

Final Agenda

Annual Meeting

Quantitative Imaging Network

May 17 – 18, 2018

Thursday: May 17, 2018

8:00 Welcome

Paula Jacobs, Ph.D.
Associate Director DCTD
NCI

8:05 Challenges and Roadmap for QIN

Robert Nordstrom, Ph.D.
QIN Director
and
Janet Eary, M.D.
Deputy Associate Director
DCTD/NCI

Session 1: Clinical Translation and Validation of Tools

Janet Eary, M.D.: Chair

8:10 Introduction to this session: Tool Validation Concepts

Janet Eary, M.D.

8:15 Overview of the statistical considerations for implementing Profiles into clinical trials

Nancy Obuchowski, Ph.D.
Cleveland Clinic Foundation

8:40 Study design and analysis for tool validation

Erich Huang, Ph.D.

9:00 NCTN Discussions

Larry Schwartz, M.D. Alliance
David Mankoff, M.D. ECOG-ACRIN
John Buatti, M.D. NRG

Topics for discussion:

1. Ways to outreach validation requirements and their implementation
2. Identify possible areas within NCTN to perform validation tests
3. Identify critical trials areas where tools will be helpful now
4. Address obstacles to tool validation throughout QIN
5. Identify areas for collaboration with QIBA

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- 9:40 Open Mic Discussion: Requesting 1 – 2 slides presentation (5mins for each team)
- (1) Maryellen Giger, Ph.D.
 - (2) Hyunsuk Shim, Ph.D.
 - (3) Sandy Napel, Ph.D.
 - (4) Richard Wahl, MD.
 - (5) Paul Kinahan, Ph.D.

Open Discussions

- 10:30 Break: Poster Session
Clinical Trial Design and Development Break Out (2nd floor West wing Rm # 910)
BIDS Working Group Break Out - (2nd floor East wing Rm # 908)

- 11:30 Featured Tool Demonstration:
Lubomir Hadjiyski, Ph.D.
University of Michigan

- 12:00 Lunch
Working Group Breakout Rooms Available:
2E908 (BIDS)
2E914 (IAPM)
2W910(CTDD)
2W912 (MRI)
2W914 (PET/CT)

Session 2: QIN Growth and Development

Robert Nordstrom, Ph.D.: Chair

- 1:00 Young Investigator Award
Angela Jarrett, Ph.D. Univ. of Texas at Austin
“Predicting the response of breast cancer to neoadjuvant therapy using a mathematical model calibrated by quantitative MRI data”
- 1:30 New QIN Investigator Presentation
Ananth Madhuranthakam
University of Texas Southwestern
- 1:45 New QIN Investigator Presentation
Amita Dave
MSKCC
- 2:00 Break: Poster Session
MRI Working Group Break Out (2nd Floor East Wing Rm # 908)
PET/CT Working Group Break Out (2nd floor West Wing Rm # 910)

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Session 3: QIN Interactions with Other Programs

Darrell Tata, Ph.D.: Chair

- 3:00 Potpourri
International Growth of QIN (10 min) + Poster
Pushpa Tandon, Ph.D.
- Co-clinical opportunity & progress (20 min) + Poster
Huiming Zhang, Ph.D.
- 3:30 Moving Away from Sharepoint (20 min)
Keyvan Farahani, Ph.D.

Session 4: Imaging Data Resources for Tool Validation

Robert Nordstrom, Ph.D.: Chair

- 3:45 TCIA Roadmap: New capabilities of interest to QIN
Fred Prior, Ph.D.: University of Arkansas
Ashish Sharma, Ph.D.: Emory University
Joel Saltz, Ph.D.: Stony Brook University
- 4:10 QIN tools supporting RADCOMP, a Pragmatic Randomized Clinical Trial of Proton vs. Photon
Therapy for Patients with Non-Metastatic Breast Cancer
William Bennett, Ph.D.: University of Arkansas
- 4:30 ECOG-ACRIN Trial Data as a QIN Resource
Paul Kinahan, Ph.D.: University of Washington
- 4:50 Tool Catalog Review
Robert Nordstrom, Ph.D.
- 5:15 End First Day

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Friday: May 18, 2018

8:00 Administrative Announcements
Robert J. Nordstrom, Ph.D.

Session 5: Challenges and Collaborative Projects

Yantian Zhang, Ph.D.: Chair

8:10 Toolx Challenge & Benchmarking Tools + Poster
Keyvan Farahani, Ph.D.

8:40 A Practical Guide to Using TCIA for QIN CCPs
Justin Kirby
Leidos

Session 6: QIN and QIBA Interactions and Future

Lori Henderson, Ph.D.: Chair

9:00 QIBA Activities and Areas of Interaction with QIN
Ed Jackson, Ph.D.
University of Wisconsin and QIBA

9:20 Panel Discussion
QIN and QIBA members

9:50 Break: Poster Session
Self-Organized Working group break outs:
2E908 (BIDS)
2E914 (IAPM)
2W910(CTDD)
2W912 (MRI)
2W914 (PET/CT)

Session 7: Associate Member Presentations

Pushpa Tandon, Ph.D.: Chair

10:50 Winfried Brenner, MD. Ph.D.
Germany

11:10 Finbarr O'Sullivan, Ph.D.
Ireland

11:40 Lunch

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Session 8: Evaluation of Current Tools

Robert Nordstrom, Ph.D.: Chair

12:40 Tool List Discussion
Evaluation of Tool Readiness

1:40 Break: Poster Session
PET/CT Break Out (2nd Floor East Wing Rm # 908)

Session 9: Planning and Business Meeting

Robert Nordstrom, Ph.D.: Chair

2:40 NCI Strategies for QIN Future
Robert J. Nordstrom, Ph.D.
and Janet Eary, M.D.

3:10 Business Meeting
Announcement of new chairs
Schedule of Important meetings

3:45 Adjourn