August 11-14, 2016
Santa Fe, New Mexico

This course has been endorsed by the Association for Bronchology and Interventional Pulmonology (ABIP), the American Academy of Nurse Practitioners National Certification Program (AANP), and the American Society of Interventional Pulmonology (ASIP). This activity is intended for pulmonary, sleep and critical care medicine practitioners, and physician assistants.

**OBJECTIVES**

After attending this activity, the participant will demonstrate the ability to:

• Evaluate and manage patients with significant lung disease.

**DESCRIPTION**

More than 52 million Americans are living with chronic lung disease such as asthma, emphysema, chronic bronchitis and other chronic pulmonary conditions. As the population ages and outcomes for chronic lung disease improve, the care of these patients is becoming more complex. In this course, leading experts will provide current and future updates in pulmonary medicine.

**CONTINUING MEDICAL EDUCATION**

Johns Hopkins University School of Medicine Division of Pulmonary and Critical Care Medicine presents Current Practices and Future Directions in Critical Care Medicine.

This activity has been approved for AMA PRA Category 1 Credits™.

**Evaluation**

A form will be available to attendees to evaluate each session and each speaker's presentation, as well as to identify future educational needs.

**Confirmation/Certificates**

(410) 502-9634

**Late Fee and Refund Policy**

A $50 late fee applies to registrations received after 5:00 p.m. EDT on August 5, 2016. A handling fee of $50 will be deducted for cancellation. An additional fee may apply for cancellation of other events, including workshops and social activities. Refund requests must be received thereafter. Transfer of registration to another Johns Hopkins event will be allowed for a fee of $25. Requests to cancel registration must be received in writing. If you need to make changes or cancellations to your registration, please email Johns Hopkins CME at cme-info@jhmi.edu or call (410) 502-9634. Incident at any of the Hilton Santa Fe Historic Plaza, which is the host hotel, and any difficulties with the- room block, you help us maintain current conference accommodations decision.

**REGISTRATION**

Register Online www.HopkinsCME.edu

Register by Phone (410) 502-9634 (credit card only)

Register by Fax (866) 510-7088

**CONTACT INFORMATION**

U.S. Postage accepts
Baltimore, Maryland 21205-2195

**Facebook**

http://www.facebook.com/HopkinsCME

**Syllabus**

A complimentary reception for registrants and support this social event.

A link to the syllabus will be provided via email shortly before the activity begins if you prefer to study or print the syllabus.

**OTHER CREDIT**

Physicians should claim only the credit commensurate with the extent of their participation in this activity. It is the CME activity provider's responsibility to submit participant completion information to ACCME for the purpose of awarding MOC points and patient safety MOC credit in the American Board of Internal Medicine's (ABIM) Maintenance of Certification (MOC) program. The Johns Hopkins University School of Medicine OCME has established policies in place that will identify and resolve all conflicts of interest prior to this educational activity. Detailed disclosure will be made in the activity or call the hotel directly and.
DESCRIPTION
More than 52 million Americans are living with chronic lung disease such as asthma, emphysema, chronic bronchitis and pulmonary fibrosis. Not only are these conditions frustrating, resulting in increased health care costs, more hospitalizations and loss of productivity, but they also impact the quality of life for millions of individuals. The Johns Hopkins University School of Medicine is dedicated to providing the best available care and to educating health professionals in these fields.

WHO SHOULD ATTEND
This activity is intended for pulmonary, sleep and critical care medicine physicians and trainees, internal medicine physicians, nurses, nurse practitioners, Respiratory therapists, and diagnostic assistants.

OBJECTIVES
After attending this activity, the participant will demonstrate the ability to:
• Describe new diagnostic and therapeutic advances in pulmonary disease.
• Identify new diagnostic and therapeutic advances in critical care medicine.
• Evaluate and manage patients with significant lung disease.
• Describe new diagnostic modalities and treatments in sleep medicine.

MOC Statement
Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 22.5 MOC points and patient safety MOC credit in the American Board of Internal Medicine (ABIM) Maintenance of Certification (MOC) program.

CONTINUING MEDICAL EDUCATION
Division of Pulmonary and Critical Care Medicine

Directions in Pulmonary, Critical Care and Sleep Medicine: The 14th Year
AUGUST 11-14, 2016
Johns Hopkins University School of Medicine, Johns Hopkins Conference Center
100 Sandoval Street, Santa Fe, New Mexico 87501

Sponsors
American Academy of Physician Assistants
American Association of Nurse Practitioners
Association for Bronchology and Interventional Pulmonology
American College of Chest Physicians
American society of Sleep Medicine
American Thoracic Society
Association of Pulmonary Critical Care Medicine Program Directors
Central New Mexico Community College
Greater New Mexico Foundation

generate CME experience that will identify future educational needs.

evaluation component of the activity will be used to create future educational needs.

