



Stony Brook University

Department of Biomedical Informatics

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**Gordon J. Harris, PhD**

Professor, Radiology, Harvard Medical School  
Director, 3D Imaging Service, Massachusetts General Hospital

**Precision Imaging Metrics: The Cancer Center Informatics  
Platform for Clinical Trials Imaging Assessments**

**Tuesday, June 7th, 2016 2:00-3:00pm**

**Harold Atkins Learning Center / Health Sciences Center / L-4 / Room 135**

**Summary:**

The Dana-Farber/Harvard Cancer Center (DF/HCC) Tumor Imaging Metrics Core (TIMC) was established in 2004 to address oncology clinical trials workflow and response assessment needs. Prior to TIMC, oncologists were struggling to get reliable, timely, protocol-compliant image assessments for patients on therapeutic clinical trials. TIMC reduced these pain points and increased the quality and efficiency of clinical trial imaging assessments by developing and implementing a web-based informatics infrastructure that streamlines imaging requests, protocol-compliant quantitative assessment, reporting, and billing for clinical trials image assessments. The Precision Imaging Metrics (PIM) system has been in use by DF/HCC TIMC since 2005 and has been adopted by four other cancer centers since 2013, including Yale, Fred Hutch/UW/SCCA, Huntsman Cancer Institute at the University of Utah, and the Massey Cancer Center at VCU.

**Dr. Gordon J. Harris** is the co-Director of the DF/HCC Tumor Imaging Metrics Core (TIMC), and Director of the MGH 3D Imaging Service. He is involved in imaging research, focusing on image analysis and visualization techniques, and application of these methods in both research and clinical services. He has developed methods for semi-automated quantitative measurement of tumor volumes, and these methods have been licensed and FDA-approved for clinical use. He and his team have created the Precision Imaging Metrics software system manage the workflow, imaging assessments, reporting, auditing, and billing for imaging trials and to provide a centralized quantitative image analysis service for the DF/HCC community. They have licensed this system for use at several other Cancer Centers.

***Questions? Please call the Biomedical Informatics Department at 631-638-2950.***