The Colleges of Engineering and Medicine at The Ohio State University are pleased to invite applications for a new senior-level, joint faculty position that will be available as early as Autumn 2014. We seek to fill this position with an established faculty member at the Professor or Associate Professor level.

We are initiating a cluster of hires to develop a Spine Research Institute that will include faculty members with expertise in regenerative medicine, imaging, modeling, and biomechanics. For the current opening, we seek expertise in disc disease and spine degenerative processes to work closely with colleagues in the Biodynamics Lab and the Center for Regenerative Medicine and Cell-based Therapies.

The successful candidate will have a nationally funded research program in neuroinflammatory biomarkers relevant to spinal tissue injury and back pain, including injury to spine associated soft tissues (ligaments, tendons, joint capsules, discs, etc.). Biomarkers of interest include not only chemokine and cytokine biomarkers classically associated with spinal injury, but also other pro- and anti-inflammatory immuno-modulators, immuno-regulatory substances, and metabolites associated with back injury and pain.

The Department of Biomedical Engineering, founded in 2006 following a 35-year history as a research Center, has 20 departmental faculty members, over 70 affiliated graduate faculty from five Colleges, and a tradition of excellence in research and graduate education. A new undergraduate program has recently started with the inaugural graduating class of 2011; the undergraduate program was accredited by ABET in Summer 2012. We have faculty expertise in five biomedical engineering “domains” including: Bioimaging; Biomaterials; Biomechanics and Biotransport; Molecular, Cellular and Tissue Engineering (including Regenerative Medicine); and Biomedical Micro/Nano Technology.

The combined technical, core, and clinical research facilities of the College of Engineering, College of Medicine, College of Veterinary Medicine, College of Dentistry, Mathematical Biosciences Institute, Nanotech West (a state of the art micro-and nanofabrication facility), Comprehensive Cancer Center, Davis Heart and Lung Institute, Center for Regenerative Medicine and Cell-based Therapies, and the Ohio Supercomputer Center provide unique and comprehensive resources for building a world-class spine research and education program at Ohio State.

In addition to a strong record of research accomplishment, applicants must also demonstrate interest and accomplishment in teaching and have an earned a doctoral degree with experience in medical science applications. Applicants should have experience with biomedical research, either through direct experience or through a strong collaborative record. We plan to invite selected applicants for interviews as early as September, 2013; however, the search will continue until the position is filled. Rank and salary are commensurate with the candidate’s qualifications.

Applicants are asked to send PDF versions of their CV, a brief description of research and teaching interests and plans, and names and addresses of three references to bmespine@bme.osu.edu

More information about the Department of Biomedical Engineering can be found at:
http://bme.osu.edu

The Ohio State University is an Equal Opportunity, Affirmative Action employer. Women, minorities, veterans and individuals with disabilities are encouraged to apply. Ohio State is an NSF ADVANCE Institution.