EMERGENCY CALLS
On August 11-14, direct emergency calls to (505) 988-2811. After hours, please call 911.

Evaluation
A survey will be sent to all physicians attendees within three months post activity to assist in determining what impact this activity had on the attendee’s practice.

Policy on Speaker and Provider Disclosure
It is the policy of the Johns Hopkins University School of Medicine that the speaker and provider disclose all real or apparent conflicts of interest relating to the topics of this educational activity and also disclose discussions of unlabeled/unapproved uses of drugs or devices during their presentation.

Activity Eligibility
Participants will earn MOC points equivalent to the amount of CME credits claimed for the activity. It is the CME activity provider’s responsibility to submit participant course data to ACPE for the purpose of granting ABIM MOC credit.

Other Credit
American Academy of Nurse Practitioners National Certification Program (AANP) accepts AMA PRA Category 1 Credits™ from organizations accredited by the ACCME. American Academy of Physician Assistants (AAPA) accepts certification of participation for educational activities certified for AMA PRA Category 1 Credits™ from organizations accredited by the ACCME. Physician assistants may receive a maximum of 22.5 AAPA Category 1 CME credits for completing this program.

American Nurses Credentialing Center (ANCC) accepts AMA PRA Category 1 Credits™ from organizations accredited by the ACCME. Contact Hours for Non-Physicians
The Johns Hopkins University has approved this activity for 22.5 contact hours for non-physicians.

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If you are using your Tuition Remission Benefit or an ION budget, please submit the collected data to the Centers for Medicare and Medicaid Services (such as name, address, National Provider Identifier (NPI), and State License number) of physician attendees who receive complimentary food and beverage (such as lunch or coffee breaks) during the program. The Johns Hopkins University School of Medicine takes responsibility for the accuracy, content, and scientific integrity of these activities to be reported. The Registration Desk will remain open to process any late registrations.

The Johns Hopkins University School of Medicine takes responsibility for the educational content of this program. Participants will be provided with Continuing Medical Education (CME) credits in accordance with the requirements for the specialty designations of the activities.

**ACTIVITY DIRECTOR**

Laura Cann, DO, FCCP
Assistant Professor of Medicine
Division of Pulmonary and Critical Care Medicine

**ACTIVITY CO-DIRECTORS**

Allison Lambert, MD, MHS
Instructor of Medicine
Leann Silhan, MD
Assistant Professor of Medicine

**JOHNS HOPKINS SPEAKERS**

**INTERSTITIAL LUNG DISEASE (ILD)**

Edward Chen, MD
Associate Professor of Medicine

Sonali Bose, MD, MPH
Assistant Professor of Medicine

**LUNG TRANSPLANT**

Christian Merlo, MD, MPH
Assistant Professor of Medicine

Jonathan Orens, MD
Assistant Professor of Medicine

**OBSTRUCTIVE LUNG DISEASE (OLD)**

Sonali Bose, MD
Assistant Professor of Medicine

Gregory Dreyfuss, MD
Professor of Medicine

**COPD**

Michelle Eakin, MA, PhD
Assistant Professor of Medicine

Nadia Harsen, MD, MPH
Assistant Professor of Medicine

**PULMONARY ARTERIAL HYPERTENSION (PAH)**

Paul Hassoun, MD
Professor of Medicine

Todd Kohl, MD, PhD
Assistant Professor of Medicine

**CYSTIC FIBROSIS (CF)**

Michael Boyle, MD
Professor of Pediatrics

Noah Lechtzin, MD, MHS
Assistant Professor of Medicine

Natalie West, MD, MHS
Assistant Professor of Medicine

**REGISTRATION FORM**

Course Number 80039585

To Register: Online (credit card and eCheck): www.HopkinsCME.edu By phone (credit card only): (810) 507-0088

Or mail this form to the Johns Hopkins University, Office of Continuing Medical Education, P.O. Box 64128, Baltimore, MD 21264-4128. Include check payable to HPKPRMNS/0039585, or included credit card information below.

**PAYMENT MUST ACCOMPANY FORM TO CONFIRM YOUR REGISTRATION.**

I am a Johns Hopkins speaker for this activity.

I will bring a guest ($50/per guest).

