

Associate Professor in Medical Physics and Imaging Sciences
School of Health Sciences, Purdue University

Description

The School of Health Sciences in the College of Health and Human Sciences seeks a diverse pool of applicants for a tenure-track or tenured faculty position at the Associate Professor level. Purdue University seeks to attract exceptional candidates with interest and expertise in human Magnetic Resonance Imaging (MRI). The successful candidate will lead an independent and funded research program in the area of MRI physics and its application to studies on human health using advanced MR imaging complementing or adding to the current MRI expertise on Purdue campus. Evidence of prior funding or awards is expected. The successful candidate will also be expected to participate in collaborative research campus-wide, providing advanced MR imaging methodology to study how environmental, recreational, occupational, or behavioral exposures may influence or cause disability or disease.

The Imaging Sciences program, as well as the CAMPEP-accredited Medical Physics program at Purdue University offer M.Sc. and Ph.D. degrees and B.Sc. in pre-MP, and a highly diverse and collaborative research environment. Faculty will have access to a wide variety of research facilities, including the Purdue MRI facility (see below). Extensive possibilities for collaborative research exist within the School of Health Sciences, the College of Health and Human Sciences, Purdue University and its centers (e.g. with Biomedical Engineering, Center for Cancer Research, Purdue Institute for Integrative Neuroscience), as well as clinical departments at Indiana University School of Medicine in Indianapolis.

Qualifications

Successful candidates must have a Ph.D. in medical physics, physics, biomedical engineering, or a related science field, and be current faculty at or close to the Associate Professor level. Successful candidates must be eligible for tenure and demonstrate a capacity to develop and maintain an extramurally funded research program with a focus on advancing MRI methodology and its translation, as well as potential to educate and mentor students. Expertise in MRI physics is required. The successful candidate will conduct original research using the Siemens Scanner at Purdue, advise graduate students, teach undergraduate and graduate level courses, perform service at the School, College and University levels, and demonstrate a commitment to diversity and underrepresented or minority groups. The position is competitive with regard to salary, start-up funds, and laboratory space.

Application Process: A cover letter, curriculum vitae, a statement of current and future research interests (maximum 3 pages), a teaching philosophy statement (maximum 1 page), a diversity and inclusion statement (see below) and contact information for three references should be submitted as a single PDF through Success Factors:

<https://performancemanager8.successfactors.com/sf/jobreq?jobId=18262&company=purdueuniv>

Purdue University's School of Health Sciences is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address at least one of these areas in a separate Diversity and Inclusion Statement, indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity, equity and inclusion.

Priority deadline for review of applications will begin March 14th, 2022 and continue until the position is filled. For more information, contact Dr. Ulrike Dydak (udydak@purdue.edu). A background check is required for employment in this position. The position is expected to begin in August, 2022 but later start dates are possible.

The School and College

The School of Health Sciences is home to over 700 undergraduate students and approximately 50 graduate students and has internationally recognized research and educational programs in Medical Physics, Health Physics, Imaging Sciences, Occupational and Environmental Health Sciences, and Toxicology. The School is an integral part of the College of Health and Human Sciences, which aims to bring together scholars in the human sciences and health sciences to strategically address issues vital to enhancing quality of life.

Purdue University is one of the nation's leading land grant universities with a full range of academic majors, over 45,000 students, more than 10,000 employees, and ranked among the leading research institutions in the country. Purdue is located in West Lafayette, Indiana within easy driving distance of both Indianapolis and Chicago. The diverse greater Lafayette/West Lafayette community (<http://www.homeofpurdue.com>) has a population of approximately 200,000, and a low cost of living.

Purdue University's MRI Facility

The [Purdue University MRI facility](#) is a Purdue Core facility as well as an Indiana CTSI Core Facility and houses three MRI scanners dedicated purely to research: a 3T Siemens PRISMA, a 3T GE MR750 scanner and a 7T small animal Bruker scanner. All three scanners are available 24 hours a day. The [Life Sciences MRI Scanner \(Siemens 3T\)](#), run by the College of Health and Human Sciences, gives priority to NIH-funded research. Users of the Purdue MRI facility have access to ample pilot funding opportunities, as well as to support by the facility's staff members, an MRI physicist and a research MRI technologist.

The Purdue MRI facility, in its current configuration and location on campus, was established in 2016. Since then, the MRI community on campus has expanded by over 10 new faculty specialized in MRI, and over 40 internal and external user groups. *Affordable and easy access to MRI research scan hours for research* remains a major asset of the Purdue MRI facility.

Community

Greater Lafayette Indiana is home to Purdue University and is one of the fastest growing communities in the Midwest. Subaru of Indiana Automotive, Caterpillar, Dow AgroSciences, Rolls-Royce, GE Aviation, Schweitzer Engineering Laboratories, Wabash National, Saab Global Defense and Security Company, high tech firms and small businesses all call Greater Lafayette their home. Conveniently located between Chicago and Indianapolis, Greater Lafayette is also near several other major metropolitan cities. 'Visit Lafayette-West Lafayette' and 'Greater Lafayette Commerce' are resources that highlight our great community.

Submission and start date

Application review will begin on March 14th and continue until the position is filled.

Equal opportunity

Purdue University is an EOE/AA employer. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.