



Rehabilitation Research Fellowship

**Polytrauma and Traumatic Brain Injury Research
at the DC VAMC and NRH**



Description: The PT/TBI Fellowship program is based at the Washington DC VA Medical Center (DC VAMC) and National Rehabilitation Hospital (NRH) in partnership with Georgetown University and Georgetown-Howard Universities Center for Clinical and Translational Science (GHUCCTS). Physical therapists with a clinical or research doctoral degree will be provided 2 years of in-depth training in advanced clinical research and care in polytrauma, TBI, and related disorders.

Potential Areas of Research: PT/TBI Fellows will collaborate with DC VAMC/NRH primary investigators to create a mentored research project. Research areas include:

- Neurophysiological effects of limb loss, TBI, stroke
- Motor control and learning after TBI
- Upper extremity (UE) kinematics with prosthesis use and functional performance
- TBI evaluation and screening for Veterans/detecting PTSD in Veterans with TBI
- Force control as a diagnostic tool for mild TBI
- Exercise, sleep, endocrine and cognitive function, and brain imaging, in TBI
- Efficacy of robotic UE training for veterans with TBI/ biomechanics of UE function following TBI

Training Highlights: Didactic training will be supported by the DC VAMC, the Georgetown Interdisciplinary Program in Neuroscience, and the GHUCCTS. The learning program will be individualized based on the academic preparation and interests of the fellow.

Requirements: Successful candidates will have a clinical and/or research doctoral degree, be U.S. residents, and have a current U.S. physical therapy license.

Application: Please contact PT/TBI Fellowship Deputy Director: Michael Harris-Love, MPT, DSc (Michael.Harris-Love@va.gov) for more information.