Payment Options:

- [ ] Check (please make payable to John Hopkins CME Program)
- [ ] Credit Card

**Fees:**

- Early Bird (only until July 1)
- Regular

- Residents/ Fellows/Nurses/Practitioners/Physician Assistants/Allied Health Professionals

- Registration Fee: $1,149.00
- Pay Later: $1,195.00
- Residents: $915.00
- Pay Later: $955.00

**Welcome Reception on August 11, 2016:**

- **Monday, August 10, 2016:**
  - Welcome Reception on August 11, 2016:
  - Pay Later: $1,195.00

- **Tuesday, August 11, 2016:**
  - Pay Later: $1,195.00

- **Wednesday, August 12, 2016:**
  - Pay Later: $1,195.00

- **Thursday, August 13, 2016:**
  - Pay Later: $1,195.00

- **Friday, August 14, 2016:**
  - Pay Later: $1,195.00

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  - Pay Later: $1,195.00

**REGISTRATION FORM**

Current Practices and Future Directions in Pulmonary, Critical Care and Sleep Medicine The 14th Year

August 11-14, 2016

Saturday, August 13, 2016

7:00 – 8:00 AM

**CONTINUING CARE – THE ROLE OF OXYGEN**

8:00 – 8:30 AM

Are We Treating Patients with Oxygen?

Franco D’ Alessio, MD

8:30 – 9:00 AM

Refractory Hypoxemia: What to Do?

David Hassoun, MD, MPH

9:00 – 9:30 AM

ECMO in the Medical ICU Patient

R. Scott Stephens, MD

9:30 – 10:00 AM

Basic Science Advancements in ARDS

Franco D’ Alessio, MD

10:00 – 10:15 AM

Renal Replacement for the Intensivist

Nina Ashary, MD

11:15 – 11:45 AM

Shared Decision-Making and Responding to Family Requests in the ICU

Alusan Turnbull, DVM, MPH, PhD

11:45 – 12:15 PM

New Directions in Sepsis Therapy

David Hassoun, MD, MPH

12:15 PM

Sunday, August 14, 2016

7:30 – 8:00 AM

**CYSTIC FIBROSIS AND PULMONARY INFECTIONS**

8:00 – 8:20 AM

Non-CF Bronchiectasis

Natalie West, MD, MHS

8:20 – 8:40 AM

Cystic Fibrosis – Diagnosis, Manifestations and Understanding CFTR Mutations

Nash Lechtzin, MD, MHS

8:40 – 9:00 AM

New Treatments for CF and to Whom to Offer

Edmund Smith, MD, MPH

9:00 – 9:30 AM

Updates on the Management of Mycobacterial Diseases

Natalie West, MD, MHS

9:30 – 9:55 AM

Refreshment Break

PAM SESSION 2: LUNG TRANSPLANT AND RADIONUCLIDE REVIEW

9:45 – 10:15 AM

Advances in Lung Transplantation

Pali Shah, MD

10:15 – 10:45 AM

Selection of the Lung Transplant Candidate – Who to Refer and When

Jonathan Orens, MD

10:45 – 12:00 PM

COPD and Lung Emphysema

Christian Merlo, MD, MPH

12:00 PM

Please complete and return the Evaluation and Credit Report Forms. The Registration Desk will remain open during conference hours.

- [ ] I will bring a guest ($50 per guest).
- [ ] I will bring a gift ($50 per guest).
PROGRAM
Thursday, August 11, 2016
7:00 - 7:50 Registration and Continental Breakfast
7:50 - 8:00 Welcome and Conference Goals
Jonathan Orens, MD

AM SESSION 1: DIFFUSE PARENCHYMAL LUNG DISEASES
8:00 - 8:30 IPP Diagnosis and Treatment Strategies: What’s the Role of These New Drugs?
Maureen Horton, MD
8:30 – 9:00 Controversial Tissue Disease and ILD – How to Test and When to Test
Santos Danoff, MD, PhD, MPH
9:00 – 9:40 What to Make of the Other Parenchymal Lung Diseases? Highlight on Hypersensitivity Pneumonitis and Eosinophilic Pneumonia
Somai Basu, MD, MPH
9:40 - 10:00 Refreshment Break

AM SESSION 2: DIFFUSE PARENCHYMAL LUNG DISEASES
10:10 - 10:30 Treatment Challenges in Sarcoidosis: Beyond Corticosteroids
Deborah Valler, MD
10:30 - 11:00 Non-Sarcoid Granulomatous Lung Disease
Edward Chen, MD
11:00 - 11:30 Case Discussions: Diffuse Parenchymal Lung Diseases
Maureen Horton, MD
11:30 - 12:00 Research in Development
Maureen Horton, MD and David Moller, MD
12:00 - 1:00 Lunch

