Stangl Lab

BOSTON UNIVERSITY

The Stangl Lab at Boston University is hiring a **Postdoctoral Research Associate** to join our interdisciplinary research team, working at the intersection of cognitive neuroscience, neurotechnologies, and data analytics. We study how the human brain supports critical cognitive and behavioral functions, with a focus on spatial navigation and memory, in everyday life and social situations. Our work employs cutting-edge neurotechnologies, wearable systems, and multimodal neuroimaging techniques, including intracranial electrophysiological recordings from freely-moving individuals with permanently implanted neuromodulation systems, recordings of local field potential and single-neuron activity in clinical patient groups with implanted deep brain electrodes, as well as non-invasive methods like fMRI and fNIRS. For more information, visit our website: www.stangl-lab.com

Key Responsibilities:

- Design and implement research studies investigating spatial navigation and memory using multimodal neuroimaging and behavioral recordings.
- Collect and analyze neurophysiological and behavioral data from both freely-moving and stationary participants, including clinical patients.
- Collaborate with other team members to develop hardware and software solutions for the design, conduct, and analysis of research studies.
- Prepare manuscripts for publication in leading scientific journals.
- Present research findings at local, national, and international conferences.
- Mentor and support junior team members.

Ideal Qualifications:

- Ph.D. in Cognitive Science, Biomedical Engineering, Neuroscience, or a related field.
- Experience in collecting and analyzing neurophysiological recordings.
- Strong data analysis and scientific programming skills.
- Proficiency in coding languages such as Python or MATLAB.
- Solid background in experimental design, statistics, and scientific writing.
- Excellent communication, problem-solving, and interpersonal skills, with strong attention to detail.
- Passion for understanding the neural basis of human cognition and behavior.
- Willingness to work in a clinical research environment.

We offer:

- A stimulating, inclusive research environment with extensive resources for cutting-edge studies on the neural basis of human cognition.
- Competitive salary and benefits package.
- Access to state-of-the-art neuroimaging and computing facilities.
- Opportunities for professional development, including training in advanced methods, workshops, and international conferences.
- Mentorship in grant writing, publishing, and career development to support your transition to an independent research career.
- A collaborative and supportive culture that fosters both personal and professional growth, with a strong commitment to mental well-being.
- A highly collaborative research environment within Boston University and with external institutions, providing opportunities to work on interdisciplinary projects with leading experts in neuroscience, engineering, and clinical fields.
- A vibrant, diverse community with networking opportunities, career development seminars, and social events.

To Apply: Please send your CV, a brief statement of your background and motivation, and contact details for at least two references to mstangl@bu.edu. We are committed to diversity and encourage applicants from underrepresented groups. Applications will be reviewed on a rolling basis until the position is filled.