INDIANA UNIVERSITY
DEPARTMENT OF NEUROLOGICAL SURGERY
School of Medicine

SCHOOL OF MEDICINE
STARK NEUROSCIENCES RESEARCH INSTITUTE

PhD student and Postdoctoral position in Neuroprosthetics and Neuromodulation

The Brain-Spine-Machine Interfaces Lab directed by Dr. Amol Yadav in the Department of Neurological Surgery has an opening for a postdoc and PhD student in sensory neuroprosthetics, brain-machine interfaces, and spinal neuromodulation (animal and clinical translational projects).

The laboratory develops neural interfaces and stimulation therapies for the treatment of sensorimotor deficits caused by neurological disorders such as Parkinson's disease and traumatic injuries to the spinal cord and brain. We integrate neuroengineering and systems neuroscience techniques to develop new therapies and to study brain-spine relationship. We collaborate with surgeons, clinicians, and basic scientists to conduct translational neuroengineering research.
The lab is located in the Stark Neurosciences Research Institute (SNRI) – an interdisciplinary research center at Indiana University School of Medicine in Indianapolis, Indiana. SNRI boasts 100+ principal investigators focusing on numerous topics such as neurodegenerative disorders, spinal cord and brain injury, pain, addiction, etc. engaging in research ranging from basic to translational science. For more information visit SNRI.

Postdoc position is available immediately.
PhD position starts Fall 2022, Spring 2023, or earlier.

PhD applicants should email to apyadav [at] iu [dot] edu with CV, a brief description of research interests and career goals. Application to the admitting department with transcripts, statement of purpose, recommendation letters, etc. will need to be submitted after initial discussion. Required: Undergraduate degree in biomedical engineering, electrical/computer engineering, neuroscience, or related fields with prior experience in a research laboratory.

Postdoc applicants can email apyadav [at] iu [dot] edu with CV, edu with CV, 1-2 page statement of research interests and career goals, and contact information of three referees or apply directly at Apply Here. Required: PhD in neuroscience, neuroengineering, biomedical engineering, or other related computational or life-science fields with experience in neural engineering, or neurophysiology, or electrical/optical stimulation. Further details on expected skills available at Apply Here.