The Departments of Radiology and Medical Physics at the University of Wisconsin provide an abundance of resources for performing research using diagnostic medical imaging equipment. The resources include a great variety of imaging modalities and ancillary equipment, support staff, and researchers with clinical and technical expertise. Research time is available on Computed Tomography (CT), Magnetic Resonance Imaging (MRI), Positron Emission Tomography (PET), Ultrasound, X-ray, PET/CT, and Biomagnetism equipment.

In addition to the resources listed above, in November, diagnostic imaging resources will become available in the Wisconsin Institutes of Medical Research (WIMR). WIMR will house a state-of-the-art 64 slice CT scanner, a four-flat-panel CT scanner, next-generation 1.5T and 3T MRI scanners, two x-ray angio units, a biomagnetism system, multiple ultrasound machines, and a PET/CT scanner. In addition, a 4.7T small bore MRI scanner, a microCT scanner, and a microPET/microCT scanner will be available for imaging small animals. A cyclotron and chemistry lab will be available for production of radiopharmaceuticals. Adjacent to the 1.5T and 3T MRI scanners will be a He-3 polarizer and adjacent to the 4.7T small bore MRI scanner will be a C-13 polarizer.

Scanner time is currently available for campus users on all of the imaging systems that are located in the hospital, and soon will be available for the imaging systems that will be located in WIMR. The availability and rates will be accessible shortly via a WIMR web site (currently under construction). Discounted rates on the diagnostic imaging systems will be available for first time users who are members of the University of Wisconsin Institute for Clinical and Translational Research (UW ICTR). The discounted rates will be applicable to up to 50 hours of scanner time per new project.

A committee of imaging experts has been formed to assist researchers in determining which imaging modality (or modalities) will best help them achieve their research goals. The team of experts is composed of clinical and basic scientists, including Frank Korosec, Ph.D., Sean Fain, Ph.D., Thomas Grist, M.D., Jim Zagzebski, Ph.D., Scott Perlman, M.D., Robert Jeraj Ph.D., Fred Kelcz, M.D., Ph.D., Chris Francois, M.D., Mark Kliewer, M.D., Aaron Field, M.D., and Karl Vigen, Ph.D.

Please see the following web site for a description of the MRI scanners available and a partial list of ongoing research studies being conducted on these systems: www.radiology.wisc.edu/research/MRI.

Additional web pages featuring the other diagnostic imaging modalities will be available shortly and will be accessible via the ICTR web site.