



**FACULTY POSITION IN NEURAL ENGINEERING
ENGINEERING SCIENCE AND MECHANICS AND BIOENGINEERING DEPARTMENTS
PENN STATE UNIVERSITY**

The Engineering Science and Mechanics and Bioengineering Departments at The Pennsylvania State University invite applications for a tenure-track assistant professor faculty position in neural engineering at the interface between materials science and neuroscience. Exceptional candidates at the associate or full professor level will also be considered. Candidates are sought whose research integrates and applies methods of tissue engineering with neuroprosthetic devices to facilitate innovative approaches in treating disabilities and disease processes at the molecular, cellular, tissue and systems levels. Of particular interest are new models that treat neural tissue as a “soft” multiscale material, and mechanistic approaches exploring processes occurring at the tissue/prosthetic device interface. Theoretical and experimental engineering expertise may encompass electromagnetics, brain biomechanics, micro-fluidics, materials science, nanotechnology, and appropriate engineering fields. Translational research towards the treatment of Parkinson’s and Alzheimer’s diseases, epilepsy, stroke, depression, hydrocephalus, trauma, and related conditions is desirable.

Multidisciplinary research interests are a definite advantage. The candidate will be expected to interact with faculty in the bioengineering, engineering science and mechanics, and other appropriate engineering departments, the Materials Research Institute, the Huck Institutes for the Life Sciences, and the College of Medicine. An appointment will also be held as a faculty member in Penn State’s Center for Neural Engineering, with new facilities under construction. Candidates will develop new undergraduate and graduate curricula, teach in the neural engineering Ph.D. track, and mentor within the MD/PhD program in emerging areas of neural engineering.

Qualifications for the position include an earned doctorate in engineering or area appropriate to the applicant’s field of specialization and a proven record of scholarly activities. Three years of post-doctoral experience in a related area is highly desirable. Duties will include undergraduate and graduate teaching and scholarly research that will advance the state-of-the-art of neural engineering. The departments are committed to diversity and fostering a welcoming climate for all.

Review of applications will begin immediately. Applications will be considered until the position is filled. Please send a curriculum vitae, statement of professional interests, teaching philosophy and the names and addresses of four references to:

Attn: Neural Engineering Search Committee Chair
Department of Engineering Science and Mechanics
212 Earth-Engineering Sciences Building, Box 212
The Pennsylvania State University
University Park, PA 16802-6812

Electronic applications may be submitted to: positions@mail.esm.psu.edu

Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce.