### INTERNATIONAL ASTHMA CONFERENCE AT NEMACOLIN (/)

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## International Asthma Conference at Nemacolin

**19th Annual Meeting Live and Virtual** 

November 15, 2024 - November 17, 2024



# 19th Annual International Asthma Conference at Nemacolin

REGISTER NOW (/TICKETS)

### Updated Conference Dates: November 15, 2024 - November 17, 2024

#### SPEAKERS

#### Saif Al Qatarneh, MD

Assistant professor Pediatric Pulmonary WVU Medicine Children's Hospital Morgantown, West Virginia, USA

#### Casandra Arevalo, MD

Assistant professor of Pediatrics Acting Division Chief of Pediatric Pulmonary Pediatric Director, Cystic Fibrosis & Therapeutics Development Centers West Virginia University School of Medicine Morgantown, West Virginia

#### Mian Muhammad Salman Aslam, MBBS

Postdoctoral Research Fellow Michigan Medicine Severe Asthma Research Program Department of Internal Medicine | Pulmonary & Critical Care Medicine University of Michigan Ann Arbor, Michigan, USA

#### Eugene Chang, MD, FACS

Professor and Vice-Chair, Department of Otolaryngology Division Director, Neurorhinology University of Arizona Tucson, Arizona, USA

#### Evan S. Dellon, MD, MPH

Professor of Medicine and Adjunct Professor of Epidemiology Director, Center for Esophageal Diseases and Swallowing University of North Carolina School of Medicine Chapel Hill, North Carolina, USA

#### Jeffrey M. Drazen, MD

Senior Physician Brigham and Women's Hospital Distinguished Parker B. Francis Professor of Medicine, Harvard Medical School Editor, NEJM Group Boston, Massachusetts, USA

#### SCHEDULE

#### PLEASE NOTE: ALL TIMES ARE U.S. EASTERN STANDARD TIME

Thursday, November 14th, 2024

5:00pm – 7:30pm – Conference Onsite Registration and Welcome Reception (Attendees & Guests Welcome)

#### Friday, November 15th, 2024

7:00am – 7:55am – Breakfast/Exhibits, Industry Product Theater with Breakfast provided by Maci's Teams

8:00am – 8:15am – Welcome/Introduction to Conference (David P. Skoner, MD)

Symposium – New Molecular Insights into Old Clinical Phenotypes – Sally Wenzel Morganroth, MD - 8:15am-10:15am

**8:15am** – Allergic Asthmatic Responses (Benjamin D. Medoff, MD)

**8:35am** – Dual Eosinophilic-Neutrophilic Asthma (Marc Gauthier, MD)

8:55am – The Immunopathogenesis of Airway Hyperresponsiveness in Asthma (Teal S. Hallstrand, MD, MPH)

**9:15am** – New Insights Into Nasal Polyps (Atsushi Kato, PhD)

9:35am - Discussion

#### 10:15am - 10:30am - Break/Exhibits

10:30am – When I Can't Relax, Am I Remodeled? (Reynold A. Panettieri Jr., MD)

Symposium – Food Allergy and Asthma – Deborah A. Gentile, MD – 11:00am-12:30pm



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#### ► LOCATION

### Nemacolin & Virtual

#### ► SPONSORED BY

Maci's TEAMS non-profit organization



#### Robert F. Garry, PhD

Professor of Microbiology and Immunology Associate Dean, Biomedical Sciences Tulane Medical School New Orleans, Louisiana, USA

#### Marc Gauthier, MD

Assistant Professor of Medicine University of Pittsburgh School of Medicine Pittsburgh, Pennsylvania, USA

#### Deborah A. Gentile, MD

Medical Director and Clinical Associate Professor Health Sciences St. Francis University Medical Director Community Partners in Asthma Care Johnstown, Pennsylvania, USA

#### Teal S. Hallstand, MD, MPH

Professor of Medicine Medical Director, UWMC-ML Lung Function Testing Center Division of Pulmonary, Critical Care and Sleep Medicine Center for Lung Biology University of Washington

#### Wafa Hassan, MD

Clinical Fellow, McMaster University Hamilton, Ontario, Canada

#### Atsushi Kato, PhD

Associate Professor of Medicine Division of Allergy and Immunology Northwestern University Feinberg School of Medicine Chicago, Illinois, USA

#### Jay K. Kolls, MD

Professor of Medicine and Pediatrics John W. Deming Endowed Chair in Internal Medicine Director, Center for Translational Research in Infection and Inflammation Tulane School of Medicine New Orleans, Louisiana, USA

