



UAB is pleased to host this educational symposium based on its commitment to research, healthcare and technology. UAB does not support any political views related to this initiative.

This event is sponsored by the UAB School of Medicine, Division of Continuing Medical Education.

CLEAN AIR INITIATIVE

A Scientific and Educational Symposium

Friday, September 21, 2012

7:30 a.m.–8:00 a.m. Pick up conference materials & badges

8:00 a.m.–5:00 p.m. Opening remarks & lecture sessions

UAB National Alumni Society House

University of Alabama at Birmingham

1301 10th Avenue South

Birmingham, Alabama 35294

*APPROVED FOR:
6 AMA PRA CATEGORY
1 CME CREDIT(S)[™]*

**SEATING LIMITED TO
200 REGISTRANTS**

**NO REGISTRATION AT
THE DOOR**

**REGISTRATION
CLOSES WEDNESDAY,
SEPTEMBER 19, 2012**

For many decades, Birmingham and surrounding regions were plagued with poor air quality. The post-WWII industrial boom brought a thriving economy to Birmingham and with it, air pollution that was ranked among the worst in the nation.

In the 1970s and 1990s, industries were mandated under the federal Clean Air Acts to install pollution abatement devices and alter manufacturing processes to reduce industrial pollutants. These efforts ultimately produced significant changes in the region's visible air quality, but significant health hazards for area citizens still remain from high levels of particulate matter and other pollutants.

The symposium's focus is educational: to bring together UAB research, health care, and engineering to educate the community and healthcare providers on the health effects of air pollution; to describe current treatment programs at UAB; and to develop a dialogue with industry and community clean air advocates to find newer technologies to mitigate air quality problems.

For more information and to register, go online to www.uab.edu/medicine/BirminghamCleanAir/

Or contact Janice L. Bernauer in Dr. Veena Antony's office at **205.934.5059** or email **JLBERNAU@uab.edu**

SPEAKERS AND PANEL MEMBERS

Veena B. Antony, M.D.—Professor of Medicine; Director, Environmental & Translational Medicine Program; UAB Division of Pulmonary, Allergy & Critical Care

William C. Bailey, M.D.—Professor of Medicine, Former Medical Director—Lung Health Center, UAB Division of Pulmonary, Allergy & Critical Care

Beverly H. Banister, BCHE—Director, EPA Division of Air, Pesticides and Toxics Management, Region IV, Atlanta, Georgia

Kirsten Bryant—Representative, Greater Birmingham Alliance to Stop Air Pollution (GASP)

Michelle Fanucchi, Ph.D.—Associate Professor and Interim Chair, UAB Department of Environmental Health Sciences, School of Public Health

Robert P. Kimberly, M.D.—Senior Associate Dean for Research, UAB School of Medicine, University of Alabama at Birmingham

Elizabeth Maples, Ph.D.—Assistant Professor, UAB Department of Environmental Health Sciences, School of Public Health

William J. Martin, M.D.—Associate Director for Disease Prevention and Health Promotion, Eunice Shriver National Institute of Child Health and Human Development, National Institutes of Health

Edward M. Postlethwait, Ph.D.—UAB Department of Environmental Health Sciences, School of Public Health

Roderick Royal—Council President, City of Birmingham, Birmingham, Alabama

Bharat Soni, Ph.D.—Professor and Chair, UAB Department of Mechanical Engineering, School of Engineering

Victor J. Thannickal, M.D.—Director, UAB Division of Pulmonary, Allergy and Critical Care

Mark E. Wilson, M.D.—Health Officer, Jefferson County Department of Health, Birmingham, Alabama

