

# UAB MEDICINE

PULMONARY, ALLERGY & CRITICAL CARE  
UAB SCHOOL OF MEDICINE



**Register online**

[www.uab.edu/pulmonaryupdate](http://www.uab.edu/pulmonaryupdate)

University of Alabama at Birmingham

## Pulmonary & Critical Care Update 2013

Basic and Translational Scientific Symposium  
Friday, March 1, 2013

Pulmonary and Critical Care Update  
Saturday, March 2, 2013

Sheraton Hotel • Birmingham, AL

### *Featured Annual Lectures*

#### **BASIC AND TRANSLATIONAL SCIENTIFIC SYMPOSIUM**

**Barry R. Stripp, PhD**

Professor of Medicine and Cell Biology

Division of Pulmonary, Allergy and Critical Care Medicine

Duke University Medical Center

Durham, NC

#### **BRANSCOMB-BRIGGS ANNUAL LECTURE**

**Gerard J. Criner, MD, FACP, FACC**

Chair, Department of Medicine

Professor of Medicine

Director, Medical Intensive Care Unit and Ventilator  
Rehabilitation Unit

Co-Director, Center for Inflammation, Translational and  
Clinical Lung Research

Temple University School of Medicine

Philadelphia, PA

**5 AMA PRA Category 1 credit(s)<sup>TM</sup>**

Sponsored by University of Alabama School of Medicine,  
Division of Continuing Medical Education

BASIC & TRANSLATIONAL SCIENTIFIC RESEARCH SYMPOSIUM
Friday, March 1, 2013

East Meeting Room M, 1:00–4:45 pm

|              |                                                                                                                                                                      |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1:00 pm      | <b>Welcome</b><br>Victor J. Thannickal, MD                                                                                                                           |
| 1:15 pm      | <b>Proteases and Cystic Fibrosis Lung Disease: Biology, Pathology, and Therapeutic Opportunities</b><br>Amit Gaggar, MD, PhD                                         |
| 1:35 pm      | <b>Mechanisms and Modification of Acute Lung Injury</b><br>Sadis Matalon, PhD                                                                                        |
| 1:55 pm      | <b>Role of AMP-activated Protein Kinase in Inflammation and Lung Injury</b><br>Jaroslaw Zmijewski, PhD                                                               |
| 2:10 pm      | <b>Break</b>                                                                                                                                                         |
| 2:30 pm      | <b>miRNAs and Lung Fibrosis</b><br>Gang Liu, MD                                                                                                                      |
| 2:45 pm      | <b>Airway Stem Cells and the Stem Cell Niche in Health and Disease</b><br>Barry Stripp, PhD                                                                          |
| 3:30 pm      | <b>Break</b>                                                                                                                                                         |
| 3:45 pm      | <b>Modulating Oxidative Stress Responses in Mouse Models of Chronic Pulmonary Disease by Altering Expression of the Cation Channel TRPM2</b><br>Frances E. Lund, PhD |
| 4:00 pm      | <b>Antibodies Against Conserved Antigens Shared by Bacteria and Allergen-bearing Fungi Suppress Airway Disease</b><br>John F. Kearney, PhD                           |
| 4:15 pm      | <b>Immunopathogenesis of Fungal Asthma</b><br>Chad Steele, PhD                                                                                                       |
| 4:45 pm      | <b>Poster presentations and cocktail reception</b><br>East N-O Foyer                                                                                                 |
| 6:30–7:00 pm | <b>Presentation of poster awards</b>                                                                                                                                 |

- FACULTY  
**Victor J. Thannickal, MD**  
Professor of Medicine • Director, Division of Pulmonary, Allergy and Critical Care Medicine
- Amit Gaggar, MD, PhD**  
Assistant Professor of Medicine • UAB Division of Pulmonary, Allergy and Critical Care Medicine
- Sadis Matalon, PhD**  
Professor of Anesthesiology • UAB Department of Anesthesiology
- Jaroslaw Zmijewski, PhD**  
Assistant Professor of Medicine • UAB Division of Pulmonary, Allergy and Critical Care Medicine
- Gang Liu, MD**  
Associate Professor of Medicine • UAB Division of Pulmonary, Allergy and Critical Care Medicine
- Frances E. Lund, PhD**  
Professor and Chairman • UAB Department of Microbiology
- John F. Kearney, PhD**  
Professor of Microbiology • UAB Department of Microbiology
- Chad Steele, PhD**  
Professor of Medicine • UAB Division of Pulmonary, Allergy and Critical Care Medicine
- GUEST LECTURER  
**Barry R. Stripp, PhD**  
Professor of Medicine and Cell Biology • Division of Pulmonary, Allergy and Critical Care Medicine  
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FELLOWSHIP REUNION DINNER & ROAST
Friday, March 1, 2013

7:00–9:00 pm Fellowship Reunion Dinner
(Proceeds benefit the UAB Pulmonary Education Fund)
East Meeting Rooms N–O

ROAST AND TOAST TRIBUTE TO
Robert I. Garver, Jr., MD



Rob Garver was a member of the UAB Division of Pulmonary, Allergy and Critical Care Medicine from 1988-2008. His UAB career started as a bench researcher, where most of his effort was directed towards gene therapy, and evolved later toward a primarily clinical role in lung cancer. In the last years of his UAB career, he completed

a Critical Care Medicine Fellowship as the oldest fellow on record at UAB. In 2009, Rob left UAB to start a private practice based in Andalusia, Alabama, with satellite locations in adjoining counties. He also is affiliated with a group in Pensacola, where he works some weekends as an intensivist.

