

## **MagLab Research Faculty Position in RF Engineering for in Preclinical MRI/S**

The National High Magnetic Field Laboratory (MagLab) is seeking a research faculty member to undertake research and development of magnetic resonance (MR) radio frequency (RF) probes for the highest magnetic fields available for preclinical MR imaging and spectroscopy. The MagLab is the world's premier magnet laboratory with state-of-the-art high magnetic field facilities and has a history in development and application of ultra-high field NMR and MRI/S magnets and instrumentation. The MR User Facility host hundreds of users from around the world each year.

Faculty member will support users with RF probe development for their specific projects to enhance the preclinical MR efforts in both the Tallahassee and Gainesville sites of the MagLab. The candidate will engage in ultra-high field MR RF coil development, user support, QC/QA and individually-driven research on MR RF coil and instrumentation design. The candidate, based in Tallahassee FL, is expected to utilize their expertise in RF engineering to design, build and implement RF coils for various high-field preclinical MR magnets (7 – 36 T) and applications. In addition to regular visits to the MagLab facility in Gainesville, the candidate will have the opportunity to collaborate with national and international researchers, apply for grant opportunities, publish and pursue individual research objectives, and participate in national and international organizations and conferences.

Qualifications include a Ph.D. degree in biomedical engineering, electrical engineering or related fields. The candidate is expected to have knowledge of RF circuit, electronics, components and interconnection, as well as RF theory and electromagnetic simulation/design tools to ensure robust and efficient designs. A good understanding in MR fundamentals is essential. The candidate should have an excellent record of high quality research, as shown by high quality scientific publication in the field. Good communication skills are essential.

Interested candidates should apply to Florida State University at <https://jobs.fsu.edu> and reference Job ID #46231. Please attach your curriculum vitae, and a cover letter describing your research experience and interest in the position. For additional information, please contact Ms. Bettina Roberson, National High Magnetic Field Laboratory, Florida State University, 1800 E. Paul Dirac Drive, Tallahassee, FL 32310-2740, 850-644-0855.

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