#### Allison Lastinger, MD

Associate Professor, Department of Medicine and Department of Orthopaedics, West Virginia University Associate Chief for Clinical Operations, Division of Infectious Diseases Medical Director, Musculoskeletal Infection Program Morgantown, West Virginia, USA

#### Grace L. Lisius, MD

Fellow Physician Division of Pulmonary,Allergy, Critical Care, and Sleep Medicine University of Pittsburgh Medical Center Pittsburgh, Pennsylvania, USA **11:00am** – Emerging Role of Biologics in Treatment of Asthma/Allergy (Deborah A. Gentile, MD)

**11:20am** - Biologics for Treatment of Eosinophilic Esophagitis (Evan S. Dellon, MD MPH)

**11:40am** - Role of Biologics in Food Allergy (Robert A. Wood, MD)

12:00pm - Discussion

12:30pm-1:25pm – Exhibits/Lunch Break, Industry Product Theater with Lunch provided by Maci's Teams

1:30pm – Keynote Lecture A Look at 50+ Years of Asthma Treatment - What the Past Tells us About the Future (Jeffrey M. Drazen, MD)

2:00pm - Asthma Powerhouse Roundtable

2:30pm – 2:50pm - Break/Exhibits/Faculty (Speaker) Group Picture

#### 2:50pm - Medical Survivor (40 MIN)

**3:30pm – 4:30pm –** Fellows Oral Abstracts (Reynold A. Panettieri Jr., MD)

**3:30pm** - Evaluation of Novel Mucosal Adjuvant, LTA1's Capacity to Modulate Type 2 Immune Responses to Intranasal House Dust Mite: a murine pilot study (*T. Parks Remcho, MD*)

3:45pm - A double-blind, placebo-controlled, parallelgroup study to evaluate the safety and efficacy of briquilimab in participants with allergic asthma (AA) (Wafa Hassan, MD) 4:00pm - Real World Experience with Tezepelumab in Steroid Dependent Asthma (Mian Muhammad Salman Aslam, MBBS)

**4:15pm** - Differences in epithelial gene expression profiles in asthma patients living in industrialized cities with high PM2.5 and SO2 exposures (*Grace L. Lisius, MD*)

4:30pm - Meeting Adjournment

6:30pm – 9:00pm – PRIVATE FACULTY (Speakers) ONLY Dinner, Meet at Chateau at 6:15pm for transportation.

#### Saturday, November 16th, 2024

7:10am – 8:00am – Breakfast/Exhibits, Light Breakfast will be provided by Maci's Teams

8:10am – 8:15am - Welcome/Introduction (Giovanni Piedimonte, MD, FAAP, FCCP)

Symposium – The Game of Thrones of Respiratory Infections: Are Vaccines Our New Dragons? – Giovanni Piedimonte, MD, FAAP, FCCP – 8:15am-9:45am



#### Fernando J. Martinez, MD

Professor of Medicine University of Massachusetts Chan Medical School Worcester, Massachusetts, USA

#### Meredith C. McCormack, MD, MHS

Associate Professor of Medicine Associate Director, Division of Pulmonary and Critical Care Medicine Director, BREATHE Center Johns Hopkins University Baltimore, Maryland, USA

#### Benjamin D. Medoff, MD

Associate Professor of Medicine, Harvard Medical School Physician, Division of Pulmonary and Critical Care Medicine and Center for Immunology and Inflammatory Diseases Mass General Brigham Boston, Massachusetts, USA

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

Dean and Vice-President Faculty of Health Sciences Michael G. DeGroote School of Medicine Distinguished University Professor McMaster University Hamilton, Ontario, Canada

#### James N. Palmer, MD

David W. Kennedy, MD Endowed Professor Director, Division of Rhinology Co-Director, Center for Skull Base Surgery Departments of ORL:HNS and Neurosurgery University of Pennsylvania Philadelphia, Pennsylvania, USA

#### Reynold A. Panettieri Jr., MD

Professor of Medicine, Robert Wood Johnson Medical School Vice Chancellor, Clinical & Translational Science Director, Rutgers Institute for Translational Medicine & Science Emeritus Professor of Medicine, University of Pennsylvania Child Health Institute of New Jersey Rutgers, The State University of New Jersey New Brunswick, New Jersey, USA

