



Postdoctoral Fellowship in Motor Recovery after Stroke

Focus: VNS effects on motor, cognitive, and affective systems in stroke

PI: Heidi Schambra, M.D.

The Mobilis Lab at NYU Langone, led by Dr. Heidi Schambra, is recruiting a postdoctoral fellow to join our team in New York City. The lab seeks to understand and enhance motor recovery after stroke. For more information about the lab, see www.mobilislab.com.

We are recruiting a postdoctoral fellow to join our team in **Spring 2025**. The successful applicant will co-lead an NIH-funded project to examine the mechanisms of vagus nerve stimulation (VNS) paired with rehabilitation training in chronic stroke. They will use TMS to assess descending motor pathways, diffusion and functional MRI to assess structural and functional connectivity, and precision behavioral testing to quantitate motor and non-motor behaviors.

We are seeking a motivated and enthusiastic candidate with primary interests in neuroplasticity, neurorestoration, and stroke recovery. The candidate must have a doctoral degree in relevant areas (e.g. MD with neurology or rehabilitation medicine training, or PhD in movement or rehabilitation science, human neuroscience, kinesiology, occupational/physical therapy). Experience in clinical research is required. Experience with stroke patients, TMS, and/or neuroimaging is strongly preferred, and statistics and programming skills (Matlab, Python, JMP, etc.) are a plus.

Specific responsibilities include assisting in VNS delivery in individuals with stroke, acquiring and processing neurophysiology and behavioral data, performing statistical analyses and synthesis of data, presenting findings at scientific meetings, writing manuscripts, contributing to grant proposals, and mentoring students.

Academic development is a central feature of this fellowship, and we will actively support the fellow's professional growth through individual development plans, 1:1 mentoring, and professional skills [workshops](#) offered through the NYU Langone [Postdoctoral Training Program](#). The starting salary range is \$68,000 – \$70,000 per year with annual increases and a comprehensive benefits package. Housing support is available. The position is open to non-US citizens.

Interested candidates should submit the following to Dr. Heidi Schambra at Heidi.Schambra@nyulangone.org:

1. Curriculum vitae
2. Brief (2 pages or less) cover letter explaining your research experience, interests, goals, and available start date
3. Three references (names, contact information, roles) familiar with your research