The broadest mission of these Conferences is collective pursuit of understanding of the issues surrounding early diagnosis and treatment of lung cancer. Among the issues is the opportunity to screen for other diseases, given the low-dose CT imaging of the chest in screening for lung cancer.

Friday, March 19, 2010

Armstrong Hall, Sandra Day O’Connor College of Law
South McAllister Street and Orange Street, Tempe, AZ

8:30 – 8:40 Welcome. Moderator: J.P. Smith
R. F. Shangraw, VP Research and Economic Affairs, Arizona State University
A. Nelson, Executive Director, Biodesign
C. Henschke, PI, I-ELCAP

8:40 – 8:45 The Conference agenda – C. Henschke

8:45 – 10:00 Global Perspectives on Lung Cancer. Moderator: D. Burns
Smoking: a global challenge in public health – P. Boyle
Mortality reduction from the actuarial viewpoint – B. Pyenson
Lung cancer prevention and control in China – P. Zhao
The International Lung Cancer Consortium – P. Boffetta
Biodesign vision – A. Nelson

10:05 – 10:30 Coffee break

10:30 – 12:00 Pathology of Lung Adenocarcinoma. Moderator: D. Carter
Mapping the genome – A. Gazdar
Histological and immunohistochemical identification of minimally invasive adenocarcinoma – M. Noguchi
Histomolecular issues in classification and staging – E. Brambilla
Potential updates to staging system – W. Travis
The role of cytology – M. Vasquez

12:00 – 1:00 Lunch at Biodesign East Patio
Friday, March 19, 2010

Armstrong Hall, Sandra Day O’Connor College of Law
South McAllister Street and Orange Street, Tempe, AZ

1:00 – 1:45  **I-ELCAP Update.** Moderator: A. Miller
Protocol and results – C. Henschke
Computer diagnostics – A. Reeves
Pathology – D. Carter

1:45 – 2:15  **Personalization for Early Diagnosis and Treatment.**
Moderator: D. Yankelevitz
Risk assessment – J. Field
Screening – C. Henschke
Treatment – J. Wisnivesky

2:15 – 2:30  **Coffee break**

2:30 – 4:00  **Personalization using Biosignatures.** Moderator: P. Boffetta
Integration of biosignatures – C. Etzel
DNA markers – R. Young/K. Murphy
DNA methylation – M. Brock
Protein microarrays for immunosignatures and biomarkers – J. LaBaer
Immunosignatures – S. Johnston
Autoantibodies – S. Hanash
Sputum cytology: automated analysis – A. Nelson

4:00 – 5:00  **Special Lecture.** Moderator: A. Nelson
FDA on biomarkers: the new “Qualification for Use” process
– R. Woosley

6:30 – 10:00  **Cocktails and dinner at Rustler’s Rooste**
8383 S. 48th Street, Phoenix AZ ([www.rustlersrooste.com](http://www.rustlersrooste.com))

Special Talk: Origins of Flight Attendants’ Medical Research Institute –
P. Young, Board of Trustees, FAMRI
22\textsuperscript{nd} International Conference on Screening for Lung Cancer  
Arizona State University, Tempe, Arizona  
March 19-21, 2010

Saturday, March 20, 2010

Armstrong Hall, Sandra Day O'Connor College of Law  
South McAllister Street and Orange Street, Tempe, AZ

9:00 – 10:30 Ancillary Studies in CT Screening for Lung Cancer. Moderator: J. Mulshine  
Randomized treatment trial using budesonide and genomics – G. Veronesi  
Lung cancer mutations: screening vs. no screening – M. Lozano  
Biomarkers in the Italung trial – E. Paci/F. Carozzi  
The usefulness of PET scans – J. Pedersen  
Behavioral studies – R. van Klaveren

10:30 – 11:00 Coffee break

11:00 – 11:30 Coupling of Smoking Cessation Efforts with Screening, Moderator:  
Cessation interventions and healthcare resources in Arizona – S. Leischow  
Attained cessation in screening studies – D. Burns

11:30 – 12:15 Stage I Lung Cancer Outside of Screening: Moderator: J. P. Smith  
Current experience – R. McKenna  
Panel discussion – J. Yoshida, C. Connery, R. McKenna, J. Pedersen, G. Veronesi

12:15 – 2:00 Lunch (Tour of Biodesign Institute – sign-up needed)

2:00 – 3:00 Biorepositories: Lessons Learned. Moderators: C. Brambilla, F. Hirsch  
The ACRIN Repository – W. Franklin  
International Biobank Network: the IARC experience – P. Hainaut  
Biobanking and Biomolecular Resources Research Infrastructure – M. Pasterk  
Lung cancer biobanking at CIMA (University of Navarra, Spain): challenges and perspectives – L. Montuenga  
The Liverpool Repository – J. Field

3:00 – 3:30 Coffee break

3:30 – 4:30 Workshops  
Global Alliance for Lung Cancer Research. Moderators:  
P. Boffetta, D. Yankelevitz, R. Woosley, R. Martel  
Virtual biorepository: challenges and solutions. Moderators: TBA

6:00 – 10:30 Cocktails and dinner at Herb Garden, Desert Botanical Gardens  
1201 N. Galvin Parkway, Phoenix AZ (www.dbg.org)
Sunday, March 21, 2010

Biodesign Auditorium
1001 South McAllister Street, Tempe, AZ

9:00 – 10:00  Steering Committee Meeting

10:00 – 11:00  Oral presentations, Moderator: F. Grannis

11:00 – 12:00  Poster presentations, Moderator:

12:00 – 12:30  Workshop Reports and Summary Statement