#### Brian P. Peppers, DO, PhD

Associate Professor Program Director for Allergy and Immunology Fellowship Adult and Pediatric Allergy/Immunology WVU Medicine Children's Hospital Morgantown, West Virginia, USA

#### Giovanni Piedimonte, MD, FAAP, FCCP

Vice President for Research of Tulane University Professor of Pediatrics 8:15am - New RSV Prophylaxis (Giovanni Piedimonte, MD, FAAP, FCCP)

8:35am - The Origins of COVID and its Vaccines (Robert F. Garry, PhD)

8:55am – Pneumococcal Vaccines (Meredith C. McCormack, MD MHS)

9:15am - Discussion

9:45am - Eosinophilic Granulomatosis with Polyangiitis (Michael E. Wechsler, MD)

#### 10:15am-10:30am - Break/Exhibits

Symposium – CRS and Asthma – Hassan H. Ramadan, MD, MSc, FACS, FARS – 10:30am-12:00pm

10:30am – Chronic Rhinosinusitis & Asthma, What Do we Know? (Hassan H. Ramadan, MD, MSc, FACS, FARS)

**10:50am** - CDHR3 – A Common Link Between CRS and Asthma? (Eugene Chang, MD, FACS)

**11:10am** - CRS and Asthma in Adults: The Role of Complete Surgery (James N. Palmer, MD)

11:30am - Discussion

**12:00pm –** MDI Shortage, in Light with New Asthma Guidelines for Pediatrics Patients (Saif Al Qatarneh, MD)

#### 12:35pm–1:30pm – Exhibits/Lunch, Industry Product Theater with Lunch provided by Maci's Teams

1:35pm – Pro-Con Debate: Allergen Immunotherapy Should Be Used in Patients with Allergic Asthma Pro: Brian P. Peppers, DO, PhD Con: Casandra Arevalo, MD

2:10pm – Pro-Con Debate: TBD Pro: Con:

#### 2:45pm - Meeting Adjournment (TDB)

**6:30pm – Farewell Dinner** (All attendees/guests invited, **RSVP Required**), Quartz at Horizon Point. Shuttles will be available at the Chateau at 6:15pm

#### Sunday, November 17th, 2024

7:00am – 7:50am – Breakfast/Exhibits, Light Breakfast will be provided by Maci's Teams

7:55am – 8:00am - Welcome/Introduction (Giovanni Piedimonte, MD, FAAP, FCCP) Tulane University School of Medicine New Orleans, Louisiana, USA

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

Steven & Patricia Wetmore Professor and Chairman Director Sinus & Allergy Center Department of Otolaryngology H&N Surgery West Virginia University School of Medicine Morgantown, West Virginia, USA

#### T. Parks Remcho, MD

PhD Candidate, Kolls Lab Tulane School of Medicine New Orleans, Louisiana, USA

#### David P. Skoner, MD

Professor of Pediatrics West Virginia University School of Medicine Morgantown, West Virginia, USA

#### Michael E. Wechsler, MD MMSc

Professor of Medicine Associate Vice President, Innovation & Industry Relations Director, NJH Cohen Family Asthma Institute Department of Medicine National Jewish Health Denver, Colorado, USA

#### David N. Weissman, MD

Director, Respiratory Health Division, CDC-NIOSH Adjunct Professor of Microbiology & Immunology, Medicine, and Pediatrics West Virginia University School of Medicine Morgantown, West Virginia, USA

#### Sally E. Wenzel Morganroth, MD

Professor of Medicine Chair, Department of Environmental and Occupational Health UPMC Chair in Translational Airway Biology University of Pittsburgh Pittsburgh, Pennsylvania, USA

#### Robert A. Wood, MD

Julie and Neil Reinhard Professor of Pediatric Allergy and Immunology Professor of Pediatrics and International Health Director, Eudowood Division of Pediatric Allergy, Immunology, and Rheumatology Director, Pediatric Clinical Research Unit Deputy Director, Institute of Clinical and Translational Research Johns Hopkins University School of Medicine Baltimore, Maryland, USA

Name (required)

First Name

#### Symposium – Co-Morbid Lung Diseases – Brian P. Peppers, DO, PhD– 8:00am-9:30am

8:00am – Primary Immunodeficiency, Asthma and Lung Disease (Brian P. Peppers, DO, PhD)

8:20am - All that Wheezes: Occupational Mimics for Asthma (David N. Weissman, MD)

8:40am - Consulting ID: Challenges of Detecting and Treating Infections in Those with Chronic Lung Disease (Allison Lastinger, MD)

