

**Tenure-track/Tenured PROFESSOR (OPEN RANK)
Co-Director of MR Spectroscopy
Department of Biomedical Engineering
Department of Radiology**

The Department of Biomedical Engineering (BME), a joint department of the School of Medicine and the School of Engineering at the University of Alabama at Birmingham (UAB), invites applications from highly qualified individuals for tenure-earning / tenured positions at the rank of Assistant to full Professor, based on experience and qualifications. Positions require an earned doctoral degree or equivalent in biomedical engineering or related field. Candidates should have postdoctoral experience in the in vivo NMR research. Specifically, the experiences in NMR spectroscopic pulse and pulse sequence design, and the respective in vivo application will be required. To be competitive for a tenured position, candidates need to be nationally recognized for their scholarship and research, and commitment to education. Tenure-eligible candidates must have an outstanding vision for independent research and commitment to education. The candidate will have a secondary appointment from Department of Radiology, and play a leadership role as a Co-Director of MR Spectroscopy. UAB presently has research magnets of: 3T/70CM Prisma, 9.4T/40CM, 7T/60CM Siemens (at Auburn), as well as many 1.5T and 3T clinical service magnets.

The Department of Biomedical Engineering (BME) at UAB was founded in 1979 in the School of Engineering, and has been one of the prominent center in cardiovascular research in the world. In 2014, BME became a joint department of the School of Engineering and the School of Medicine. The joint department facilitates a strong culture of collaboration, collegiality, and excellence in scholarship, research, and education. The department has a strong record of extramurally funded interdisciplinary research with emphasis in cardiovascular tissue engineering, cardiac electrophysiology, biomaterials, biomechanics, biomedical implants & devices, biomedical imaging, computational biology, drug delivery, and regenerative medicine. Presently, the BME department offers degree programs leading to Bachelor's, Master's, and Doctoral degrees.

Candidates who join this exciting environment must be committed to lead a robust extramurally funded research program, teaching excellence at the undergraduate and graduate levels, and involvement in service activities to the University and the profession. The successful candidate must have strong communication skills and be able to collaborate with colleagues and participate in ongoing departmental programs.

UAB is a major research university and academic health center that discovers, teaches, and applies knowledge for the intellectual, cultural, social, and economic benefit of Birmingham, the state, nation, and globe. The UAB faculty is renowned for its excellence in interdisciplinary research programs. In 2015, UAB was awarded over \$433 million in grants and contracts funding. UAB has over 19,500 students and 20,200 faculty and staff in academic programs in medicine, engineering dentistry, nursing, health professions, optometry, public health, arts & sciences, and business. The BME department currently consists of 20 full-time faculty members, 35 graduate and 245 undergraduate students, and active federal grants totaling approximately \$6.5M for FY16.

The successful candidate is expected to develop an interdisciplinary research and training program that complements and expands ongoing programs in BME and other collaborative centers at UAB. Applicants should submit: 1) current curriculum vita detailing education, employment, and citizenship status; 2) a statement describing research activities, teaching interests, and related professional experience; to BME Search Committee, c/o Kelly Hillard, Program Director, Department of Biomedical Engineering; VH G094; 1720 2nd Ave S; Birmingham, AL 35294-0019. Electronic submission is strongly encouraged and should be sent to kellybme@uab.edu.