

## Lung Cancer Workshop IX

### Application of Quantitative CT Imaging to

### Early Lung Cancer Management: Accelerating Progress

May 3 - 4, 2012 • Hyattsville, Maryland • USA

## A G E N D A

### Day One - Thursday, May 3

#### 7:30 AM Continental Breakfast

*General Session  
Location:*

2101/2102/2105 - Second Floor

8:30 AM

Welcome

- Carolyn R. Aldigé, *Prevent Cancer Foundation*

8:40 AM

Overview and Workshop Goals

- James L. Mulshine, MD, *Rush University Medical Center*

9:00 AM

Realizing the Promise of Lung Cancer Screening

- Andrew von Eschenbach, MD, *President, Samaritan Health Initiatives, Former Director of the National Cancer Institute (NCI); Former Commissioner of the U.S. Food and Drug Administration (FDA)*

9:30 AM

Integrating Quantitative Imaging into Lung Cancer Screening

- Daniel C. Sullivan, MD, *Duke University Medical Center*

10:00 AM

FDA Vision of Quantitative Imaging and Measurement Science Cancer

- Kyle Myers, PhD, *U.S. Food and Drug Administration (FDA)*

#### 10:30 AM 10-Minute Break

10:40 - 12:40 PM

**Session: Overview of Current Status of Image Processing Research**

10:40 AM

Chair: Ricardo S. Avila, MS, *Kitware, Inc.*

Panel: Accelerating Algorithmic Progress in Quantitative Imaging

- Andrew J. Buckler, MS, *BBMSC*
- Laurence P. Clarke, PhD, *National Cancer Institute (NCI)*
- Gary J. Kelloff, MD, *National Cancer Institute (NCI)*

Group Discussion

11:40 AM

Chair: David F. Yankelevitz, MD, *Mt. Sinai Medical Center*

Panel: Integrating Diagnostic Work-up into Lung Cancer Screening

- Frank Detterbeck, MD, FACS, FCCP, *Yale Medical Group*
- Gianluca Paladini, PhD, *Siemens Innovation Center*
- Charles A. Powell, MD, *Mt Sinai Medical Center*
- Susan A. Wood, PhD, *Vida Diagnostics*

Group Discussion

## AGENDA

### Day One - Thursday, May 3 continued ...

#### 12:40 PM Lunch in the Lower Level Concourse

#### 1:30 - 3:30 PM **Session: Additional Considerations in Catalyzing Progress**

Chair: Claudia I. Henschke, PhD, MD, *Mt. Sinai Medical Center*

#### 1:30 PM Opportunities to Advance Quantitative Imaging and Systematic Lung Cancer Screening Research in the Veteran Administration (VA) System

- Samuel M. Aguayo, MD, *Phoenix Veterans Administration Health Care System*

#### 2:00 PM Gap Analysis: What Should Be Done to Accelerate QI in Tool Development and Validation?

- Anthony P. Reeves, PhD, *Cornell University*

#### 2:30 PM Gap Analysis: Considerations in Cost Effectiveness with Image Processing Applications

- Juan P. Wisnivesky, MD, DrPH, MPH, *Mt. Sinai School of Medicine*

#### 3:00 PM Approaching Integrated Screening with Quantitative Imaging for Tobacco-exposed High Risk Cohorts

- Claudia I. Henschke, PhD, MD, *Mt. Sinai Medical Center*

#### 3:30 PM 10-Minute Break

#### 3:40 - 4:40 PM Breakout Group Work Session 1

*Location:  
Room 2110  
Second Floor*

#### **Group A:** Progress with Quantitative Imaging from a Policy Perspective

Facilitators:

- Thomas M. Baer, PhD, *OSA, Stanford Photonics Research Center*
- Laurie Fenton Ambrose, *Lung Cancer Alliance*
- Daniel C. Sullivan, MD, *Duke University Medical Center*
- Andrew von Eschenbach, MD, *Samaritan Health Initiatives*

*Location:  
Room 2129  
Second Floor*

#### **Group B:** Implementing Quantitative Imaging Process in Screening and Treatment Clinical Settings

Facilitators:

- Ricardo S. Avila, MS, *Kitware, Inc.*
- Nicholas Petrick, PhD, *U.S. Food and Drug Administration (FDA)*

## **A G E N D A**

### **Day One - Thursday, May 3 continued ...**

**4:40 PM 5-Minute Break to return to General Session Room**

**4:45 - 5:45 PM Session: What We have Learned and Where Can We Go**

Chair: James L. Mulshine, MD, *Rush University Medical Center*

**4:45 PM Progress in Understanding Sources in Variance with Quantitative Imaging**

- Nicholas Petrick, PhD, *U.S. Food and Drug Administration (FDA)*

**5:15 PM Path Forward for Lung Cancer Screening**

- Robert A. Smith, PhD, *American Cancer Society (ACS)*

**5:45 PM Meeting Adjourns for the Day**

**6:00 PM Reception in the Sheppard Gallery**

## AGENDA

### Day Two - Friday, May 4

#### 7:30 AM Continental Breakfast

*General Session  
Location:*

2101/2102/2105 - Second Floor

#### 8:30 AM - 10:30 PM Session: Progress with COPD and Moving to Target-based Care

Chairs: Russell P. Bowler, MD, PhD, National Jewish Hospital, Denver, CO  
Ricardo S. Avila, MS, Kitware, Inc.

#### 8:30 AM Panel: COPD and Integrative Possibilities

- Russell P. Bowler, MD, PhD, National Jewish Hospital, Denver, CO
- John D. Newell, MD, University of Iowa Carver College of Medicine

#### 9:30 AM Leveraging COPD Imaging Research with Relevance to Lung Cancer

- Ricardo S. Avila, MS, Kitware, Inc.

#### 10:00 AM Personalized Drug Therapy for Early Lung Cancer

- Ravi Salgia, MD, PhD, University of Chicago Medical Center

#### 10:30 AM 10-Minute Break

#### 10:40 - 11:40 AM Breakout Group Work Session 2

*Location:  
Room 2110  
Second Floor*

#### Group A: Progress with Quantitative Imaging from a Policy Perspective

Facilitators:

- Thomas M. Baer, PhD, OSA, Stanford Photonics Research Center
- Laurie Fenton Ambrose, Lung Cancer Alliance
- Daniel C. Sullivan, MD, Duke University Medical Center
- Andrew von Eschenbach, MD, Samaritan Health Initiatives

*Location:  
Room 2129  
Second Floor*

#### Group B: Implementing Quantitative Imaging Process in Screening and Treatment Clinical Settings

Facilitators:

- Ricardo S. Avila, MS, Kitware, Inc.
- Nicholas Petrick, PhD, U.S. Food and Drug Administration (FDA)

#### 11:40 PM Lunch in the Mt. Clare Café - First Floor

#### 12:40 PM Breakout Group Reports

**Group A**  
**Group B**

#### 1:40 PM Meeting Conclusion and Action Plans Moving Forward

- James L. Mulshine, MD, Rush University Medical Center

#### 2:00 PM Program Concludes