

Application of Quantitative CT Imaging to Early Lung Cancer Management: Accelerating Progress May 2 - 3, 2011 • Bethesda, Maryland • USA

DRAFT AGENDA

Day One - Monday, May 2

7:30 AM	Conference Registration
Grand Ballroom Foyer 8:00 AM Grand Ballroom A & B	Welcome Chairs: ➤ Carolyn R. "Bo" Aldigé, Prevent Cancer Foundation ➤ Thomas M. Baer, PhD, Optical Society of America (OSA), Stanford Photonics Research Center
8:10 AM	Overview and Workshop Goals • James L. "Jim" Mulshine, MD, Rush University Medical Center
8:30 AM	Towards the Evaluation of 3D Tumour Volume for Use in Response Assessment • Marietta L. J. Scott, PhD, AstraZeneca UK Limited
9:00 AM	Integrating Quantitative Imaging for Screening Case Detection • Mathias Prokop, MD, Erasmus University
9:30 AM	Tightening Variance: Role of Phantom Integration in-Quantitative Imaging • Ricardo S. "Rick" Avila, Kitware, Inc.
10:00 AM	15-Minute Break
	15-Minute Break Approach to Biomarker Qualification • Enrique E. Aviles, BSME, Critical Path Institute
10:15 AM	Approach to Biomarker Qualification
10:15 AM 10:30 AM	Approach to Biomarker Qualification • Enrique E. Aviles, BSME, Critical Path Institute RSNA's QIBA Volumetric CT: Rolling Towards Qualification
10:15 AM 10:30 AM 11:00 AM	 Approach to Biomarker Qualification Enrique E. Aviles, BSME, Critical Path Institute RSNA's QIBA Volumetric CT: Rolling Towards Qualification Andrew J. Buckler, MS, Buckler BioMedical LLC Moving to Automated VIA in Clinical Trials: Changes according to Nodule Characteristics



Application of High Resolution CT Imaging Data to Lung Cancer Drug Development: Measuring Progress

Day One - Monday, May 2 continued ...

Day One - Monday, May 2 continued			
12:30 PM	Lunch		
Kenwood/Montrose/ Great Falls Room 1:30 PM Grand Ballroom A & B	Panel: Grand Challenge: Algorithm Validation Process Discussion: Software Evaluation for Quantitative Analysis of Nodule Work Up from two Prospective Screening Studies Facilitator: Ricardo S. "Rick" Avila, Kitware, Inc. • Discussion NELSON Cases and Controls: Mathias Prokop, MD, Erasmus University • Discussion of I-ELCAP Cases for Algorithm Validation: Claudia I. Henschke, PhD, MD, Mt. Sinai Medical Center: • Presentation of Batch Image Analysis: Anthony P. Reeves, PhD, Cornell University		
2:30 PM	Status of the NCI Quantitative Imaging Network • Larry Clarke PhD, National Cancer Institute		
2:50 PM	Introduction to Breakout Group Process • James L. "Jim" Mulshine, MD, Rush University Medical Center		
2:55 PM	5-minute Break		
3:00 – 3:45 PM Potomac/ Bethesda Room Montgomery/ Democracy Room	Breakout Group Work Session 1 Group A: Strategic Planning Accelerating Qualification Through Process Optimization • Facilitators: Ricardo S. "Rick" Avila, Kitware, Inc. Andrew J. Buckler, MS, Buckler BioMedical LLC Marietta L. J. Scott, PhD, AstraZeneca UK Limited Group B: Strategic Planning: Exploring Models for Implementing a National Infrastructure for Quantitative Imaging in Early Lung Cancer Management • Facilitators: Thomas M. Baer, PhD, OSA, Stanford Photonics Research Center Laurie Fenton Ambrose, Lung Cancer Alliance Carolyn R. "Bo" Aldigé, Prevent Cancer Foundation		
3:45 PM	5-minute Break		
3:50 PM Grand Ballroom A & B	CT Imaging Progress with COPD • Raul San Jose Estepar, PhD, Brigham and Women's Hospital – Harvard Medical School		
4:10 PM	Quality Control Of Quantitative Lung Imaging In A Multi-center Trial: COPDGen Experience • Jered Sieren, BS RT(R) CT MR, University of Iowa		
4:30 PM	Quantitative Approaches to the Pathological Evaluation of NSCLC • Jessica C. Sieren PhD, University of Iowa		
4:50 PM	CT Approach to Measuring Other Tobacco-related Injury During Cancer Screening • Claudia I. Henschke, PhD, MD, Mt. Sinai Medical Center		



Application of High Resolution CT Imaging Data to Lung Cancer Drug Development: Measuring Progress

Day One - Monday, May 2 continued ...