PM SESSION 1: OBSTRUCTIVE LUNG DISEASES
1:00 - 1:30 Management of Severe Asthma – Updates in 2016
Nadia Basu, MD, MPH
1:30 - 2:00 When to Consider Alternate Diagnoses in Your Patients with Asthma
Mark Liu, MD
2:00 - 2:30 Medication Adherence in the Asthma Patient: What Matters?
Gupta Rishi, MD
2:30 - 3:00 Viral Respiratory Infections: New Approaches to the Common Cold
Somai Basu, MD, MPH
3:00 - 3:30 Environmental Exposures and Obstructive Lung Disease
Gupta Rishi, MD
3:30 - 3:45 Refreshment Break
3:45 - 4:15 Research in Development
Michelle Eakin, MA, PhD, Nadia Basu, MD, MPH, and Cynthia Rand, MD
4:15 - 4:45 Effects of Anxiety and Depression on COPD Patients
Michelle Eakin, MA, PhD
4:45 - 5:45 Emerging Concepts and Therapy in COPD
Nipunma Puthuc, MD, MHS

Saturday, August 13, 2016
7:30 - 8:00 Continental Breakfast

AM SESSION 1: PULMONARY VASCULAR DISEASE
7:30 - 8:00 Pulmonary Hypertension Concepts and Controversies in 2016
Paul Hasson, MD
8:30 - 9:00 Updates in PAH Therapeutics
Todd Kolb, MD, PhD
9:00 - 9:45 Venous Thromboembolism Management Updates and Use of the New Oral Anticoagulants
R. Scott Stephens, MD
9:45 - 10:00 Refreshment Break

AM SESSION 2: SLEEP
10:00 - 10:30 Cardiometabolic Complications of OSA: Myths and Reality
Stephen Dwyer, MD, PhD
10:30 - 11:00 Non-CPAP Therapies for Sleep Apnea
Sudheer Paul, MD
11:00 - 11:30 The XEE Files: Cases Studies in Sleep Medicine
Jonathan Juv, MD
11:30 - 12:00 Hypoglossal Nerve Stimulation
Sarah Schwartz, MD
Lunch

PM SESSION 1: LUNG CANCER
1:00 - 1:20 Lung Cancer Screening: Who, When, Why
Hans Lee, MD
1:20 - 1:40 My Patient Has a Lung Nodule: Now What?
Andrew Lerner, MD
1:40 - 2:00 The Death of Pleural Nihilism: Pleural Interventions
David Feller-Kopman, MD, FCCP
2:00 - 2:15 Refreshment Break

PM SESSION 2: INTERVENTIONAL PULMONOLOGY
2:15 - 5:00
EBUS
Vsevolod Polotsky, MD, PhD
Navigational Bronchoscopy
Andrew Lerner, MD, FCCP
Transbronchial Lung Biopsy for the Pulmonologist
R. Scott Stephens, MD
Management of Airleak
Cynthia Rand, MD
Transbronchial Cryobiopsy
David Feller-Kopman, MD, FCCP, Hans Lee, MD, Andrew Lerner, MD, Amy Wynia, MD, DO, FCCP
Adjourn

The Johns Hopkins University School of Medicine takes responsibility for the content, quality and scientific integrity of this CME activity. This schedule is subject to change.

ACTIVITY DIRECTOR
Lawrence J. Niewoehner, DO, FCCP
Assistant Professor of Medicine
Clinical Director, Division of Pulmonary and Critical Care Medicine

ACTIVITY CO-DIRECTORS
Allison Lambert, MD, MHS
Instructor of Medicine
Leann Silhan, MD
Assistant Professor of Medicine

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Registration Form
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August 11-14, 2016
To Register: Online (credit card and eCheck): www.hopkinsCME.edu By phone (credit card only): (866) 510-7088
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TOTAL AMOUNT ENCLOSED $______________

Registration Fees:
Physician: $1,489
Resident/Staff/Nurse/Non-Physician: $1,399
Physician Assistant/Allied Health Professional: $1,399
*with verification of status
Welcome Reception on August 11, 2016
7:00-8:00
We will attend. [ ] No. I am unable to attend.
[ ] I will bring a guest ($700 per guest)
The registration fee includes instructional materials and food and beverage. For registrations received after 9:00 p.m. EDT on August 5, 2016, includes a $50 late fee. On-site registrations are payable only by credit card or eCheck.

Payment Types: [ ] Check [ ] Visa [ ] MasterCard [ ] Discover [ ] American Express

TOTAL AMOUNT ENCLOSED $______________

Or mail this form to the Johns Hopkins University, Office of Continuing Medical Education, P.O. Box 64128, Baltimore, Maryland 21208-4128. Include check payable to JHU/ME/80039585, or include credit card information below.

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