

Site	Contact	# of Imaging Cores Associated with CTSA	Services provided by imaging cores	Imaging specific aims written into CTSA application	Does CTSA grant provide \$\$ to imaging core?	Amount of support of imaging core by CTSA	Administrative structure for imaging core	Do users of your services have to pay	Do you have a website	Future plans, goals, or priorities for CTSA associated imaging program	Pilot Project Funding
Ohio State	Dr. Michael Knopp, MD	The imaging effort within the CTSA grant is scheduled to fully start in Year 3, however, we have multiple services that already function in a core lab way.	Protocol review, trial management, trial assessment, microimaging service, small animal imaging core, imaging agent core service (in development), protocol development, budget planning, performance of imaging (all modalities), data management, data analytics, blinded assessment, grant and publication support, compliance - IRB and animal use protocol management and review	Development of a clinical imaging core in Years 3-5 that consolidates the different clinical research support services established at OSUMC via PI-initiated grants. Linkage to caBIG and other bioinformatics development and support activities.	Not yet	Not applicable	Wright Center of Innovation in Biomedical Imaging has dedicated administrative lead (Knopp). All services have scientific leads that are supported by research and technical staff.	Charges for utilization of imaging services, analytics and protocol setup. Some start-up projects are funded out of WCI-BMI operations. User fees overall are utilization dependent – higher charges in off hours.	Radiology.osu.edu	A trans-institutional environment to guide protocol development Efficient utilization of imaging services and centralized data repository and data management Technical staff driven imaging services Fully SOP-driven environment	
University of Colorado at Denver	Dr. Ann Scherzinger, PhD	CCTSI Pillar Program #5 - Translational Technologies- includes the Imaging Components - Small Animal Imaging and Microscopy	Protocol Review - Image Review - Image quality, protocol compliance and Research reads:: Image Analysis - Human and Animal: RECIST, Volumetrics, Lesion characterization, Clinical trials, MRS, fMRI:: Data Transmission	Specific Aim 1: Identification of research questions requiring novel methodology development.; Specific Aim 2: Analyzing the need in greater depth and determine what resources are required.; Specific Aim 3: Transformation from a need to a functioning novel methodology.	Some start-up funds	1. Protocol review consolidation between affiliates; 2. Research workflow standardization; 3. Animal and human imaging analysis	In transition: Department Chair; Administrator/Radiology Grants Manager;	Protocol Review Fee Imaging Fees - 1. Technical depends on site, 2. Professional - grant or research review fees, 3. Analysis depends on complexity Data transmission	BIRL: http://www.uchsc.edu/ucbrl/ and CTSI: http://ctsa1.uchsc.edu/RESOURCES/NETT/Pages/default.aspx	Protocol Review using MS Sharepoint Services Publication of SOPs and fees Efficient protocol review between affiliates Integration of Informatics into the Imaging Core Enhancement of image handling abilities	Pilot and Collaborative Translational and Clinical Studies - Specific Aim 1: Develop a broad-based grants system, impacting all levels of CCTSI participants - Pilot award funding target area is bioengineering. - Currently 1 MRI, 2MRS awards
University of North Carolina, Chapel Hill	Dr. Weili Lin, PhD	Three imaging Cores at UNC - Chapel Hill: 1. Human Imaging Core 2. Animal Imaging Core 3. Image and statistical analysis core None of these cores are specifically affiliated with the CTSA, but do provide imaging services to all investigators	Human Imaging Core Protocol development/implementation Image acquisition and archiving Subject training Nursing support Safety training Animal Imaging Core Protocol development/implementation Image acquisition and archiving Animal preparation/monitoring IACUC approval Data analysis MR: Sequence programming; Parameter optimization PET: Synthesis of imaging probes; Data analysis Optical Imaging: Training Image and Statistical Analysis Image analysis: Segmentation; Co-registration; Visualization Statistical analysis: Experimental design; Power calculation; General statistical analysis	N/A	N/A	N/A	The three imaging cores are administered within the Biomedical Research Imaging Center, which is an institutional center focusing on all aspects of imaging. Each core has a core leader	Yes	www.med.unc.edu/bric	Expanding imaging capability: Equipment; Technical Expertise Cyclotron facility Animal housing issues	
Duke University	Dr. Daniel Sullivan, MD	Yes - Formal		Yes - limited	Yes	Supports Duke Image Analysis Lab; Also supports and imaging Project Leader					
Emory University	Dr. Carolyn Meltzer	Yes - Informal		Yes - significant	Yes	Educational support programs and support for seed grants					
Johns Hopkins University	Dr. Katarzyna Macura	Yes - Formal		Yes - limited	Yes	100K allocation from the main grant for support of the Core's Office					
Mayo Clinic College of Medicine	Dr. Bradley Erickson	Yes - Informal		Yes - significant	Yes	It supports some administrative time and selected development projects. We are developing imaging management services					
Northwestern University	Dr. David Channin	Yes - Informal		Yes - limited	Yes	N/A					
The University of Alabama at Birmingham	Dr. RF Munden	Yes - Informal		NO	No	N/A					
University of California, Davis	Dr. John Boone	Yes - ?		Yes - limited	No	N/A					
University of Michigan	Dr. Ruth Carlos	Yes - Informal		Yes - limited	No	N/A					
University of Pennsylvania	Dr. Mitchell Schnell	Yes - Formal		Yes - significant	Yes	Dollars to support personnel involved in collaborative support for imaging trials; Pilot project dollars					
University of Rochester	Dr. Gary	Yes - Informal		Yes - limited	No	N/A					
University of Texas Health Science Center at San Antonio		Yes - Formal		Yes - significant	Yes	Core faculty support and pilot study support. The Imaging Core was first developed about 5 years ago under the GCRC, as a supplement. This program has been very successful and was transferred to the CTSA with little change.					
