



Boston University School of Medicine



EXCEPTIONAL CARE. WITHOUT EXCEPTION.

## **Department of Medicine MEDICAL GRAND ROUNDS**

*Translating Airway Gene Expression  
into a Biomarker for Lung Cancer*

**Avrum Spira, M.D.**

Associate Professor of Medicine and Pathology, BUSM  
Chief, Computational Biomedicine, BMC

**Friday, May 7, 2010  
12 PM – 1 PM  
Keefe Auditorium**

**At the conclusion of this activity, participants will be able to:**

1. Describe the molecular “field of injury” in airway epithelium associated with tobacco smoke exposure
2. Understand how heterogeneity in the airway gene-expression response to smoking can be used as a clinically-relevant biomarker for the early detection of lung cancer
3. Define the role of microRNA as regulators of the airway genomic response to smoking and how airway microRNA expression can serve as a robust biomarker of lung cancer risk

**Target Audience: Department of Medicine Faculty and House Staff and BUSM medical students**

**Course Director: Robert M. Levin, M.D.**

**Boston University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.**

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

Filename: weekly announcement SPIRA.doc  
Directory: C:\Documents and Settings\kagilber\Local Settings\Temporary Internet  
Files\OLK95  
Template: C:\Documents and Settings\kagilber\Application  
Data\Microsoft\Templates\Normal.dot  
Title:  
Subject:  
Author: logibson  
Keywords:  
Comments:  
Creation Date: 4/7/2010 2:30:00 PM  
Change Number: 4  
Last Saved On: 4/26/2010 9:45:00 AM  
Last Saved By: elconnol  
Total Editing Time: 20 Minutes  
Last Printed On: 5/3/2010 1:44:00 PM  
As of Last Complete Printing  
Number of Pages: 1  
Number of Words: 200 (approx.)  
Number of Characters: 1,143 (approx.)