

**Quantitative Imaging Network
Annual Meeting
May 21-22, 2019
[NCI Shady Grove Campus](#)
9609 Medical Center Drive, Rockville, MD 20892**

Tuesday May 21

7:45 Poster & Tools Demonstration set-up

9:00 Welcome

Janet Eary, MD, Associate Director DCTD, NCI

9:05 Challenges and Roadmap for QIN

Robert Nordstrom, PhD, QIN Director, NCI

Session 1: Clinical Utility of QIN Tools

Chair: Janet Eary, MD, NCI

9:10 Quantitative Imaging Endpoints in Clinical Trials

Daniel Sullivan, MD, Duke University

9:40 The QIN Perspective: Moving QI Tools and Methods into Clinical Trials and Clinical Practice

David Mankoff, MD, University of Pennsylvania
Chair, QIN Executive Committee

10:00 A. QIN Tools Demonstrations & Discussion (by invitation only)

Clinical Consulting Committee will observe the demonstration of selected QIN tools and discuss their readiness and pathway for clinical trials

Clinical Consulting Committee

Janet Dancey, MD, FRCPS Queen's University

Walter Curran MD, FACR Emory University

Daniel Sullivan, MD, Duke University

Michael Knopp MD, PhD Ohio State University

Larissa Korde, MD, Cancer Therapy Evaluation Program, NCI

Charles Kunos, MD PhD Cancer Therapy Evaluation Program, NCI

Anthony Shields, MD, PhD Wayne State University

Edward Jackson, PhD University of Wisconsin

Susan Chang, MD University of California at San Francisco

B. Working Group Breakouts

- PET/CT (2nd floor W914)
- MRI (2nd Floor W912)
- Bioinformatics and Data Sharing (BIDS) - (2nd floor W032/034)
- Clinical Trial Design and Development (2nd floor W910)

C. Poster Session (TE 110)

Session 2A: Clinical Consulting Committee Retreat

11:30 Clinical Consulting Committee Meeting (Executive Board Room, 2E914)
to discuss the transition of QIN tools into clinical trials. Later a summary report
will be presented to the assembled QIN members.

Session 2B: Review of Co-Clinical Trial Meeting from May 20

Chair: Huiming Zhang, Ph.D.

11:30 Co-clinical Imaging Research Resources Program
Huiming Zhang, PhD, NCI

11:42 Washington University Co-Clinical Imaging Research Resource
Koresh Shoghi, PhD, Washington University

11:54 The Duke Preclinical Research Resources for Quantitative Imaging Biomarkers
Cristian Badea, PhD, Duke University

12:06 Vanderbilt University "PREDICT"
Charles Manning, PhD, Vanderbilt University

12:18 Penn Quantitative MRI Resource for Pancreatic Cancer
Rong Zhou, PhD, University of Pennsylvania

12:30 Lunch

Session 3: Young Scientist Award

Chair: Robert Nordstrom, Ph.D., NCI

1:30 Larry Clarke Young Investigator Award:
Brain Imaging Collaboration Suite (BrICS)
Saumya Gurbani, Emory University

Session 4: Commercialization Pathways

Chair: Greg Evans, PhD, Small Business Innovation Research (SBIR)
Development Center, NCI

2:00 Federal Funding for Start-up Companies
Deepa Narayanan, M.S., SBIR Development Center, NCI

2:30 Small Business Panel Discussion

Session 5: QIBA – QIN Interactions

Chair: Robert Nordstrom, PhD

3:00 Quantitative Imaging Biomarker Alliance (QIBA) Areas of Interaction with QIN
Ed Jackson, PhD, University of Wisconsin and QIBA

3:30 Panel Discussion: QIN/QIBA
QIN/QIBA participants

4:00 Break

Session 6: Report from Clinical Evaluators

Chair: Gary Kelloff, MD

4:15 A presentation from the Clinical Consulting Committee on QIN tools translation

4:45 Closing Remarks
Robert Nordstrom, PhD

5:00 End Day One

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

Session 7: QIN – NCTN Tool Developer Discussion

Chair: Gary Kelloff, MD

8:15 Follow-up to the Clinical Consulting Committee session

Discussion and feedback on Clinical Consulting Committee presentation.

Strategy planning on next-steps for QIN tool translation.

Questions & comments will be distributed ahead

- Alliance: Larry Schwartz, MD, Columbia University
- ECOG-ACRIN: David Mankoff, MD, PhD, U Penn
- NRG: John Buatti, MD, University of Iowa
- IROC – Mike Knopp, MD, PhD, Ohio State University

9:30 Break & Posters

Session 8: Data Science, Pipelines & Radiomics

Chair: Keyvan Farahani, PhD, NCI

10:00 Radiomics Pipeline Demonstration & Discussion

Sandy Napel, PhD, Stanford University and Ashish Sharma, PhD, Emory University

11:00 PET-CT Feature Ontology Collaborative Project

TBA

11:20 MRI Radiomics CCP

Amita Dave, PhD, MSKCC

11:40 QIN Benchmarks, Challenges, and Collaborative Projects update

K. Farahani, PhD, NCI

12:00 Lunch

Session 9: Associate Member Presentation

Chair: Pushpa Tandon, PhD, NCI

1:00 Getting SI traceability of MRI-biomarker measurements

Stephen Russek, PhD NIST

1:15 Imaging Workflows and Normal Data for Standard Functional
Scintigraphic Imaging Procedures in Mice

Winfried Brenner and Nicola Beindorff

Dept of Nuclear Medicine and Berlin Experimental

Radionuclide Imaging Center

Universitaetsmedizin Berlin, Germany

Session 10: Working Group Reports

Chair: Robert Nordstrom, PhD

1:30 Brief Working Group presentations

- PET/CT
- MRI
- BIDS
- CTDD

Session 11: Planning and Business Meeting

Chair: Robert Nordstrom, PhD

2:30 NCI Strategies for QIN Future

Robert J. Nordstrom, PhD and Janet Eary, MD

Business Meeting

- Announcement of new WG Chairs
- Schedule of important meetings

3:00 Adjourn