

Associate Research Scientist – RF Coil Engineer

Position Description

Seeking to hire of a full-time radio frequency (RF) coil engineer who can support the Yale MRRC and Yale Biomedical Imaging Institute research programs. The primary responsibility as RF coil engineer will be to focus on designing, constructing, and repairing RF coils for clinical and pre-clinical MR and PET/MR scanners. These activities will include, but are not limited to, perform EM simulations, CAD design, build and test coils on the bench, evaluate them in an MRI environment, and run safety tests. Secondary responsibilities include design and construction of electronic instrumentation to support research, such as those related to novel MRI hardware (gradient coils and amplifiers, frequency-conversion units), RF receiver paths (pre-amplifiers, T/R switching, pin-diode switching), fMRI stimulation, and interfacing of optical and other hardware to the magnet.

Qualifications

This position will be funded by the MRRC core facility and grants that require their expertise on funded research projects. The position requires a minimum of two years of research training experience following the attainment of a PhD degree. Appropriate field(s) of study/research for an Associate Research Scientist are Biomedical Imaging, Biomedical Engineering, Computer Science, Physics, and other fields in the Biological and Biomedical Sciences. The ideal candidate also has experience with the development of MRI hardware, software, and applications, as well as medical image analysis.

Application Instructions

Interested candidates should apply through the provided link:

<https://apply.interfolio.com/191388>

Equal Employment Opportunity Statement

The University is committed to basing judgments concerning the admission, education, and employment of individuals upon their qualifications and abilities and seeks to attract its faculty, staff, and student body qualified persons from a broad range of backgrounds and perspectives.

Additionally, in accordance with this Policy and as delineated by federal and Connecticut law, Yale does not discriminate in admissions, educational programs, or employment against any individual on account of that individual's sex; sexual orientation; gender identity or expression; pregnancy, childbirth or related conditions;

race; color; national or ethnic origin; religion; age; disability; protected veteran status, or other protected classes as set forth in federal and Connecticut law.

Professional Conduct Review for New Faculty Hires

The final candidate, upon acceptance of a contingent offer of employment/faculty appointment, may be required to disclose whether they are, or have been, the subject of any disciplinary proceeding (investigation, hearing, etc.) at previous institutions or employers, and may also be subject to background screening. Candidates who materially misrepresent information on their resume or other application materials are ineligible for hire/appointment. Final candidates may also be required to sign a release to allow Yale to solicit information regarding any substantiated conduct violations from current and/or past employers.