



# Post-Doctoral Position in Urology

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We are seeking an enthusiastic and talented candidate with a Ph.D. in neuroscience, engineering, computer science, cognitive psychology, the biomedical sciences, or a field related to neuroscience to join the Mind Maps Project at the Applied Technology Laboratory for Advanced Surgery (ATLAS) Program at Roswell Park Comprehensive Cancer Center in Buffalo, NY. We are broadly interested in researching medical and surgical challenges. Projects in our lab include, but are not limited to, surgeons' surgical skill evaluation in a robot-assisted surgery environment using surgeons' physiological data, mental health evaluation of cancer patients after oncologic surgery, and rehabilitation progress monitoring.

Experience with the collection and analysis of single-unit neural recordings and/or local field potentials (human or animal) is required. Experience programming with MATLAB and familiarity with the Linux environment is highly encouraged. Knowledge of the acquisition and analysis of EEG, ECoG, or local field potentials/single cell activity is preferred. The best candidates will be experienced individuals interested in human cognition and the development of new methods for applying deep learning to EEG data and other physiological data. The candidate should be able to write production-grade code and train Brain-Computer Interface models on large amounts of EEG data.

The candidate is expected to be highly motivated, possess excellent presentation and interpersonal skills, an ability to troubleshoot technical neurophysiological issues, a demonstrated track record of publications and project completion, and the ability to work both independently and with others. Additional responsibilities include manuscript and grant preparation, literature and manuscript review, and presentations at local seminars and national meetings. An initial appointment will be made for one year, with the possibility of extension based upon performance.

This is a full time position and salary is commensurate with accumulated relevant research experience and NIH payscale.

Interested candidates should submit a cover letter, curriculum vitae and contact information of three referees to:

**Jenna.Bizovi@RoswellPark.org**  
and  
**Khurshid.Guru@RoswellPark.org**

