



Biomedical Engineering

Chair of Excellence - BIOMEDICAL ENGINEERING

The University of Memphis (UofM) invites applications and nominations for a **Chair of Excellence** to join and lead research and development programs in **additive manufacturing, biomanufacturing, or bioprinting in the broad areas of musculoskeletal systems, tissue repair/regeneration as it applies to musculoskeletal and or dental-craniofacial implant systems.** The Chair of Excellence position provides leadership in the Joint BME Graduate Program at the UofM and University of Tennessee Health Science Center (UTHSC) and offers many opportunities for collaboration and innovation across engineering, science, manufacturing, entrepreneurial and medical disciplines at both universities in a vibrant entrepreneur-friendly city that is a hub for the medical device industry.

The University & FedEx Institute of Technology have invested \$2+M in equipment, space, and personnel to launch the Additive Manufacturing Research Center (<https://www.memphis.edu/mamlab/facility/index.php>). The Center involves faculty from across the University and local manufacturing industries (Medtronic Spinal, Smith & Nephew Orthopedics, Wright Medical Technology Inc, FedEx, and ABB) to engage in new inter-disciplinary research. UofM is also part of the multidisciplinary Memphis Institute of Regenerative Medicine (MIRM), that was established at UTHSC with support from the Memphis Research Consortium and State of Tennessee. The Institute's mission is to further advance research, development and manufacture of innovative regenerative technologies that will revolutionize the practice of medicine and provide commercial applications leading to economic development. There are extensive facilities and resources in the biomedical, mechanical and other engineering departments and in the physics, chemistry and biology departments at the UofM and on the UTHSC campus for materials development, characterization, and testing, for *in vitro* and *in vivo* evaluation, and for pursuing translational studies.

The Chair of Excellence will be appointed at the rank of Associate or Full Professor, commensurate with background and experience, in the Biomedical Engineering Department at UofM and in the UoM-UTHSC Joint Graduate Program in BME. Our vision is that this person will spearhead segments of the State of Tennessee's, the regional biomedical device industries', and the College's and Department's efforts in additive manufacturing and or bio-manufacturing areas and to become recognized in Tennessee and nationally as a leader in biomedical engineering education, research, development, and in professional and public service. This faculty member will develop programs of externally funded basic and translational research that leads to discovery and innovation in additive- and bio- manufacturing areas. The faculty and programs will join in our departmental mission to educate students from diverse backgrounds through multi-disciplinary approaches for careers that transform and advance health care in industry, research, and health professions. Our College and Department are a diverse and international community of faculty, students and staff who recognize that diversity and inclusion enrich learning, fuel discovery and creativity, launch innovation, and develop the next generation of engineering leaders that will work together to address major societal challenges. Opportunities for dual career candidates may be considered.

Qualifications: Ph.D. degree in biomedical engineering, or a closely related field with a well-recognized and respected expertise in additive manufacturing, biomanufacturing, or bioprinting or related areas

To apply, submit applications electronically at <https://workforum.memphis.edu/postings/26259>. Screening of applications will begin 1 Jan 2021 and will continue until the position is filled. Applications must include a cover letter, teaching and research plans/strategies, a comprehensive curriculum vitae, and the full names and contact information (business address, phone number(s), and e-mail address) of three professional references.

Contact: Joel D. Bumgardner, PhD, FBSE, FAIMBE; Chair, Biomedical Engineering, jbmqrdr@memphis.edu

The University of Memphis is an Equal Opportunity/Affirmative Action Employer.