

Postdoctoral Research Fellow Position Available in Human Neurophysiology

A postdoctoral position is available in the laboratory of Dr. Noam Harel (<https://labs.icahn.mssm.edu/harellab/noam-y-harel/>) at the James J. Peters VA Medical Center, Bronx, New York. We operate within a multidisciplinary Spinal Cord Damage Research Center that includes programs dedicated to multiple other aspects of spinal cord injury, including cardiovascular, metabolic/endocrine, gastrointestinal, thermoregulatory, pulmonary, and molecular consequences. We are also affiliated with the Icahn School of Medicine at Mount Sinai and collaborate closely with colleagues at other academic institutions in New York and around the country. There are numerous learning and mentorship opportunities.

Our research focuses on improving neural plasticity after spinal cord injury (SCI) and other conditions that affect the spinal cord. We have multiple human subject protocols that involve electrical and magnetic neuromodulation, electromyography, electroencephalography, gait training, virtual reality, and upper extremity training.

Applications are strongly encouraged from members of historically underrepresented groups, individuals representing diversity based on sexual orientation, and individuals representing diversity based on disability status.

The postdoctoral fellow would be expected to have experience in one or more of the following techniques in human participants:

- Electromyography
- Spinal and peripheral nerve stimulation
- Transcranial magnetic stimulation
- Gait training
- Kinematics (motion capture, force)
- Working knowledge of Spike2, MATLAB, LabVIEW, SPSS, or R is desirable.

The fellow would be responsible for, but not limited to, the following:

- Conducting electrophysiological testing and overseeing gait training for a spinal stimulation clinical trial for individuals with chronic SCI (<https://clinicaltrials.gov/NCT04807764>)
- Ensuring accurate data acquisition workflows
- Data analysis and manuscript preparation
- As well as other administrative duties

Interested individuals with a recent PhD in Neuroscience, Biomedical Engineering or related fields are encouraged to apply. The position is available now and is funded for the next three years, with a strong possibility of extension.

To Apply:

Send Cover letter and CV to noam.harel * at * mssm.edu

Noam Y. Harel, MD, PhD

Associate Professor

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