

The Department of Physical Medicine & Rehabilitation in the University of Pittsburgh School of Medicine, affiliated with the UPMC Children's Hospital of Pittsburgh, is recruiting candidates for a Postdoctoral Fellowship in Pediatric Brain Injury Research. Candidates are invited to apply for a 2-year postdoctoral fellowship position working with Principal Investigator, Dr. Amery Treble-Barna, PhD, with a start date in Summer or Fall 2023. The goal of the position is to train the fellow in the conduct of rigorous clinical and translational research in pediatric brain injury, with foci in any of the following areas:

- Social determinants of health, neurobehavioral recovery, and rehabilitation utilization
- Development and validation of a caregiver-report measure of rehabilitation utilization
- Biomarkers of neurobehavioral recovery, including genetic, epigenetic, and protein biomarkers; possibility for neuroimaging biomarkers
- Evaluating outcomes of clinical neuropsychology services

Projects can be pursued in pediatric traumatic brain injury and/or pediatric cardiac arrest.

Fellows will have the opportunity to:

- 1) Publish manuscripts from multiple pre-existing datasets
- 2) Contribute to and ultimately publish from data being collected for multiple NIH-funded studies
- 3) Collaborate on multi-institutional research projects, facilitating networking within the field
- 4) Pursue intra- and extra-mural grant funding with mentorship from the PI
- 5) Participate in fellowship didactic seminars and workshops focused on career development and preparing for faculty positions

Supervised clinical neuropsychology training hours and didactics are negotiable for candidates pursuing psychology licensure and/or clinical neuropsychology board certification.

Candidates interested in a fully remote position will be considered.

Research Program: Dr. Treble-Barna's research aims to account for unexplained heterogeneity in outcomes following pediatric brain injury with the long-term goal of moving the field towards precision medicine to improve individual prognostication, predict response to rehabilitation, and identify novel targets for treatment development. Her research program tackles this unexplained heterogeneity problem from several angles by investigating environmental (e.g. psychosocial adversity), genetic, epigenetic, and rehabilitation factors influencing neurobehavioral recovery.

Environment: The fellow will have the opportunity to interact and receive mentorship from multidisciplinary faculty from psychology and neuropsychology, psychiatry, critical care medicine, pediatrics, epidemiology, genetics and epigenetics, and biostatistics. Formal postdoctoral seminars and workshops are provided across the PM&R Department and the School of Medicine, with the goal of preparing fellows for the next steps of their career. Intramural funding opportunities are available to support fellow research projects. The University of Pittsburgh is an Affirmative Action/Equal Opportunity Employer and values equality of opportunity, human dignity, and diversity.

To Apply: Candidates must have obtained their doctoral degree by the start date. Candidates with doctoral degrees in Psychology/Neuropsychology, Neuroscience, Rehabilitation Science, Epidemiology, Statistics, or related fields are encouraged to apply. Salary is commensurate with NIH guidelines, and benefits are competitive. Interested candidates are invited to submit a cover letter and CV to amery.treble-barna@pitt.edu.