UT Southwestern
O'Donnell Brain Institute

Postdoctoral Fellowship
Stroke Motor Recovery in Rodent Models

A postdoctoral fellow position is available immediately in the Neurorepair Laboratory at UT Southwestern Medical Center in Dallas, Texas. Our laboratory examines cellular and molecular approaches to motor recovery in mice after targeted stroke lesions or cerebral amyloid angiopathy. Current areas of interest include promoting remote collateral sprouting in corticospinal axons, mapping the post-stroke "re-connectome," and using optical/chemogenetic techniques to improve post-stroke recovery. We also develop unique methodological approaches involving transgenic mouse models, viral and chemical track tracing, advanced whole-brain microscopy and image analysis, and automated behavioral testing. We enjoy excellent core facilities and an outstanding collaborative environment.

We seek enthusiastic and collaborative scientists with career interests in translational neuroscience in CNS repair or recovery. Candidates should be capable of independent work in experimental design, interpretation, and publication. Successful applicants must have doctoral experience supported by publications in animal models of CNS disease or injury, molecular or cellular neuroscience, advanced microscopy, and/or behavioral testing. There are ample opportunities for professional development and advancement of career goals, including research mentorship, student supervision, optional courses, attendance at national and international meetings, and competition for independent fellowships and grants.

To apply, please send the following information:

- CV
- Cover letter with research interests, career goals, and anticipated start date
- Names and contact information for 2-3 professional references

Mark Goldberg, MD
Mark.Goldberg@utsouthwestern.edu

Professor of Neurology and Neurotherapeutics
Associate Vice-President, Institutional Advancement
Peter O'Donnell Jr. Brain Institute
UT Southwestern Medical Center
Dallas, Texas