Program

7:30–8:00 am	Pick up conference materials and badges
8:00–8:10 am	WELCOME Robert P. Kimberly, M.D.
8:10–8:20 am	OPENING REMARKS Council President Roderick Royal, City of Birmingham, Birmingham, Alabama
8:20–8:30 am	PROGRAM DIRECTOR'S WELCOME Veena B. Antony, M.D.
8:30–9:00 am	First the Good News! Kirsten Bryant
9:00–9:15 am	Why UAB Medicine Is Involved in the Clean Air Initiative. Victor J. Thannickal, M.D.
9:15–10:00 am	PLENARY LECTURE Prenatal and Early Childhood Exposures in Adult Diseases. William J. Martin II, M.D.
10:00–10:30 am	Exhaled Breath Condensate and Early Markers of Lung Injury Secondary to Environmental Pollution. Veena B. Antony, M.D.
10:30–11:00 am	BREAK (beverages and light refreshments)
11:00–11:30 am	Focus on Environmental Insults, COPD, and Lung Cancer. William C. Bailey, M.D.
11:30 am–12:00 pm	Use of 3-Dimensional Technology in Environmental Research. Bharat Soni, Ph.D.
12:00–1:00 pm	LUNCH BREAK (lunch provided for registered attendees only)
1:00–1:30 pm	The Role of the Environmental Protection Agency in Protecting Air Quality. Beverly H. Banister, BCHE
1:30–2:00 pm	The Role of the Jefferson County Department of Health in Environmental Air Monitoring and Mitigation. Mark E. Wilson, M.D.
2:00–2:30 pm	Experimental Models for Respiratory Research. Michelle Fanucchi, Ph.D.
2:30–3:00 pm	BREAK (coffee/tea and light refreshments)
3:00–4:30 pm	PANEL DISCUSSION William Martin, Beverly Banister, Kirsten Bryant, Ed Postlethwait, Victor J. Thannickal, Veena Antony, Mark Wilson (Moderator)
4:30–5:00 pm	Training Tomorrow's Health and Safety Personnel. Elizabeth Maples, Ph.D.

Program Overview

With the creation of UAB's new **Environmental and Translational Medicine (ETM) Program** comes a multidisciplinary effort to understand air pollution problems that have long plagued this state. UAB has a strong commitment to improving the health of the people of Alabama and will use a multifaceted approach through its medical research and engineering talent to deal with health issues tied to environmental origins. The new **Environmental and Translational Medicine Program** and this symposium are part of that effort. Some environmental issues are man-made, and some are natural, including environmental organisms. Through this educational symposium, you will learn how we propose to study, educate and better understand the effects of pollution on human health from any environmental exposure.

The ETM Program has three components: to provide clinical care for patients with disease tied to environmental exposure; to educate the public on the health effects of such exposure; and to conduct research that will work to better assess the risks of exposure by identifying pollution sources, and then search for ways to mitigate or reduce exposures.

One of the first projects of the ETM Program is the **Clean Air Initiative**, a multidisciplinary effort to understand air pollution problems. It involves the UAB schools of Medicine, Public Health, and Engineering in partnership with the Jefferson County Department of Health, the Alabama chapter of the American Lung Association, and GASP (Greater Birmingham Alliance to Stop Air Pollution).

Who Should Attend

Physicians from all medical disciplines, fellows, residents, medical students, healthcare workers, the general public, community leaders, and groups and/or individuals concerned with clean air issues and how air pollution affects health. **Only those who have pre-registered online or by phone may attend. Seating is limited to first 200 registrants.**

Course Format

There will be a series of 30-minute PowerPoint lectures with question-and-answer sessions following each presentation. Speakers are asked to use language that will be understood by all attendees. Lunch is provided for registered attendees only.

FREE CONFERENCE REGISTRATION

No registration at the door

REGISTER ONLINE AT:

www.uab.edu/medicine/BirminghamCleanAir/

If you do not have internet access or have problems accessing our Web site, call Janice Bernauer at 205.934.5059 and provide the following information:

Name _____

E-mail address _____

Daytime phone _____

Degree _____

Specialty _____

Business name or institution _____

Business/institution or home address _____

City _____ State _____ ZIP _____

Will you stay for lunch? Yes No

Do you need a: Vegan meal? Vegetarian meal?

Please describe your interests. (Check all that apply)

- I live in the Birmingham area and have an interest in clean air.
- I live in an area with air pollution problems.
- I am a member of an environmental advocacy group.
- I am a member of the Birmingham business community and have an interest in air quality.

Would you like to receive information via email about UAB's Environmental and Translational Medicine Program/Clean Air Initiative, and the Environmental and Occupational Medicine Clinic? Yes No

REGISTRATION IS LIMITED TO 200

REGISTRATION CLOSSES SEPTEMBER 19, 2012

CLEAN AIR SYMPOSIUM

THT 422 • 1900 UNIVERSITY BLVD
1720 2ND AVE S
BIRMINGHAM AL 35294-0006

ACCREDITATION STATEMENT

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 **6 AMA PRA Category 1 credit(s)**[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

EEOC STATEMENT

UAB is an Equal Opportunity/Affirmative Action Employer committed to fostering a diverse, equitable and family-oriented 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 this scientific and educational symposium, participants should be able to:

1. 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.
2. Have increased knowledge and awareness about the latest advances in translational and environmental research at UAB that relate to air pollution.
3. Understand the role of various organizations, both local and national, that support clean air initiatives, and their advocacy roles and commitment to achieving the common goal of decreasing air pollution.