

# Quantitative Imaging for evaluation of Response to Cancer Therapies

March 5-6<sup>th</sup>, 2012

Meeting Location: Natcher, NIH Campus

## DAY 1

**7:45** Gathering: Loading of slides in advance  
**8:00** Welcome

Robert Nordstrom  
Lead Program Director, QIN  
Paula Jacobs  
Acting AD  
Cancer Imaging Program, DCTD, NCI.

**8:20** QIN Challenges and Deliverables for 2012 and beyond:  
An NCI perspective  
(30 min presentation, 10 min discussion)

Larry Clarke,  
Science Officer  
Branch Chief, Imaging Technology Development  
Robert Nordstrom  
QIN Program Director  
Cancer Imaging Program, DCTD, NCI.

### Session 1            QIN New PI Presentations

Presentations by new members that joined QIN after March 2011.  
(15minute presentation, 5 min discussion)

**9:00** Nola Hylton  
University of San Francisco

**9:20** Wei Huang  
University of Oregon

**9:40** Sadek Nehmeh  
MSKCC

**10:00** Rich Wahl  
Johns Hopkins University

**10:20** Coffee break

**10:45** **Session 2 QIN Management Challenges & Direction**  
QIN Scientific and Logistical Challenges: SC Perspective.  
(20 min presentation, 20 min discussion)  
Paul Kinahan and Jim Mountz

**11:15** **Session 2: Poster Session**  
(8 by 4 feet size)

1. All 13 QIN Teams (13 posters)
2. NCI TCIA (1 poster)
3. QIN-SharePoint (1 poster)
4. BIRN (Informatics) (1 poster)
5. ADNI project (informatics/Statistics) (1 poster)
6. R01 funded projects linked to QIN (3 posters)
7. QIBA (1 poster)
8. Other suggestions AIM, AVT?

**12:30** **Box Lunch**

**1:00** **Session 3: Working Group (WG) and Sub WG 's**  
Presentations (1/2) with discussions (1/2) time  
Progress and immediate plans (2011-2012)

**Image Analysis and Performance Metrics**

Sub WG: Lung CT

Sub WG: DCE MRI

Sub WG: PET CT

**2:30** **IT Informatics**

**3:00** **Clinical Trial Development & Design**

**3:30 Coffee Break**

**Session 4: Longitudinal Measurements- Uncertainty Problem**

**Cross Commercial Platform Harmonization  
Leveraging QIN, ACR, QIBA, and scientific societies  
Presentations 15 min, discussion at end of session**

**4:00** PET CT: Paul Kinahan  
**4:15** DW MRI: Tom Chenevert (Invited speaker)  
**4:30** DCE MRI: Ed Jackson (Invited speaker)  
**4:45** Discussion

**5.15 Informal dinner arrangements**

**Quantitative Imaging for evaluation of Response to Cancer Therapies**

**DAY 2**

**7:45 Gathering: Preparation of slides**

**8:00 Panel Discussion**  
Moderator: Larry Clarke  
Topic: QIN as an Imaging Resource in Cancer Center Clinical Trials.  
Barriers/Solutions: Commercial tool dissemination -reimbursement  
  
Panel Members; TBD

**8:55 Session 4: WG Breakouts**  
Instructions to working groups  
Robert Nordstrom

**9:00 Working Groups (WG) and Sub WG Breakouts (4 rooms)**  
Image Analysis and Performance metrics and Sub- WG's  
  
Informatics  
  
Clinical Trials

QIN Management and Outreach.

**10:00 Coffee Break**

**10:30 Session 5: Invited lecture**  
Imaging and correlation with Genomics  
Presentation 30 min, 10 min discussion  
Speaker TBA

**11:10 Session 6: WG and Sub WG Presentations**

**Presentation by Working Groups: QIN Deliverables  
(10 min presentation, 5 min discussion)**  
Image Analysis and Performance metrics and Sub- WG's  
Informatics  
Clinical Trials

**12:10 Box Lunch**

**1:00 Session 7: QIN Management**

QIN Steering Committee Meeting: Plans for 2012 and beyond  
Chairs: Paul Kinahan and Jim Mountz

1. Final Recommendations: QIN SC, WG, Sub WG's
2. PAR schedule/Alternative funding issues
3. Election of new QIN Co-Chairs
4. Election of Chair and Co-Chair for each WG
5. Plans for future video conferences and meetings
6. Other administrative items

**2:30 End Meeting**