5:10 PM Panel: Lung Cancer and COPD: Collaboration Opportunities with Phantoms Archives and Algorithms

Chairs:

- > Ricardo S. "Rick" Avila, Kitware, Inc.
- Raul San Jose Estepar, PhD, Brigham and Women's Hospital Harvard Medical School
 - Jered Sieren, BS RT(R) CT MR, University of Iowa
 - Robert J. Nordstrom, PhD, National Cancer Institute (NCI)
 - Anthony P. Reeves, Cornell University

5:30 PM Meeting Adjourns for the Day

6:30 PM Departure for Reception and Dinner, the Cosmos Club

If you plan to attend the reception and dinner, please be in the Marriott Bethesda's lobby no later than 6:15 PM to catch the bus to the Cosmos Club



Application of High Resolution CT Imaging Data to Lung Cancer Drug Development: Measuring Progress

Day Two - Tuesday, May 3

7:30 AM	Continental	Breakfast

Grand Ballroom Foyer

8:00 AM

New Image Processing Resources

Grand Ballroom A & B

Anthony P. Reeves, PhD, Cornell University

8:30 AM

QIBA 1A: Evaluation of Nodule Sizing by Radiologists through CT Phantom Imaging of Synthetic Nodules

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

9:00 AM Tumor Volume and Clinical Outcome - A role for Re-use of High Quality Quantitative Image Databases?

TBD

9:30 AM Personalizing Early Lung Cancer Clinical Trials

Natasha Leighl, MD, Princess Margaret Cancer Center

10:00 AM Potomac/ Breakout Group Work Session 2

Group A: Strategic Planning: Accelerating Qualification Through Process Optimization

Bethesda Room

Facilitators: Ricardo S. "Rick" Avila, Kitware, Inc.

> Andrew J. Buckler, MS, Buckler BioMedical LLC Marietta L. J. Scott, PhD, AstraZeneca UK Limited

Montgomery/ Democracy Room Group B: Strategic Planning: Exploring Models for Implementing a National Infrastructure for Quantitative Imaging in Early Lung Cancer Management

Facilitators: Thomas M. Baer, PhD, OSA, Stanford Photonics Research Center Laurie Fenton Ambrose, Lung Cancer Alliance

11:00 AM Grand Ballroom A & B

Panel: Image Qualification: Where Are We? Perception and Reality

Moderator: P. David Mozley, MD, Merck Pharmaceutical

- Gary J. Kelloff, PhD, National Cancer Institute (NCI)
- Andrew J. Buckler, MS, Buckler BioMedical LLC
- Enrique E. Aviles, BSME, Critical Path Institute

11:30 AM

Panel: Image Archives: Where Are They and What Next?

Moderator: Raul San Jose Estepar, PhD, Brigham & Women's Hospital - Harvard Medical School

- Status of "Give A Scan" Update: Laurie Fenton Ambrose, Lung Cancer Alliance
- Terry S. Yoo, PhD, National Library of Medicine
- Charles "Chuck" Fenimore, PhD, National Institute of Standards & Techniques (NIST)

Lunch 12:30 PM

Kenwood/Montrose/ Great Falls Room

Grand Ballroom A & B

1:30 PM Progress in Quantitative Imaging Trial: Industry Perspective

P. David Mozley, MD, Merck Pharmaceutical

2:00 PM **Breakout Group Reports**

> **Group A:** Strategic Planning: Accelerating Qualification Through Process Optimization Group B: Strategic Planning: Exploring Models for Implementing a National Infrastructure

for Quantitative Imaging in Early Lung Cancer Management

2:30 PM Meeting Conclusion and Final Comments

James L. Mulshine, MD, Rush University Medical Center

2:45 PM Program Concludes