PHD in Neuroprosthetic Learning

Position Overview:

The **NVL-Lab** within the Department of Electrical and Computer Engineering at the University of Alabama at Birmingham (UAB), and part of the Neuroengineering program, is looking for an enthusiastic PhD student interested in exploring the fields of neuroprosthetics and neuroengineering. Selected candidates will be immersed in a multidisciplinary research environment, employing experimental and computational techniques to unravel the neural basis of learning and pioneer neurotech solutions for brain disorders.

Responsibilities:

- Participate in groundbreaking research to understand and influence neuroprosthetic learning.

- Engage with experimental neural and behavioral data collection and analysis.

- Apply innovative techniques such as photo-pharmacology, neuro-stimulation, and computational methods.

- Assist in developing neuro-technology-based solutions for cognitive disorders.

Requirements:

- Bachelor's or Master's degree in Electrical Engineering, Neuroscience, or a related field.

- Interest in experimental design, data analysis, and research.

- Willingness to learn about electrical/optical stimulation, machine learning, and neuroprosthetic paradigms.

- Basic proficiency in Python programming or a strong motivation to learn.

- Ability to work effectively in a multidisciplinary team environment.

- Strong communication skills, both written and verbal.

Application Process:

To apply, follow the instructions of this link and submit a cover letter outlining your interest and qualifications, a resume or CV, and contact information for two academic or professional references to nvl2@uab.edu