POSTDOCTORAL POSITION IN NEURAL DYNAMICS AND BRAIN-COMPUTER INTERFACES

A postdoctoral associate position is available for an NIH-funded research project at the intersection of computational neuroscience and intracortical brain-computer interfaces (iBCI). The primary appointment will be in Dr. Danziger’s Applied Neural Interfaces Lab (https://anil.fiu.edu/) at Florida International University; however, this is a collaborative project with Northwestern University and the postdoc will interact with groups at both Universities.

The postdoc will lead the lab’s efforts in developing validation systems and decoding algorithms for iBCI applications. The project combines themes in human motor learning, computational neuroscience, and machine learning through artificial neural networks to advance the frontiers of iBCI design and understand the relationship between human users and adaptive controllers. The lab is committed to providing support for professional development by supporting conference travel, workshops, seminars, writing, and networking.

Applicants should have a Ph.D. in biomedical engineering or neuroscience with a background in computational neuroscience, or a Ph.D. in computer science or electrical engineering with a background in neuroscience. Applicants are expected to have substantial experience with MATLAB or Python. Qualified candidates are encouraged to apply directly to the Principal Investigator, Dr. Zachary Danziger (Zachary.Danziger@fiu.edu), with a letter of interest, curriculum vitae, and the names and contact information for at least three references. Salary will be commensurate with qualifications, laboratory experience, and institutional and NIH guidelines. The position is available to start as early as July 2019. Review of applications will begin immediately, and the position will remain open until filled. For questions, please feel free to contact the PI by email. We look forward to hearing from you!

- The Miami Metropolitan Area is an exciting city with a thriving cultural center and tourist attractions, ready ocean access, warm climate, and myriad options for neighborhood living. FIU is actively engaged with the South Florida community.
- Florida International University is classified by Carnegie as a R1: Doctoral Universities - Highest Research Activity and recognized as a Carnegie engaged university.
- FIU is a public research university with colleges and schools that offers 196 bachelor’s, master’s and doctoral programs in fields such as engineering, computer science, international relations, architecture, law and medicine. FIU emphasizes research as a major component of its mission, and as one of South Florida’s anchor institutions, FIU contributes almost $9 billion each year to the local economy. FIU also supports artistic and cultural engagement through its three museums: Patricia & Phillip Frost Art Museum, the Wolfsonian-FIU, and the Jewish Museum of Florida-FIU. For more information about FIU, visit http://www.fiu.edu/.
- FIU is a member of the State University System of Florida and an Equal Opportunity, Equal Access Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, or any other characteristic protected by law.