Clinical MRI Physicist – Assistant, Associate, or Professor (CHS Track) – PVL 257562

The Department of Radiology is seeking a Magnetic Resonance Imaging (MRI) Physicist to join the Department of Radiology as CHS Track Faculty.

Job Summary:
The Magnetic Resonance Imaging (MRI) physicist will join other MRI physicists in the Department and will have clinical service and research responsibilities as described further below.

50% Clinical MRI Physics Responsibilities

1. Monitor and provide technical support for MR imaging of patients that require physics monitoring including and ensuring that novel and off-label MR imaging methods are performed according to institutional policies and guidelines.

2. Assist in establishing institutional policies and guidelines regarding the safe and effective use of MR imaging equipment.

3. Assist in customizing MR imaging hardware and/or software (including off-label use), while ensuring conformity with regulatory constraints and institutional policies and guidelines.

4. Trouble-shoot clinical issues on the MR imaging equipment such as identifying and ameliorating image artifacts and other problems affecting clinical image quality and coordinate with MR imaging equipment vendors to ensure that the MR imaging equipment is properly and routinely serviced/maintained.

5. Contribute technical input to inform decisions regarding purchasing new MR imaging equipment, perform required acceptance testing of new MR imaging equipment, and conduct ongoing Quality Assurance / Quality Control (QA/QC) of existing MR imaging equipment, including activities required for maintaining accreditation. Direct clinical and research staff in the performance of routine QA/QC procedures.

6. Assist in developing clinical and research MR imaging protocols.

7. Address other issues, as directed by the Director of Clinical MR Physics or the Chief of the Imaging Sciences Section.

40% Research MRI Physics Responsibilities

1. Serve as an institutional subject matter expert regarding specialized principles of MRI.

2. Support the research activities of other MRI investigators throughout the department.

3. Develop and maintain tools and infrastructure to facilitate departmental and core MRI research initiatives.

4. Write, or assist in writing, grant applications to secure funding to support independent MRI research projects.
5. Conduct innovative MRI research in collaboration with other UW faculty and scientists in the Department of Radiology, investigators in departments and schools across campus, and industrial partners.

6. Attend scientific conferences and meetings to present scientific research results, moderate sessions, and participate on committees and in working groups.

7. Write and submit manuscripts to professional journals describing results of research projects.

8. Mentor and conduct research with graduate students, post-docs, and scientists.

10% Teaching

1. Educate and train clinical and research faculty, staff, and trainees the basic physical and technical principles of MRI, including participating in educating the clinical faculty, fellows, residents, technologists, nurses, and other staff.

2. Provide educational MRI lectures at international meetings and other venues external to UW.

The UW Department of Radiology encourages, values, and supports innovation and translation of our discoveries into clinical practice. We attract scholars and students from around the world. Madison is the state's capital city with a population of over 254,000, and offers an ideal combination of natural beauty, stimulating cultural events, outstanding schools, and so much more.

Standard Summary:
Specifies members of the instructional academic staff engaged in clinical activities. These titles are designed for persons involved, for at least 50 percent of the time, in the direct provision of patient care in hospitals, clinics, pharmacies and associated with teaching clinical practices. While the appointee may be involved in some research, the time allocation will reflect heavy teaching and clinical demands. A CHS appointee generally will have the M.D., Ph.D., or other terminal degree. CHS series appointments must be made in strict accordance with the procedures specified for appointments in Center for Health Sciences divisions. Modified professorial functions have four prefixes or levels: Instructor, Assistant Professor, Associate Professor and Professor. The specific definition of each level for professorial academic staff titles is left to the purview of each unit in which the title is employed. However, differences between successively higher title levels must reflect demonstrable differences in experience and knowledge gained, applied to the specific duties of the function.

Qualifications:
MRI certification by the American Board of Medical Physics, or similar medical physics certifying body is encouraged.

In addition, excellent communication skills are required for interacting with a variety of MRI users including technologists, radiologists, residents, fellows, and researchers.

