BIONANOSENSING

Department
Materials Science and Engineering

Position
Bionanosensing

Rank
Assistant or Associate Professor

Description
The Ohio State University Department of Materials Science and Engineering seeks a scholar for a tenure track position in the field of biosensing with emphasis on the design, fabrication, characterization and testing of nanoscaled systems capable of detecting and monitoring human injury, particularly injuries associated with the brain or the CNS. Appointment at the associate professor level is also a possibility based on candidate qualifications.

This position is part of a highly collaborative interdisciplinary community of scholars in the Center for Chronic Brain Injury, with the goal to become the preeminent center for chronic brain injuries. This center is focusing on transformative concepts to impact the way we diagnose, treat, monitor and prevent chronic brain injuries through an integrated approach that engages scientists whose research is aligned towards the prevention, detection and outcomes of chronic brain injuries. Our multi-disciplinary center encompasses the full complexity of the brain and spinal cord, including systems that subserve brain function. As is common with most diseases (e.g., cancer, heart disease, diabetes), the best treatment is to prevent or minimize health consequences early during onset. We will develop standardized novel diagnostic methods and evidence-based research to improve chronic brain injury outcomes.

Qualifications
Candidates with research interests in circuit technologies, nano-systems, neural sensing, neural stimulation and/or future neural electronic technologies are particularly encouraged to apply. The appointee will be expected to participate in interdisciplinary research with on- and off-campus scholars; attract external funding to support scholarship and outreach; and engage relevant private and public stakeholder groups.

About the University
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 and a member of the Ohio/Western Pennsylvania/West Virginia Higher Education Recruitment Consortium (HERC).

The Ohio State University is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation or identity, national origin, disability status or protected veteran status.

For more information about career opportunities, please visit Discovery.osu.edu.