:00 p.m. *Break (Visit Exhibits)*

2:20 p.m. Fellows Abstract Presentations

Moderators, Reynold A. Panettieri Jr., MD, and Deborah

Gentile, MD, Directors of Conference Fellows Program

3:20 p.m. Beta-blockers in Asthma and COPD

Brian Lipworth MD

4:00 p.m. Discussion

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

4:15 p.m. *Adjournment*

7:00 p.m. *Conference Dinner for faculty registrants and guests*

Conference Schedule

Saturday, November 1, 2014 6.5 AMA PRA Category 1 Credits™

Session Chair: Sally E. Wenzel, MD

6:30 a.m. *Optional Industry Lecture and Breakfast*

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

8:00 a.m. Opening Remarks

David P. Skoner, MD and Sally E. Wenzel, MD

8:15 a.m. Origins of Asthma Session

Jay Kolls, MD: Moderator

8:15 a.m. Update on the Origins of Asthma

Patrick Holt, MD

9:00 a.m. The Canadian Healthy Infant Longitudinal Development (CHILD) Study

Malcolm Sears, MD

9:45 a.m. Discussion

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

10:15 a.m. *Break (Visit Exhibits)*

10:30 a.m. Allergy is in the blood at birth

Judah Denburg, MD

Keynote Lecture

11:15 a.m. Asthma in Childhood and adolescence: From endotype to adaptive personalization

Adnan Custovic, MD

12:00 p.m. Discussion

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

12:30 p.m. *Break*

Pick up boxed lunch and return to meeting room.

12:40 p.m. *Lunch/Lecture*

Pro/Con Debate

The Arg(16) β_2 receptor genotype increases the risk of inhaled long-acting β_2 -agonist (LABA) use in asthma

Pro: Brian Lipworth MD

Con: Malcolm Sears, MD

1:30 p.m. Afternoon Session: Asthma in the extremes

Sally Wenzel, MD: Moderator

Gilbert Friday Memorial Lecture

1:30 p.m. Severe Asthma in Children

Andrew Bush, MD

2:15 p.m. *Break (Visit Exhibits)*

2:30 p.m. Exercise-Induced Bronchostriction

Teal S. Hallstrand, MD

3:15 p.m. Discussion
Led by Chief Discussant Thomas A. E. Platts-Mills, MD

3:45 p.m. *Closing Remarks/Adjournment*

Conference Schedule

Sunday, November 2, 2014 4.0 AMA PRA Category 1 Credits™

Session Chair: **Giovanni Piedimonte, MD**

6:15 a.m. *Optional Industry Lecture and Breakfast*

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

8:00 a.m. Opening Remarks and Introduction
Giovanni Piedimonte, MD

8:10 a.m. Molecular Profiling of Airways
Joe Arron, MD
Non-CME

8:40 a.m. Improving outcomes in Moderate to Severe asthma: are we there yet?
Sally E. Wenzel, MD

9:10 a.m. Discussion
Led by Chief Discussant Thomas A. E. Platts-Mills, MD

9:40 a.m. *Break (Visit Exhibits)*

10:00 a.m. Medical Survivor
David P. Skoner, MD

10:50 a.m. Problem-based learning
Don Bukstein, MD

11:20 a.m. What are the characteristics of IgE antibody responses that do cause asthma?
Thomas A. E. Platts-Mills, MD

11:50 a.m. Asthma and the Affordable Care Act
Sumita Khatri, MD

12:20 a.m. Discussion
Led by Chief Discussant Thomas A. E. Platts-Mills, MD

12:40 p.m. *Closing Remarks/Adjournment*
Philip Fireman, MD and 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 *16.0 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 *16.0 AMA PRA Category 1 Credits™*.

Credit Breakdown

Friday, October 31	<i>5.5 AMA PRA Category 1 Credits™</i>
Saturday, November 1	<i>6.5 AMA PRA Category 1 Credits™</i>
Sunday, November 2	<i>4.0 AMA PRA Category 1 Credits™</i>

Location, Directions and Accommodations

Nemacolin Woodlands Conference Center Farmington, Pennsylvania

For directions to Nemacolin Woodlands, please visit their Web site at 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! The deadline for making reservations at the above rates is September 15, 2014. After this date, reservations will be accepted on space availability and at the prevailing rate.

Activities

Nemacolin Asthma Conference Dinner Friday 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.

Additional Information

For additional information, contact the Continuing Medical Education office by calling **(412) 359-4952** or by e-mail: rmiglior@wpahs.org.

Please visit the Nemacolin Asthma Conference Web site at 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 17, 2014. 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: \$400 Physicians

\$195 Residents*, Fellows*, Nurses and Other Health Care Professionals
(* must include verification letter from Chief of Service)

Deadline: October 17, 2014

(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; 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.

Registration Form

PLEASE INDICATE: _____ # Adults attending Friday Buffet Dinner @ \$45.00

_____ # Children attending Friday Buffet Dinner @ \$15.00

NAME

DEGREE

AFFILIATION

ADDRESS

CITY

STATE

ZIP

TELEPHONE ()

E-MAIL ADDRESS

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

CREDIT CARD #

EXP. DATE

NAME ON CARD

SIGNATURE*

** 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 for conference updates.