Postdoctoral and Research Scientist Positions
for PSD, Recon, and MR technology development

University of Wisconsin Radiology
Madison, Wisconsin, USA

The MR Technology and Use Design (MRTUD) group at UW Radiology has openings for Research Associates (Postdocs) and Research Scientists to work in a collaborative environment under the direction of Jim Pipe. The successful candidates will develop technologies - primarily pulse sequences and reconstruction algorithms - for rapid MRI scans, and have opportunities to work on novel designs for the use and operation of the scanner. The MRTUD group as a whole will enable efficient, patient-focused and robust clinical imaging through design of new pulse sequence and reconstruction methods, new user interfaces and processes for protocoting, and innovative, value-driven use cases for patient diagnosis. We are specifically looking for people with skill and passion in:

- Advanced pulse sequence development and/or reconstruction, including experience with Non-Cartesian (e.g. spiral) methods. Experience with GE EPIC helpful but not necessary.
- Gradient System characterization and correction, B0 measurement and off-resonance correction, B1+ and B1- measurement, etc.
- Clinical scanning research, imaging method comparison studies, strong knowledge of clinical applications, the ability to interface closely with technologists and Radiologists.

**Research Associate (Postdoc)** candidates must have a PhD in Engineering, Medical Physics, or equivalent degree, with some experience in MRI (pulse sequence and reconstruction) development. Details can be found at https://hr.wisc.edu/postdoc-and-research-intern-vacancies/ (search for the position with Jim Pipe posted 4/24).

**Research Scientist** candidates must have a PhD in Engineering, Medical Physics, or equivalent degree, with substantial post-degree experience in MRI (pulse sequence and reconstruction) development. Details can be found at https://jobs.wisc.edu/jobs/research-scientist-madison-wisconsin-united-states-64a15da5-8d87-4d0a-8182-48b49a68f9a0.

**Environment:** There are 19 clinical GE MRI systems in the UW-Radiology system, with more coming. Two scanners are dedicated 100% to research, with dedicated research time on three other scanners. We are part of a large, active, collaborative MRI research community. Madison, a vibrant college town that is also the capital city of Wisconsin, is located between two large lakes, and has a lot of great things to see and do.

**For more information** please contact Jim Pipe at jpipe@wisc.edu.