



**Postdoctoral Fellow Recruitment Opportunity
Neurophysiology / Bioengineering / Neurorehabilitation**

The Neuromodulation and Recovery Lab currently seeks a postdoctoral fellow with a degree in Bioengineering, Neuroscience, or a related field. Successful candidates will work on an exciting program using neuromodulation approaches, including invasive and non-invasive spinal cord electrical stimulation. Projects focus on functional recovery and mobility after neurological injuries and disorders, such as spinal cord injury, multiple sclerosis, or stroke. Knowledge in neurophysiology and motor control, experience in clinical research, neurostimulation, EMG, motion capture, and kinematic analysis, are preferred. Enthusiastic individuals seeking to work in a multidisciplinary team are encouraged to apply. Opportunities for collaboration with clinicians and scientists on existing clinical research projects, including robotic exoskeletons, neuroimaging, and animal models, are available. The postdoctoral fellow will become part of a dynamic environment within the Center for Neuroregeneration at Houston Methodist Hospital, focused on interdisciplinary research programs that span the interface between sensorimotor neuroscience and neurorehabilitation.

DUTIES AND RESPONSIBILITIES:

-) Must demonstrate the capability to work independently and with a team.
-) Design and conduct experiments, analyze data, and prepare research manuscripts and funding proposals.
-) Participate in research activities and contribute to the excellence of the environment within the Houston Methodist Research Institute.

EXPERIENCE & REQUIREMENTS:

Candidates with a published track record in neurophysiology, neurorehabilitation, or bioengineering research are highly preferred. Expertise in at least one of the following: electrophysiology, neurostimulation, or motor control, is required.

EDUCATIONAL REQUIREMENTS:

Desired educational qualifications include a PhD in neuroscience, motor control, biomedical engineering, or related science.

The Houston Methodist Research Institute was formed in 2004 with one mandate: to rapidly and efficiently translate discoveries made in the laboratory into new diagnostics, therapies and treatments. The Research Institute, housed within Houston Methodist Hospital – a US News and World Reports Honor Roll hospital – has dedicated research space embedded throughout the campus, with a 440,000-square-foot dedicated research building that provides the technology and facilities needed to support all stages of research, product development, and clinical trials to benefit patients around the world. The Research Institute includes laboratory space to house over 1500 staff and trainees, 277 principal investigators, and more than 250 clinical trials. Over 20 core facilities enhance interdisciplinary research, including two Good Manufacturing Practice (GMP) facilities which provide capabilities to create clinical-grade radiopharmaceuticals, biological agents, nanoparticles and devices. The Institute houses preclinical GLP support, state-of-the-art imaging equipment for preclinical and clinical studies, and the Methodist Institute for Training, Innovation and Education (MITIE), a surgical simulation and procedural skills training facility.

Please send Curriculum Vitae, statement of research interests and future objectives, and list of three references to Rachel Markley, Research Coordinator, at rmarkley@houstonmethodist.org.