

Quantitative Imaging Network
Virtual Annual Meeting
Meeting Date: January 22, 2021
[NCI Shady Grove Campus](#)
9609 Medical Center Drive, Rockville, MD 20892

10:30 Welcome
Janet Eary, MD, Associate Director DCTD, NCI

Transition from Development to Translation of QIN Tools

10:35 Clinical Trial Advisory Committee (CTAC) Report and Recommendations for the QIN
Robert Nordstrom, PhD, QIN Director, NCI

10:50 Illustration of translating a mature tool Kathleen Schmainda, Ph.D., Med College Wisc.

11:00 NCTN perspective on suggested guidelines on translating QIN tools into clinical trials
Larry Schwartz – Head of Radiology, Columbia Univ.

11:30 Highlighting present and potential future funding opportunities for QIN
Darrell B. Tata, Ph.D, Program Director, NCI

11:40 QIN member concerns
Open Discussion on QIN infra-structure transition between members of the Executive Committee

12:10 QIN Transition Questions & Answer Session with Bob Nordstrom

12:25 Break

Young Scientist Award

Chair: Robert Nordstrom, Ph.D., NCI

12:45 Larry Clarke Young Investigator Award: “Radiomics and AI-based treatment decision support for non-small cell lung cancer” by Wei Mu, PhD. Moffitt Cancer Center

Active roles of QIN associate members

Session Chairs: Pushpa Tandon, Ph.D. and George Redmond, M.S., MBA

1:05 Intro to QIN Involvement of Associate Members
Pushpa Tandon, PhD., NCI program director

1:10 QIN Associate Member presentation: "A scoping review of automatic brain lesion segmentation methods on standard MRI of the human head" by Emilia Gryska
University of Gothenberg
Gothenberg, Sweden

1:25 QIN Associate Member presentation:
Hampton University Proton Therapy Research, AI, and the QIN
Mr. Bill Thomas, VP of Hampton Univ., Dr. Alejandro Fernandez, Director of Physics
and Dosimetry, Hampton University Proton Therapy Institute Hampton, VA.,
Ananth Madabhushi, Ph.D, Case Western Reserve Univ.

1:45 Image analysis: “Multimodal fusion across scales”
Tanveer Syeda-Mahmood, Ph.D., IBM, San Jose, CA.

Intro to new QIN member’s research

Session Chair: Darrell Tata

2:00 MRI for Pediatric Optic Pathway Glioma Treatment Response
Robert Avery, PhD. Children’s Hospital of Philadelphia
Marius Linguraru, PhD, Washington Children National

2:20 Multi-parametric Perfusion MRI for Therapy Response Assessment in Brain Cancer
Chad Quarles, PhD., Barrow Neurological Institute, Phoenix, AZ.

2:40 Break

Evolving NCI available data resource

3:00 Taking advantage of the NCI Data Commons available resources – Overview
Andrey Fedorov, Ph.D, Brigham Women’s Hospital.

QIN Working groups

3:30 Brief Outline of working group roadmaps for translating tools:

- Clinical Trial Design and Development
- Bioinformatics and Data Sharing (BIDS)
- PET/CT
- MRI

4:45 Final Closing Remarks: Implementation of CTAC Recommendations / QIN future
structure organization
Robert J. Nordstrom, Ph.D.

4:50 Adjourn