Open Tenure-Track Faculty Position  
Department of Biomedical Engineering (BME1)

The Department of Biomedical Engineering (https://bme.osu.edu/) at The Ohio State University invites applications for a regular tenure-track faculty appointment in the areas of musculoskeletal tissue engineering and microfluidic design for cancer engineering.

University Overview:
The Ohio State University, in Columbus, Ohio, prides itself on being a model 21st-century public, land grant, research, urban, community engaged institution. Ohio State is a top-20 public university, enrolling over 60,000 students, and is one of the most comprehensive campuses in America. Ohio State fulfills its land-grant university mission with a physical presence throughout the state and translation of its research and discoveries into economic and cultural foundation for the people of Ohio. As the nation’s 14th largest city, Columbus invites and embraces cultural and economic diversity. Read more at experiencecolumbus.com.

College Overview:
The College of Engineering offers 14 undergraduate and 13 graduate programs in 12 departments or centers, as well as, three undergraduate and four graduate degrees in the Knowlton School of Architecture, to approximately 10,000 students. The college has recently expanded its degree offerings with a BS in Engineering Technology available on the regional campuses of the university. The college is one of the largest in the field with 405 faculty. The college has 14 National Academy of Engineering members and numerous members of societies and award recipients. In fiscal year 2020, the college had nearly $138.5 million in externally sponsored research expenditures. Industry R&D expenditures for the College of Engineering in fiscal year 2020 totaled nearly $44 million.

Department Overview:
The Department of Biomedical Engineering at OSU was founded in 2006 following a 35 year history as a research center, and we currently have 27 departmental faculty and over 60 affiliated graduate faculty. Our tradition of excellence in research and education includes a continuously ABET accredited undergraduate program and world class research facilities across the university. The Department is housed within the highly ranked College of Engineering and has very close ties with our many highly ranked health sciences colleges including the Colleges of Medicine, Pharmacy, Veterinary Medicine, Dentistry, and Optometry – all on the same campus. In addition, the combined technical, core, and clinical research facilities of the NCI-designated Comprehensive Cancer Center, the Dorothy M. Davis Heart and Lung Research Institute, the NSF-supported Mathematical Biosciences Institute, the Ohio Supercomputer Center, and an NIH-sponsored Center for Clinical and Translational Science provide unique and comprehensive resources for biomedical engineering research and education at Ohio State.

Positions Overview:

Musculoskeletal (Mechanics and) Tissue Engineering
The Department of Biomedical Engineering is seeking applications from exceptional candidates for a tenure-track position in musculoskeletal mechanics and tissue engineering, anticipated to be appointed at the Assistant Professor level. The applicant will complement and add to our departmental expertise in musculoskeletal mechanics and tissue engineering and work with the interdisciplinary Spine Research Institute at OSU.

Microfluidics Design for Cancer Engineering
The Department of Biomedical Engineering is seeking applications from exceptional candidates for a tenure-track position in microfluidics and machine learning characterization of extracellular vesicles. Although we have identified a preferred candidate, applications from other exceptional candidates will be considered. The candidate will complement and add to our departmental expertise in cancer engineering, microfluidics, and machine learning, and will work closely with the Cancer Engineering Center and the Comprehensive Cancer Center at OSU.
Required Qualifications:

- PhD in Biomedical Engineering or closely related field
- Demonstrated high-quality, high-impact research as evidenced by publications in journals and conferences and competitive research funding
- Demonstrated commitment to excellence in teaching and service
- Strong commitment to cultivating an equitable, diverse, and inclusive workplace environment

Desired Qualifications:

- Demonstrated commitment to interdisciplinary education and collaborative research
- Record of professional service

How to Apply:
Interested applicants should submit an application in Academic Jobs Online:
https://academicjobsonline.org/ajo/jobs/19730. Please include a cover letter, curriculum vita, diversity statement (describe experiences, current interests or activities, and/or future goals that promote a climate that values diversity and inclusion in one or more of the areas of scholarship, instruction and outreach), statements of teaching and research interests, and names and contact information of three references commensurate with the rank sought.

The Ohio State University is committed to establishing a culturally and intellectually diverse environment, encouraging all members of our learning community to reach their full potential. We are responsive to dual-career families and strongly promote work-life balance to support our community members through a suite of institutionalized policies. We are an NSF Advance Institution, a member of the Ohio/Western Pennsylvania/West Virginia Higher Education Recruitment Consortium (HERC) and have an excellent partner in The Ohio State University Wexner Medical Center.

The Ohio State University is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to age, ancestry, color, disability, ethnicity, gender identity or expression, genetic information, HIV/AIDS status, military status, national origin, race, religion, sex, gender, sexual orientation, pregnancy, protected veteran status, or any other bases under the law.

Application deadline:
Application review will begin immediately and continue until the position is filled.