9:00am - Discussion

**9:30am** – Long Lived Tissue Resident Memory Cells implicate Glycolysis in Survival/Effector Function (Jay K. Kolls, MD)

#### 10:00am - 10:15am Break/Exhibits

#### Symposium – Biologics for Severe Asthma and Beyond – Paul O'Byrne MB, FRCP(C), FRSC – 10:15am-11:45am

**10:15am** – Allergic Bronchopulmonary Aspergillosis (Paul O'Byrne MB, FRCP(C), FRSC)

10:35am - Severe COPD (Fernando J. Martinez, MD, MS)

**10:55am** - Severe Asthma (Sally E. Wenzel Morganroth, MD)

11:15am - Discussion

11:45am – 12:00pm – Closing Remarks/Meeting Adjournment (Paul O'Byrne MB, FRCP(C), FRSC)

Last Name

#### SIGN UP FOR UPDATES!

#### Contact

Please contact Jessica Bolton if you have any questions (jbolton@macisteams.org (mailto:jbolton@macisteams.org)).

### Maci's TEAMS + WVU



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CME OVERVIEW

# The World's Leading Asthma Experts

# **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 International Asthma Conference at Nemacolin, 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.

# Target Audience and Learning Objectives

#### Target Audience:

- All practicing allergists/immunologists and pulmonologists
- Fellows in allergy/immunology and pulmonary training programs
- Primary care physicians who care for asthma patients
- Allied health professionals with interest in asthma

Following this conference, participants should be able to:

- Discuss old, new, and emerging trends in respiratory infections.
- Discuss strategies for prophylaxis or respiratory infections for patients with different ages.
- Discuss newly licensed and future vaccines.
- Discuss the evidence for the efficacy of biologic therapy in a variety of lower airway diseases.
- Compare and contrast the efficacy of different biologics.
- Describe the relationship between chronic rhinosinusitis and asthma.
- Describe the role of viruses and the unified airway, as well as what are some new therapeutic approaches for management.
- Describe co-morbid health conditions affecting lung disease.
- Increase competence in diagnostic tests in co-morbid health conditions affecting lung disease.
- Describe treatment options in co-morbid health conditions effecting lung disease.
- Discuss the evolution of biologics in asthma and related disorders.
- Summarize safety and efficacy of biologics for the treatment of food allergy.
- Summarize safety and efficacy of biologics for the treatment of eosinophilic esophagitis.
- Describe how the knowledge of previously identified clinical phenotypes has evolved over the years.
- Link new molecular understanding of the biology to these clinical phenotypes.
- Utilize this knowledge to improve our approaches to treatment of these patients.

# 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.

# Accreditation Statements

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the WVU School of Medicine and Maci's Teams. The WVU School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The WVU Office of CME designates this live activity for a maximum of 15.5 AMA PRA Category 1 Credits<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

#### **Non-Physicians**

West Virginia University Office of Continuing Education will confirm participation in this educational activity.

#### Disclosure

It is the policy of the WVU School of Medicine Office of CME to ensure balance, independence, objectivity, and scientific rigor in all its educational activities. All faculty/authors/planners participating in our programs are expected to disclose any relevant relationships they may have with commercial companies.

For this conference, Drs Chang, Dellon, Garry, Hallstrand, Kato, Martinez, Medoff, O'Byrne, Palmer, Panettieri, Wechsler, Wenzel Morganroth, Wood will disclose the relevant relationships with commercial companies. All others have indicated they have no relevant interests to disclose.

The relationships, along with the educational content of this program, will be reviewed and any potential conflicts of interest will be resolved to the satisfaction of the WVU School of Medicine Office of CME.

#### Eugene Chang, MD, FACS

Sanofi / Regeneron - Honorarium, Advisor

#### Evan S. Dellon, MD, MPH

Adare/Ellodi, Allakos, Arena/Pfizer, AstraZeneca, Eupraxia, Ferring, GSK, Meritage, Miraca, Nutricia, Celgene/Receptos/BMS, Regeneron, Revolo, Shire/Takeda - Research funding, PI

Abbott, Abbvie, Adare/Ellodi, Aimmune, Akesobio, Alfasigma, ALK, Allakos, Amgen, Apollo, Aqilion, Arena/Pfizer, Aslan, AstraZeneca, Avir, Biorasi, Bryn, Calypso, Celgene/Receptos/BMS, Celldex, Eli Lilly, EsoCap, Eupraxia, Dr. Falk Pharma, Ferring, GSK - consulting fees, consultant