CONFERENCE REGISTRATION

Late fees apply after February 22, 2013
Register online at www.uab.edu/pulmonaryupdate or complete the following form (please print) and mail:

Name
Degree Specialty
Mailing address
E-mail address
Phone

Mail to: Pulmonary Update 2013
Attn: Cyndi Calhoun
UAB Division of Pulmonary, Allergy & CCM
THT 423 - 1720 2nd Avenue South
Birmingham, AL 35294-0006

Registration for March 1st Research Symposium
March 1st 1:00–7:00 pm (No registration fee)

Registration for March 1st Dinner
Dinner \$60.00

Registration Fee for March 2nd
Includes Saturday breakfast and lunch, all conference materials, breaks/snacks, and CME certificates
Physicians: \$200 (\$230 after Feb. 22nd)
Fellows: \$100 (\$130 after Feb. 22nd)
Nurses/RTs: \$155 (\$180 after Feb. 22nd)

Total Payment of \$
Check or money order, payable to UAB Pulmonary Update

VISA Mastercard AMEX

Card #

Exp. date Security code

Signature

Sheraton Birmingham Hotel Reservations

Sheraton Birmingham Hotel
2101 Richard Arrington Jr. Boulevard North
Birmingham, Alabama 35203
Call (205) 324-3000 to make your reservations directly. Ask for the UAB rate, which is \$125 per night. Please make your reservations by February 10, 2013.

PULMONARY & CRITICAL CARE UPDATE
Saturday, March 2, 2013

East Meeting Room M, 8:00 am–2:30 pm

|         |                                                                                                                                  |
|---------|----------------------------------------------------------------------------------------------------------------------------------|
| 8:00 am | <b>Welcome</b><br>J. Allen D. Cooper, Jr., MD                                                                                    |
| 8:10 am | <b>CT Screening and Interventional Approaches to Diagnosis of Lung Cancer</b><br>Wissam Jaber, MD                                |
| 9:00 am | <b>Discussion</b>                                                                                                                |
| 9:10 am | <b>Are We Any Closer? Update in ILD Clinical Trials</b><br>Tracy Luckhardt, MD                                                   |
| 9:30 am | <b>Semi-interventional Pulmonology: Bronchoscopic Lung Volume Reduction and Bronchial Thermoplasty</b><br>Mark T. Dransfield, MD |
| 9:50 am | <b>Risk Factors for COPD Exacerbations: Thinking Outside the Lung</b><br>J. Michael Wells, MD                                    |

10:10 am

10:30 am

10:45 am

11:00 am

11:50 am

12:00 pm

1:00 pm

Exhaled Breath Condensate: More Than Hot Air!
Veena B. Antony, MD
Discussion
Break
Keynote Lecture
COPD Hospitalizations
Gerard J. Criner, MD, FACP, FACC
Discussion
Lunch
Case Discussions
Victor J. Thannickal, MD – Moderator
Panel Members
Gerard J. Criner, MD, FACP, FACC
J. Allen D. Cooper, Jr., MD
James E. Johnson, MD
Mark T. Dransfield, MD
Keith M. Wille, MD
Veena B. Antony, MD

- FACULTY  
**J. Allen D. Cooper, Jr., MD**  
Professor of Medicine • UAB Division of Pulmonary, Allergy and Critical Care Medicine
- Wissam Jaber, MD**  
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- Tracy Luckhardt, MD**  
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## BASIC AND TRANSLATIONAL SCIENTIFIC SYMPOSIUM

Friday, March 1, 2013

## PULMONARY AND CRITICAL CARE UPDATE

Saturday, March 2, 2013



The University of Alabama School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The University of Alabama School of Medicine designates this live activity for a maximum of **5 AMA PRA Category 1 credit(s)**<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

UAB is an Equal Opportunity/Affirmative Action Employer committed to fostering a diverse, equitable, and family-friendly environment in which all faculty and staff can excel and achieve work/life balance irrespective of ethnicity, gender, faith, gender identity and expression as well as sexual orientation. UAB also encourages applications from individuals with disabilities and veterans.



## LEARNING OBJECTIVES

At the end of Pulmonary and Critical Care Update 2013, participants will be able to:

1. Describe the newest strategies on clinical trials for treatment of idiopathic pulmonary fibrosis
2. Review CT screening for lung cancer and interventional bronchoscopy techniques
3. Describe the state-of-the-art practices and newer treatments for asthma and COPD
4. Understand the risk factors for COPD exacerbations
5. Understand the science behind the effects of air pollution on the lung and its role as a direct or indirect cause of specific lung or systemic diseases such as COPD, asthma, cognitive impairment, and cancer
6. Review techniques in preventing hospitalization in COPD

**TARGET AUDIENCE:** This activity is designed for pulmonary and critical care physicians, primary care physicians, fellows, nurses, and respiratory therapists wanting to increase their knowledge in pulmonary and critical care medicine.