Education:
PhD or other terminal degree, or a degree at least one level above the level of instruction, or otherwise approved as qualified by the Dean
Ph.D. in Physics, Medical Physics, Biomedical Engineering, or a closely related field

Additional Information:
SMPH is committed to being a diverse, equitable, inclusive, and anti-racist workplace and is an Equal Employment Opportunity, Affirmative Action employer. Applications from Black, Indigenous and People of Color (BIPOC) individuals, LGBTQ+ and non-binary identities, women, persons with disabilities, military service members and veterans are strongly encouraged.

The UW Department of Radiology provides excellence in patient care in an environment that is respectful of others, adaptive to change, accountable for outcomes, and attentive to the needs of underserved populations. We are dedicated to sharing our clinical expertise through regional outreach to the people of Wisconsin and their healthcare providers. We provide an environment for education of our trainees, staff, and healthcare professionals through scholarly conferences and continuing education programs. We improve human health by developing innovative imaging technology through basic and translational research in collaboration with colleagues at UW-Madison and beyond. We support the Wisconsin Idea to improve people's lives beyond our walls by collaborating with industry to translate new technology into daily clinical practice. We support the economic development of Wisconsin and the financial wellbeing of UW Health. We recruit and develop dedicated faculty and healthcare professionals who inspire their co-workers and students to pursue lifelong learning, research discovery, service to their community, and clinical excellence.

The department will not be able to support a request for a J-1 waiver. If you chose to pursue a waiver and apply for our position, neither the UW nor UWMF will reimburse you for your legal or waiver fees.

The Community: Located on an isthmus between two lakes, Madison is the capital city of the state of Wisconsin. Madison has been voted the #1 Best Place to Live (Livability, 2021), #1 City for Most Successful Women Per Capita (Forbes, 2019), #1 City for Best Work-Life Balance (SmartAsset, 2020), #7 Best City for STEM Professionals (CEO World, 2020), #2 Best State to Practice Medicine (WalletHub, 2020), #2 Best City for Biking (People for Bikes, 2020), #4 Fittest City in the U.S. (ACSM American Fitness Index, 2020), #4 Greenest City in the US (Zippia, 2020), #1 Best Place to Retire (Money, 2020), #1 Best Place in the U.S. for Raising Children (DiversityDataKids.com 2020), and #1 Best College Football Town in America (Sports Illustrated, 2019).

Madison's technology economy is growing rapidly, and the region is home to the headquarters of Epic Systems, Exact Sciences, American Girl (Mattel), Sub-Zero, and Lands' End, as well as many biotech, healthcare IT, and health systems startups.

Madison is the second largest city in the state, with a city population of approximately 260,000 and regional population of over 1 million. The city is within easy driving range of Chicago and Milwaukee. Madison is home to one of the strongest local food scenes in the country. From April to October, the Capitol Square hosts the largest producer-only farmers market in country. The city is rich with cultural offerings in the arts.

The city has a dedicated athletics fan base which largely centers around the University of Wisconsin-Madison. Madison is home to Forward Madison FC, the first professional soccer team in the city, as well as the Madison Mallards, a college wood bat summer baseball league team. Marquee endurance sports
and specialty sporting events include Ironman, Reebok CrossFit Games, Madison Marathon, and many national and international championship competitions.

**How to Apply:**
To ensure full consideration, please apply by June 1, 2022. The position will remain open, and applicants may be considered until the position is filled. Applications must be received through our online UW application system. Applications submitted outside of this system will not be considered.

Interested candidates are required to use the online UW Job Application system to submit the following:
- Current Curriculum Vitae (CV)
- A cover letter describing 1) your interest in this position, 2) what you would bring to the Department of Radiology, 3) how the Department could contribute to your career, and 4) how you would contribute to the Department’s mission to foster an inclusive, equitable, and diverse workplace.
- List of contact information for three (3) references, including your current/most recent supervisor. References will not be contacted without prior notice.