Consulting fees; consulting; ongoing: Gossamer Bio, Holoclara, Invea, Knightpoint, Landos, LucidDx, Morphic, Nexstone Immunology/Uniquity, Nutricia, Parexel/Calyx, Phathom, Regeneron, Revolo, Robarts/Alimentiv, Salix, Sanofi, Shire/Takeda, Target RWE, Upstream Bio

Allakos, Agilion, Holoclara, Invea - Educational grant to university, PI

#### Robert F. Garry, PhD

ZAlgen, Labs, LLC - Royalties, Co-founder

#### Teal S. Hallstand, MD, MPH

Astra Zeneca - Consulting Fee, Consultant

#### Atsushi Kato, PhD

AstraZeneca - Honorarium, Advisory board member Regeneron and AstraZeneca - Research grants, Principal investigator

#### Fernando J. Martinez, MD

AstraZeneca - Travel, In kind contributions, COPD Advisor, Steering committee chair Chiesi - Travel, in kind contribution, COPD SC chair, advisor GlaxoSmithKline - Travel, in kind contribution, COPD Advisor, SC participant, non-commercial presentation Medtronic - honoraria, Event adjudication committee Novartis - in kind contribution, COPD Study SC chair Roche - COPD Advisor Sanofi/Regeneron - honorarium, COPD Study SC chair, COPD Advisor

#### Benjamin D. Medoff, MD

Sanofi - Sponsored Research Agreement, Researcher Sanofi - Honorarium, Advisor Regeneron - Sponsored Research Agreement

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

AstraZeneca - Grant-in Aid, Pl GSK - Grant-in Aid, Pl Merck- Grant in Aid Co-Pl Biohaven- Grant in Aid Co Pl Jasper- Grant in Aid Co-Pl AstraZeneca - Speakers fees and consulting fees GSK - Speakers Fees and consulting fees Regeneron - Consulting fees

#### James N. Palmer, MD

OptiNose - Honorarium, Consultant Acclarent - Honorarium, consultant Medtronic - Honorarium, Consultant

#### Reynold A. Panettieri Jr., MD

AstraZeneca - Honorarium, Consultant/Advisory Board, Research Grant, Speaker RIFM - Honorarium, Consultant/Advisory Board, Research Grant Genentech - Honorarium, Advisory Board, Not terminated, relevant TEVA - Honorarium, Consultant, Research Grant, Not terminated, relevant Medimmune - Honorarium, Research Grant, Not terminated, relevant AgoMab - Honorarium, Research Grant, Not terminated, relevant ACTIV-1 - Honorarium, Research Grant, Not terminated, relevant Janssen - Honorarium, Research Grant, Not terminated, relevant Vault Health - Honorarium, Research Grant, Not terminated, relevant Sanofi - Honorarium, Speaker, Not terminated, relevant

#### Michael E. Wechsler, MD MMSc

Allakos, Amgen, Areteia Therapeutics, Arrowhead Pharmaceutical, AstraZeneca, Avalo Therapeutics, Belenos Bio, Celldex, Connect Biopharma, Eli Lilly, Equillium, Glaxosmithkline, Incyte, Jasper Therapeutics, Kinaset, Kymera, Merck, MyBiometry, Pharming, Phylaxis, Pulmatrix, Rapt Therapeutics, recludix Pharma, Regeneron, Roche/Genentech, Sanofi/Genzyme, Sentien, Sound Biologics, Tetherex Pharmaceuticals, Uniquity Bio, Upstream Bio, Verona Pharma, Zurabio - consulting, advisory, or speaking honoraria

#### Sally E. Wenzel Morganroth, MD

Chiesi Pharmaceutical - consulting fees, Consultant Regeneron - Funds for investigator initiated clinical trial, principal investigator

#### Robert A. Wood, MD

Genentech - Honorarium, Consultant, ongoing Aimmune - Research support, investigator, ongoing NIH Research support DBV Research support Genentech Research support Novartis Research support ALK Research support Siolta Research support FARE Research support

#### **Commercial Support**

A special thank you to our sponsors/exhibitors: Advanced Infusion Care, Amgen, ARS Pharma, AstraZeneca, BioCryst, Genentech, GlaxoSmithKline, Maci's TEAMS, Novartis, Sanofi Regeneron, Takeda,

#### Contact

Please contact Jessica Bolton if you have any questions (jbolton@macisteams.org (mailto:jbolton@macisteams.org)).

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