University of Washington	Dr. Satoshi Minoshima/ Dr. Paul Kinahan	Yes - Formal		Yes - limited		N/A					
Vanderbilt University	Dr. Thomas Yankeelov	Yes - Informal		Yes - limited	Yes	Our CTSA provides seed funds for investigators to do imaging projects					
Washington University, St. Louis	Dr. John Kotyk	Yes	Protocol development & review Help with IRB submissions Budgetary planning Imaging services (MR, CT, PET, PET/CT and US) Project coordination and nursing services IT image analysis software development support Data management, analysis and processing services	YES-To provide clinical and translational ICS investigators with access to trained imaging research specialists to: a) consult in a variety of areas of interest, b) choose and design suitable imaging protocols, c) provide regulatory and safety information related to imaging procedures and compounds, and d) review protocols prior to implementation, and during data acquisition to ensure data is collected appropriately. To assist investigators in scheduling and coordinating imaging studies across the many different imaging resources at WU. The CCIR, a new research-dedicated imaging facility located inside the Barnes-Jewish Hospital, will serve as the hub for the ICS-IC activities. The ICS-IC will schedule and coordinate all other WU Medical Center (WUMC) clinical imaging resources as well, including existing dedicated research facilities, the WU Cyclotron Facility, the MR Research Facility, the NNICU positron emission tomography (PET) Suite, and multiple clinical imaging departments (Barnes-Jewish Hospital, the Center for Advanced Medicine, and St. Louis Children's Hospital). To assist clinical and translational ICS investigators in image acquisition, archiving, processing and analysis. This service will provide: a) access to central image data management tools; b) training for the use of automated and semi-automated processing routines for PET, computed tomography (CT), PET/CT, magnetic resonance imaging (MRI) and ultrasound; and c) implementation, customization and propagation of new processing and analysis techniques.	Yes. Salary support.	CTSA pays a small percent of the staff's salaries of the Human Imaging Unit.	Human Imaging Unit Co-Directors; lead coordinator; lead imaging technologists (for each modality); admin support from main ICTS staff	Charges for services provided in the imaging facility.	http://www.icts.wustl.edu/co-res/hiv.aspx	Improve infrastructural and workflow efficiencies. Implement advanced imaging protocols and technologies. Expand imaging analysis and processing services.	Supports pilot funding program
Boston University	Dr. Carl Jaffe			NO	No	N/A					
Scripps Clinic and The Scripps Research Institute	Dr. Eric Topol	Yes - Formal		Yes - significant	No	N/A					
Stanford University	Dr. Timothy Doyle	No		Yes - limited		N/A					
University of Iowa		No		Yes - limited		N/A					
University of California, San Francisco		No		Yes - significant		N/A					
University of Wisconsin, Madison	Dr. Frank Korosec	Image response assessment team (IRAT) associated with the UW Comprehensive Cancer Center Institute for Clinical and Translational Research (ICTR) Imaging Core Facility modeled after the IRAT using the same radiology "shared services" infrastructure	Assistance in protocol design and modality selection Assistance in identifying image endpoints and proposed image analysis Discounted rates for ICTR members Image analysis on fee for service basis.	Yes, establishment of the imaging core facilities was part of the research design	The CTSA award provides modest salary support for PI's and service personnel	The CTSA award provides NO support for infrastructure, supplies or equipment	There are overall directors of the imaging core (Dr. Frank Korosec) and IRAT (Dr. Robert Jeraj) Image analysis core facility serves both IRAT and CTSA (Directed by Dr. Sean Fain) Shared Services Committee is made up of a panel of experts with backgrounds in medical physics, oncology, and radiology and serves as an overall advisory board	No, they obtain discounted access to services. The image analysis core facility is a fee for service facility	http://ict.wisc.edu/node/208	We have been building the infrastructure and advertising our services Future work will be to develop several research projects in concert with the UW CCC to further develop and refine the advisory, image acquisition and analysis roles of the Center	
Johns Hopkins University	Dr. Katarzyna Macura	Yes - Office for Imaging Support in Translational Research OISTeR	Imaging Expert Consultation for project design and implementation Development of Imaging Protocols – modality specific Facilitating access to imaging resources Assistance with protocol preparation for IRB Facilitating Inter-Departmental and Outside Collaborations	Specific Aims: 1. Provide a framework for identification and assessment of radiological imaging needs for translational research programs. 2. To assist investigators in the use of the latest radiological imaging technologies and develop tools for imaging data sharing and re-use. 3. To provide an opportunity for radiology trainees and junior faculty to engage in translational research with imaging components and to train in the science of clinical investigation.	Yes	\$130K allocation from the main grant for support of the Core's Office	Imaging Core leader – OISTeR Director, Consultative Service for Imaging Protocol Development "Rapid Response Team" (6 members), Administrative Assistant	Consultations for protocol design provided free of charge to Hopkins investigators. Services for the management of research imaging data through the Johns Hopkins Medical Image Research Archive Center (JHMIAC) are offered with a fee schedule outlined at JHMIAC http://www.hopkinsradiology.org/OISTeR/JHMIAC	http://www.hopkinsradiology.org/OISTeR/index.html	1. To develop algorithms, metrics for quantification and image analysis for translational research, to include comprehensive phenotyping for biomarker development (discovery and validation) and therapeutic evaluation in collaboration with the Proteomics and Drug Development Cores. 2. To design, implement, and validate novel imaging methodologies and techniques to enable and support translational research: diagnostic probes, therapy monitoring probes, engineering and device development for patient modeling, robotics and simulation.	