

## **QIBA COPD/Asthma Phantom Design Work Group**

Wednesday, February 16, 2011; 2 PM CST

### **Call Summary**

#### **In attendance**

Philip Judy, PhD (Chair)

Andrew Buckler, MS

Heather Chen-Mayer, PhD

Eric Hoffman, PhD

Zachary Levine, PhD

Joshua Levy

Jered Sieren

Berend Stoel, PhD

RSNA

Joe Koudelik

#### **Agenda**

- Begin the description of the calibration process (NIST to patient) that will achieve a 1 HU consistency
- NIST foam density scanning results discussed (Drs Chen-Mayer and Levine)
- COPDGene phantom systematic CT number differences across various scan sites discussed
- Goal is to develop a foam where the HU variation will not be a phantom effect, but limited to a scanner effect only

#### **Next Steps**

- Mr Levy offered to provide additional foam sampled for further analysis to anyone interested
  - Dr Judy to follow-up with Mr Levy concerning available foam
- Drs Chen-Mayer and Levine to present how materials can be calibrated on next call
- Information transfer process/issues to be discussed
- Additional experiments to pursue (input) needed for the modified COPDGene phantom
- Next call for the Phantom Design Work Group will be: Wednesday, March 2, 2011 at 2 PM CST