Magnetic Resonance Imaging (MRI) Medical Physicist, Open Rank

San Antonio

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MRI Scientist/Physicist
Faculty Position / Research Track

The Department of Radiology and the Research Imaging Institute (RII) of the Joe R. and Teresa Lozano Long School of Medicine at UT Health San Antonio is seeking an outstanding individual for a faculty position at the Assistant/Associate Professor rank with expertise in magnetic resonance imaging (MRI) physics and engineering. The successful candidate will both support existing research programs and be expected to establish their own.

A Ph.D in physics, physical chemistry, biomedical engineering, electrical engineering, or a closely related field is required. The candidate should have first-hand experience in MRI Physics, pulse sequence programming, and image reconstruction algorithms. This position will support a new research-dedicated 3T Siemens Prisma system, that will be installed in Q4 of 2023. Expertise with the fSL, SPM, AFNI and MATLAB programming environments also is useful.

This position will also support protocol development on clinical MRI systems so certification by the American Board of Radiology in Diagnostic Medical Physics or the American Board of Medical Physics in Magnetic Resonance Imaging Physics would be ideal.

The Research Imaging Institute staff includes experimental scientists in the fields of neuroscience, cardio-metabolic research, medical physics, biomedical engineering, radiochemistry, and computational science. Current imaging equipment includes an existing 3T Siemens MRI system, two Bruker MRI systems (7T & 12T), and two PET systems with cyclotrons and radiochemistry laboratories. A whole-body 7 Tesla system is planned for the new Brain Health Building, which is scheduled to open in 2025. Users of the RII's resources are world-renowned scientists at NIH-funded research centers in San Antonio including, the Glenn Biggs Institute for Alzheimer's & Neurodegenerative Disease, the Southwest National Primate Research Center, and the Barshop Institute for Longevity and Aging Studies.

San Antonio is the nation's 7th largest city and offers a rich, multicultural community with a thriving bioscience industry. UT Health San Antonio is located on the edge of the beautiful Texas hill country and is designated a Hispanic Serving Institution by the US Department of Education.

Research awards to UT Health San Antonio in FY 2022 totaled over $360 M ($100 M from NIH).

The salary for this position will be based on qualifications and experience. Interested candidates should apply at https://uthscsa.research.selectminds.com/faculty. Please attach a letter of interest, a current CV, and three current letters of reference.

UT Health San Antonio is an Equal Employment Opportunity/Affirmative Action Employer including protected veterans and persons with disabilities. All faculty appointments are designated as security-sensitive positions.

Benefits Overview
UT Health San Antonio offers an excellent benefits package for its employees. Employees who work at least 20 hours a week, with an appointment of at least 4.5 months, are eligible for benefits.

**Medical:** UT SELECT Medical insurance is offered free for employees and administered by Blue Cross and Blue Shield of Texas. Family members can be added to the plan through payroll deduction. Employees and their dependents can also receive discounted copays and coinsurance when using UT Health Physicians, a network of 800 premier physicians including more than 100 specialists.

**Dental:** Three dental insurance plan options are available for employees and their families through Delta Dental Insurance Company; two PPOs and one dental HMO plan. Both PPO plans allow employees to choose any licensed dentist.

**Vision:** Fully insured Vision Care benefits are offered by Superior Vision Services. Two vision plan options that offer either standard or enhanced vision benefits. Life Employees receive $40,000 of group term life insurance and $40,000 of basic accidental death and dismemberment insurance for free, with options to purchase additional employee and dependent coverage for both at group rates.

**Retirement:** Employees are eligible for either the Teacher Retirement System (TRS) or the Optional Retirement Plan (ORP). TRS is a defined benefit retirement plan which UT Health matches employee contributions. ORP is for eligible faculty staff employees. Voluntary retirement programs are also available to invest before- or after-tax dollars with the choice of five quality retirement plan providers.

**Time Off:** A generous leave program offers multiple paid leave options:

- **Front-loaded Paid Time Off:** 128 to 208 hours (16 to 26 days) of Paid Time Off based on years of service, given at the start of each fiscal year. PTO may be prorated in year one based on date of hire.
- **Extended Illness Bank:** 8 hours (1 day) accrued per month which can be used for illness or injury after one day of Paid Time Off is taken.
- **Paid Family Leave:** Up to 240 hours (6 weeks) to care for a spouse, child, or parent after 6 months of consecutive employment.
- **Holidays:** 12 set paid holidays each year plus three floating holidays, which can be used anytime during the fiscal year.

**FSAs:** Employees can enroll in flexible spending accounts (FSAs) to set aside money from earnings before taxes for qualifying dependent day care expenses or out-of-pocket health care expenses.

**Discounts:** Employees enjoy a range of discounts on services, tickets, and gym membership.