



### Application for QIBA Round-2 Project Funding

Title of Proposal: <b>Test-Retest Evaluation of Repeatability of DCE-MRI and DWI in Human Subjects</b>		
QIBA Committee/Subgroup: DCE-MRI		
NIBIB Task Number(s) which this project addresses: 1a and 1b		
<b>Project Coordinator or Lead Investigator Information:</b>		
Last Name: ROSEN	First Name: Mark	Degree(s): MD, PhD
e-mail:	Tel #:	
Institution/Company: University of Pennsylvania		
Amount Requested:		

### Project Description

In order to evaluate the profile claims for the repeatability of tumor DCE-MRI metrics, it is ultimately necessary to evaluate the performance of the QIBA DCE-MRI protocol in human subjects with tumors. This process would include not only implementing the imaging protocol, but also introducing site imaging personnel to proper procedures for magnet qualification, the selection of tumor-bearing human subjects, and the implementation of the proper DCE-MRI imaging exam to these subjects. Through discussions within the DCE-MRI subcommittee, it has been decided to seek a partnership with the American College of Radiology Imaging Network (ACRIN) to facilitate the development and ultimately the implementation of the test-retest DCE-MRI human study. The overall project, including the completion of the protocol, selection of participating sites, central and site regulatory approval, and implementation is expected to last two years.