

**Quantitative Imaging Network  
Emeritus Research Team Members and Associate Members  
December 2024**

**Emeritus Research Team Members**

**Quantitative Volume and Density Response Assessment: Sarcoma and HCC as a Model**

Lawrence H. Schwartz and Binsheng Zhao, Columbia University

**Multi-Modality Quantitative Imaging for Evaluation of Response to Cancer Therapy**

Michael A. Jacobs, Johns Hopkins University; Lilja Solnes, Washington University in Saint Louis

**Quantitative imaging tools to derive DW-MRI oncological biomarkers**

Amita Dave, Memorial Sloan Kettering Cancer Center; Lawrence H. Schwartz, Columbia University

**Quantitative Imaging for Assessing Breast Cancer Response to Treatment**

Nola Hylton, University of California at San Francisco

**Quantitative Non-Contrast Perfusion using Arterial Spin Labeling for Assessment of Cancer Therapy Response**

Ananth Madhuranthakam, Joseph Maldjian, and Ivan Pedrosa, University of Texas SW Medical Center

**Genotype and Imaging Phenotype Biomarkers in Lung Cancer**

Hugo Aerts, Dana-Farber Cancer Institute

**ECOG-ACRIN-Based QIN Resource for Advancing Quantitative Cancer Imaging in Clinical Trials**

Mitchell D. Schnall, University of Pennsylvania

**Qualification and Deployment of Imaging Biomarkers of Cancer Treatment Response**

Daniel Rubin, Stanford University

**Computing, Optimizing, and Evaluating Quantitative Cancer Imaging Biomarkers**

Sandy Napel, Stanford University

**Quantitative Image Analysis for Assessing Response to Breast Cancer Therapy**

Maryellen Giger, University of Chicago

**Quantitative Imaging to Assess Response in Cancer Therapy Trials**

John M. Buatti, University of Iowa

**Advancing Quantification of Diffusion MRI for Oncologic Imaging**

Brian Ross, University of Michigan

**Quantitative MRI Models of Head & Neck Cancers for Physiological Adaption of RT**

Yue Cao, University of Michigan

**Advanced PET/CT Imaging for Improving Clinical Trials**

Paul Kinahan, University of Washington

**Quantitative MRI of prostate cancer as a biomarker and guide for treatment**

Fiona Fennessy, Brigham & Women's Hospital

**Quantitative Magnetic Resonance Spectroscopic Imaging to Predict Early Response to SAHA Therapy in GBM Management**

Hyunsuk Shim, Emory University

**Objective Decision Support Environment for Clinical Trials**

Bradley Erickson, Mayo Clinic

**Quantitative MRI of Glioblastoma Response**

Jayashree Kalpathy-Cramer, Massachusetts General Hospital

**Evaluation of HCC Response to Systemic Therapy with Quantitative MRI**

Bachir Taouli, Mount Sinai

**Resources for Development and Validation of Radiomic Analysis & Adaptive Therapy**

Fred Prior, University of Arkansas Medical Sciences

**Integrating Quantitative Imaging Methods and Genomic Biomarkers to Assess the Therapeutic Response to Cancers**

Francois Benard, University of British Columbia

**Quantitative CT Imaging for Response Assessment When Using Dose Reduction Methods**

Michael McNitt-Gray, University of California, Los Angeles

**Image-based Quantitative Assessment of tumor Hypoxia**

David Jaffray, University Health Network

**Quantitative Biomarker Imaging for Early Therapy Response Assessment in Cancer**

James Mountz, University of Pittsburgh

**Quantitative MRI for Predicting Response of Breast Cancer to Neoadjuvant Therapy**

Richard Abramson, Vanderbilt University

## **Associate Members**

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