



Business Title: **Clinical MRI Physicist - Assistant, Associate or Full Professor (CHS Track)**

Official title: Professor (CHS)(IC014) or Associate Professor (CHS)(IC015) or Assistant Professor (CHS)(IC016)

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.

Job Summary:

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

Responsibilities:

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.

80% 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.

20% Research and Teaching 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.



9. 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.
10. Provide educational MRI lectures at international meetings and other venues external to UW.

Standard Summary: IC014 Professor (CHS)

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.

Education:

Required  
PhD

Ph.D. in Physics, Medical Physics, Biomedical Engineering, or a closely related field

License/Certification:

Additional Information:

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 peoples 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 health professionals who inspire their co-workers and students towards lifelong learning, research discovery, service to their community and clinical excellence.

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.

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 and 2022), #1 Best State Capital to Live In (SmartAsset, 2021), #1 City for Best Work-Life Balance (SmartAsset, 2020), #1 Best Place to Retire (Money, 2020), #1 Best Place in the U.S. for Raising Children (DiversityDataKids.com 2020), #1 Best College Football Town in America (Sports Illustrated, 2019), and #1 City for Most Successful Women Per Capita (Forbes, 2019), #2 Best State to Practice Medicine (WalletHub, 2020), #2 Happiest Cities (Mens Health, 2020, #2 Best City for Biking (People for Bikes, 2020), #2 Most Caring Cities (WalletHub, 2019), and #2 Most Walkable Cities (Expedia, 2018)), #3 Best Places to Live for Quality of Life (Milwaukee Journal Sentinel 2024) and #3 Best College Towns (Best College Reviews, 2022), #4 Fittest City in the U.S. (ACSM American Fitness Index, 2020), #4 Greenest City in the US (Zippia, 2020), #7 Best City for STEM Professionals (CEO World, 2020) and #11 Most Beautiful Cities (Forbes, 2022) and #113 Americas Best Large Employer



(Forbes, 2024)

Madison's technology economy is growing rapidly, and the region is home to the headquarters of Epic Systems, Exact Sciences, Sub-Zero, and Lands End, as well as many biotech, healthcare IT, and health systems startups. In the Fall of 2023, Wisconsin was designated as a Tech Hub by the Economic Development Administration (EDA), which resulted in a grant award of up to \$75 million to help accelerate growth of the states biohealth industry. Phase 2 of the Wisconsin Biotech hub was announced in July 2024, resulting in \$49 million in additional funding to help drive transformative medical innovation, workforce development and critical job growth across Wisconsin. One of the three technology projects of this proposal is the Wisconsin Health Data Hub, led by researchers from the University of Wisconsin, School of Medicine and Public Health.

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 the country. The city is rich with cultural offerings in the arts.

**How to Apply:**

To ensure full consideration, please apply by August 18, 2024. The position will remain open, and applications may be considered until this position is filled. Applications must be received through the UW Jobs Application system. Applications submitted outside of this system will not be considered.

Interested applicants are required to use the UW Jobs Application system to submit the following:

- Curriculum Vitae (CV)
- A cover letter describing 1) interest in this position, 2) what would you bring to the Department of Radiology and 3) how the Department of Radiology could contribute to your career.
- References. Please provide the contact information for three (3) professional references, including your current or most recent supervisor. References will not be contacted without prior notice.

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

To ensure consideration, application must be received by: August 18, 2024

It is anticipated this position requires work be performed in-person, onsite, at a designated campus work location.

A period of evaluation will be required

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The University of Wisconsin is an Equal Opportunity and Affirmative Action Employer. We promote excellence through diversity and encourage all qualified individuals to apply.

If you need to request an accommodation because of a disability, you can find information about how to make a request at the following website: <https://employeeedisabilities.wisc.edu/disability-accommodation-information-for-applicants/>

Employment will require a criminal background check. It will also require you and your references to answer questions regarding sexual violence and sexual harassment.

The University of Wisconsin System will not reveal the identities of applicants who request confidentiality in writing, except that the identity of the successful candidate will be released. See Wis. Stat. sec. 19.36(7).

The Annual Security and Fire Safety Report (<https://jobs.wisc.edu/asr>) contains current campus safety and disciplinary policies, crime statistics for the previous 3 calendar years, and on-campus student housing fire safety policies and fire statistics for the previous 3 calendar years. UW-Madison will provide a paper copy upon request; please contact the University of Wisconsin Police Department.



Job Group: Instructional Category

Job Subgroup: Instructional Category

FLSA Status: Exempt

Employee class: Academic Staff

Department(s): A539300 / SMPH/RADIOLOGY

Full time salary rate: Negotiable ANNUAL (12 months)

Term: This is a renewable appointment.

Appointment percent: 50% - 100%

Anticipated begin date: January 1, 2025

Number of positions: 1

Department Contact:

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For more information, please visit:  
University of Wisconsin-Madison: <http://www.wisc.edu>  
Office of Human Resources: <http://www.hr.wisc.edu>  
Jobs at UW: <http://jobs.wisc.edu>