

# Postgrad Courses

Experts lead sessions from basic science...



ATS 2012 will offer 29 postgraduate courses on a wide variety of topics. A number of these courses will feature small-group breakout sessions, creating opportunities for sustained interaction with leading clinicians and researchers. Three pediatric courses are also among this year's choices.

"We are very pleased to offer such a rich variety of courses this year, running the gamut from basic science to hands-on clinical training, and to have such a distinguished group of clinicians, scientists and educators leading the programs," says James M. Beck, MD, chair of the Society's Education Committee.

## **Diagnostic bronchoscopy course**

PG29 features hands-on training, which will include instruction on use of an airway anatomy model with a bronchoscopy simulator, transbronchial needle aspiration (TBNA) with a simulator, endobronchial ultrasound (EBUS) TBNA with a simulator, EBUS TBNA with models, and management of hemoptysis.

"Leading experts will also provide evidence-based knowledge on the performance of diagnostic bronchoscopy," says course co-chair Arthur Sung, MD, of Beth Israel Medical Center in New York. Didactic content includes segments on the indications and contraindications for bronchoscopy, airway anatomy and pathologies, core diagnostic techniques, an update on lung cancer staging guidelines and an overview of credentialing and business considerations.

## **Ultrasound and echocardiography in the ICU**

PG6 will provide training on ICU-specific ultrasonography and echocardiography. "Participants will learn the indications, techniques and limitations of critical care ultrasonography and echocardiography and gain skills in both vascular and body ultrasound image acquisition and ultrasound-guided vascular and pleural procedures," says course co-chair Daniel De Backer, MD, PhD, of Erasme University Hospital in Brussels, Belgium.



**Dr. Beck**  
PG courses at ATS 2012 "run the gamut from basic science to hands-on clinical training" but they are all led by "a distinguished group of clinicians, scientists and educators."

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## ATS 2012 Postgraduate courses Friday, May 18

- PG1 - Pulmonary Adaptive Immunity: More Than Just Crossing Your T's
- PG2 - Grant Fundamentals for Clinical, Community and Public Health Researchers
- PG3 - Lung Cancer: State of the Art in 2012
- PG4 - Intensive Care Unit Monitoring
- PG5 - Pulmonary and Critical Care Reviews: Built Around ABIM 2011 Modules (Updates) in Pulmonary and Critical Care
- PG6 - Incorporating Ultrasound and Echocardiography into Intensive Care Unit Practice
- PG7 - Epigenetics of Lung Diseases
- PG8 - Difficult Clinical Problems in Pulmonary Infections
- PG9 - The Cellular Foundation of Pediatric Respiratory Disease
- PG10 - Sleep-Disordered Breathing and Associated Co-Morbidities in Children: From Bench to Bedside
- PG11 - New Science in the Comprehensive Management of the Chronic Obstructive Pulmonary Disease Patient
- PG12 - Case-Based Pulmonary Function Test (PFT) Interpretation: The Foundations
- PG13 - What's New in Obstructive Sleep Apnea and Cardiovascular Disease?
- PG14\* - Leadership Workshop: Developing Skills to Advance Your Career and Improve Your Work Environment (Day 1)

## ATS 2012 Postgraduate courses Saturday, May 19

- PG15 - Enhancing Patient-Centered Care and Improving Outcomes Through Motivational Interviewing: A Hands-On Course
- PG16 - Thoracic Imaging
- PG17 - Management of Interstitial Lung Disease: A Case-Based Approach
- PG18 - Exacerbations of Chronic Obstructive Pulmonary Disease: Measurement, Mechanisms, Modeling and Management
- PG19 - Novel Approaches to Investigate Occupational and Environmental Causes in Common Lung Diseases
- PG20 - Host Defense Mechanisms in Pulmonary Infection
- PG21 - The Physiologic Basis of Pediatric Respiratory Diseases
- PG22 - Update in Pulmonary Arterial Hypertension: What's New, What's Now
- PG23 - Update on Venous Thromboembolism
- PG24 - Cardiopulmonary Exercise Testing (CPET): An Evidence- and Case-Based Update 2012
- PG25 - Master Physiology Class: Common Pulmonary Diseases from a Physiologic Perspective
- PG26 - Current and Emerging Treatments for Sleep-Disordered Breathing
- PG27 - Mastering Clinical Teaching Skills for Pulmonary and Critical Care
- PG28\* - Leadership Workshop: Developing Skills to Advance Your Career and Improve Your Work Environment (Day 2)
- PG29 - American Thoracic Society Bronchoscopy Course

\*These courses can be taken separately.

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## to hands-on clinical and leadership training

### Leadership workshop

The Leadership Workshop (PG14/PG28) is designed to help participants develop the skills needed to advance their careers and improve their work environments. Topics that will be covered include negotiating skills, conflict resolution techniques and consensus building. Now a two-day program, this interactive workshop will also address culture and gender issues in the workplace, working across generations and how to deal with challenging individuals.

“Clinical and academic medicine are team sports filled with brilliant people, and with these individuals come big egos and a variety of communication and learning styles,” says Alexander Benson, MD, of the University of Colorado Denver, who participated in last year’s workshop. “A leader must develop strategies to get the best out of other team members. This course helps individuals accomplish that.”

### Pulmonary arterial hypertension

PG22 will provide an update on the latest basic and clinical research in pulmonary arterial hypertension (PAH). Among the topics covered are cellular dysfunction in PAH, genetic determinants, current phenotypes, diagnosis of PAH, treatment targets and options, quality of life and conflicts of interest in PAH research and clinical practice.

“Participants will learn about new basic science, genetic and clinical discoveries in PAH that may translate into the development of novel therapies,” says co-chair Steven M. Kawut, MD, MS, of the University of Pennsylvania School of Medicine. ■

### Pediatric courses

The ATS will also offer three pediatric courses this year, including two complementary sessions on the pathophysiology of pediatric respiratory disease, as well as a course on sleep-disordered breathing in children. “The courses range in scope from fundamental science to clinical care,” says Howard B. Panitch, MD, chair of the Society’s Assembly on Pediatrics.

- **PG9** will focus on the cellular foundation of pediatric respiratory disease, providing an overview of fundamental concepts of lung cell biology in a disease-based format. The program will explore lung growth and development, cellular structure of the respiratory system, lung injury and repair and lung immunity and inflammation through discussion of patient cases.
- **PG21** will focus on the physiologic basis of pediatric respiratory disease, using clinical cases to illustrate physiologic approaches to disease management. An interactive format will be used, with participants using touch pads to respond to questions from the speakers.
- **PG10** will cover sleep-disordered breathing and associated co-morbidities in children. Experts will examine the pathophysiology of various common medical disorders and how these disorders impact sleep. Faculty members will also discuss identifying and evaluating children at high risk for sleep disorders, management strategies, adverse consequences of untreated childhood sleep disorders and the subsequent impact in adulthood.

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