

## **Faculty Position Announcement**

Department of Biomedical Engineering  
College of Engineering  
The University of Iowa  
Iowa City, IA

### **External Ad, Requisition #71293**

The Department of Biomedical Engineering at The University of Iowa ([engineering.uiowa.edu/bme](http://engineering.uiowa.edu/bme)) is seeking visionary individuals who are integrating engineering, biological sciences, and translational medicine to promote scientific discovery and the development of clinical technologies that advance healthcare. Our department seeks to enhance its integrative research and educational programs. We are especially interested in candidates with a background in biomedical imaging and/or signal analysis. While all areas of imaging expertise will be considered, the following are of particular interest: the development of new imaging systems and image acquisition techniques, research in biomedical image processing and image-based modeling, and the application of biomedical imaging to understand major challenges in human health (e.g., diagnosis, treatment, and long-term survival).

The Department of Biomedical Engineering invites applications for a full-time tenure-track faculty appointment with an anticipated start date of Fall 2018. The rank of Assistant Professor is targeted, but all ranks will be considered. Applicants are expected to have a doctoral degree in Biomedical Engineering or related discipline.

The Department of Biomedical Engineering at the University of Iowa is experiencing a period of unprecedented growth, having doubled our undergraduate student body over the past 5 years. A new state-of-the-art 65,000 square foot annex is being added to the Seamans Center for the Engineering Arts and Sciences, and is to be completed in 2018. The addition addresses several strategic needs that will enable the college to maintain its momentum and growth (i.e., expanded classrooms, collaborative learning spaces, and a unique hands-on “maker” classroom). In addition, the College of Engineering has an established global reputation for its four research units — Center for Bioinformatics and Computational Biology, Center for Computer-Aided Design, IIHR—Hydroscience & Engineering, and Iowa Institute for Biomedical Imaging. These centers help fuel a highly interdisciplinary biomedical research enterprise across campus that includes the Carver College of Medicine. Of particular interest for this position is the Iowa Institute for Biomedical Imaging (IIBI), which houses research dedicated imaging instruments including the following systems: 3T and 7T whole body MRI scanners, small animal 7T MRI scanner, dual source CT scanner, micro PET/CT/SPECT scanner, micro CT scanner, and several optical imaging devices. The College of Medicine ranks sixth among public medical schools in NIH dollars and NIH grants per faculty member, with over 250 faculty laboratories in 12 dedicated buildings including 450,000 square feet of wet bench space. Consequently, the opportunities to impact both fundamental and translational research at UI are many.

The successful candidate will be expected to develop an internationally recognized research program, to participate in the teaching and service missions of the department, and to follow The University of

Iowa's strong tradition of collaboration across disciplinary boundaries. The ideal candidate will demonstrate strong communication, teaching and leadership skills, as well as an ability to actively contribute to our rapidly growing department. A strong commitment to graduate and undergraduate teaching and advising is essential, as the supervision of doctoral students and academic advising of trainees at all levels is expected. Teaching responsibilities will include participation in and development of both undergraduate and graduate courses, and strong engagement in a core curriculum that serves to define biomedical engineering for future generations.

The University of Iowa understands the link between diversity and excellence in education. We embrace our responsibility to create a welcoming and inclusive campus culture so that all community members are able to unlock their own potential and be prepared for their future. Faculty members in the College of Engineering contribute to this mission in all areas of faculty effort by designing curricula, research programs, and engagement opportunities that advance understanding of diversity and emphasize the value of global citizenship. Candidates are asked to provide a Commitment to Diversity statement addressing their experience, current activities, and/or future plans to advance diversity and inclusion in alignment with the University of Iowa's mission and values.

The University of Iowa is dedicated to recruiting a diverse faculty community with support systems for all persons to thrive. We are committed to mentorship of faculty and to creating a vibrant and inclusive educational environment. We enthusiastically invite applications from women and underrepresented minority groups. We are committed to recruiting and retaining the most talented and diverse faculty and staff, which involves providing opportunities for employees to "[Build a Career | Build a Life](#)." For more information about local work/life resources, including dual-career support, please see: <https://worklife.uiowa.edu/>.

Preliminary inquiries for additional information are encouraged. Interested applicants should apply electronically to Requisition #71293 at <http://jobs.uiowa.edu/faculty/>. Review of applications will begin on September 15, 2017, although applications will be accepted until the position is filled.

Candidates must submit a letter of interest, a curriculum vitae, teaching and research statements, a commitment to diversity statement, and names and addresses of three references. Please address all required and desirable qualifications in your application materials.

Further inquiries regarding this position can be sent to: [bme@engineering.uiowa.edu](mailto:bme@engineering.uiowa.edu).

The University of Iowa is an equal opportunity/affirmative action employer. All qualified applicants are encouraged to apply and will receive consideration for employment free from discrimination on the basis of race, creed, color, national origin, age, sex, pregnancy, sexual orientation, gender identity, genetic information, religion, associational preference, status as a qualified individual with a disability, or status as a protected veteran.