

Agenda

Quantitative Imaging Network (QIN) Annual Meeting April 13 - 14th, 2015

**April 13 Day 1: Main Conference Room: All sessions in this room are telecast
Set up posters for session 1**

8:00 AM **Introductory Remarks**
Paula Jacobs, NCI, NCI leadership: TBA

8:10 AM **Introduction: Meeting Theme:** Moving from discovery in tool development to deployment and clinical workflow
Robert Nordstrom and Larry Clarke, CIP, NCI

8:30 AM
Session 1: Keeping the Clinical Endpoints in Mind: Single and Multi-Site Trails
(20min presentation: Discussion 10 min)
Chair: Robert Nordstrom, NCI

8:30 AM Multi-site Volume CT Measurements: Lung CT Volume measurements
Larry Schwartz Page 1 in Presentations Section
Columbia University

8:50 AM Multi-site: DCE MRI-I Spy and plans for "Clinical Grand Challenge"
Nola Hilton Page 2 in Presentations Section
USCF

9:10 AM ECOG -ACRIN: QIN Access to Retrospective Multi-site Clinical Trial Data
Mitch Schnall Page 3 in Presentations Section
ECOG-ACRIN

9:30 AM Clinical Workflow and Deployment of Clinical Decision Tools
Daniel Rubin Page 4 in Presentations Section
Stanford University

9:50 AM Discussion

10:00 AM **Coffee Break, Computer Demonstrations and Poster Session 1**

Noon Lunch

12:30 PM
Session 2: QIN: Current progress and future strategy for software "grand challenges"
(15 min presentations, 15 min discussion)
Chair: Yantian Zhang, NCI

12:30 PM Data acquisition and Data Analysis: PET CT
John Sunderland Page 5 in Presentations Section
University of Iowa

**April 14 Day 2: Main Conference Room: All sessions in this room are telecast
Set up posters for session 2**

7:50 AM Brief Announcements
Robert Nordstrom, NCI

8:00 AM
Session 5 Associate Members Presentations: National and International
(15 min, 15 min discussion)
Chair: Pushpa Tandon

8:00 AM Potential for QIN-ITCR to serve as a technical resource for radiomics: Case Study
Hugo Aerts Page 10 in Presentations Section
Dana Farber Cancer Center

8:15 AM Potential for QIN-ITCR to serve as a technical resource for digital pathology: Case Study
Joe Saltz Page 11 in Presentations Section
Stony Brook University Cancer Center

8:30 AM Quantitative MRI and MRS in Breast Cancer: An Indian Experience
Naranamangalam R Jaganathan Page 12 in Presentations Section
All India Institute of Medical Sciences

8:45 AM Discussion

9:00 AM
Session 6 Review of response to questions by the four breakout groups

9:00 AM Breakout topic review.
(Breakout leaders report)
Chair: Robert Nordstrom

11:00 AM Coffee Break: Computer demonstrations and posters session 2

11:30 AM
Session 7 WG Breakouts

11:30 AM QIN: Four WG Breakouts: Review progress and plans

Noon
Session 8 Business Meeting:
Chair: Robert Nordstrom, NCI

Noon Announcements of Co-Chairs: EC, CC and each WG

Closing Remarks
Robert Nordstrom and Larry Clarke, NCI

12:15 PM Lunch
Computer demonstrations and posters session 2

1:15 PM

Session 9

QIN CBIIT Informatics Requirements for Clinical Decision Support and Precision Medicine

Session Theme: Investigate the feasibility of engaging stakeholders from academic and industry to support an interoperable informatics research infrastructure for the evaluation of clinical support systems (clinical, digital pathology, pre-clinical imaging), as required for precision medicine. The intent of the workshop is to seek input from all stake holders and to then explore the generation of a white paper that may help guide NCI and CBIIT future investments in imaging informatics.

1:15 PM

Overall goals of the session (Larry Clarke)

To provide a long term vision and justification of the workshop theme, with a focus on funding opportunities for research and clinical decision support systems and the potential government regulatory implications for open science approaches for their evaluation. The importance of quantitative imaging standards and reproducibility in research will be addressed with the context of an informatics infrastructure to support precision medicine for cancer imaging.

1:45 PM

Informatics and Image Archive Use Cases (Jose Galvez)

Introduce the idea of an open source and interoperable cancer imaging platform to encourage interoperability/collaboration in pre-competitive space that can be implemented in the research setting. The long term goal is to provide a research framework for the integration of imaging data with other research domains such as genomics for the experimental evaluation of clinical decision support systems. Interactive discussion will follow to incorporate attendee feedback.

2:30 PM

Existing Informatics and Archive Initiatives (John Freymann/Justin Kirby)

Review of informatics projects funded by NIH, NIBIB-QIBA, NIST and others active in the imaging research domain. Determine how they fit into the use cases identified in Session 2. Interactive discussion will follow to incorporate attendee feedback.

3:15 PM

Community recommendations on next steps (panel discussion)

Moderated by NCI with Panel Members from Academia, Industry, Other government organizations (FDA, NIST, NIH)

Panel members will each summarize their thoughts on a path forward based on the earlier discussion and lead a group discussion.

4:45 PM

NCI Summary of meeting

NCI representatives from CBIIT and CIP will discuss their thoughts on the workshop, plans for future T-CONs and development of a white paper

5:00 PM

Close of the CBIIT workshop