**DEPARTMENT OF VETERANS AFFAIRS**

**Palo Alto Polytrauma Clinical & Research Fellowship Program**

**Opportunities for Clinical or Non-Clinical Ph.Ds. are available for candidates with research interests in brain injury and aging using advanced techniques such as neuroimaging, neuromodulation, and the applications of novel approaches such as virtual reality to support rehabilitation and functional improvement.**

The Adamson Lab, situated at the Headache Center of Excellence, at the VA Palo Alto Healthcare Systems (VAPAHCS) in association with the Veterans Affairs (VA) Office of Academic Affiliations (OAA), is now accepting applications for a two-year unique Fellowship program for researchers (Ph.D./PsyD.) focused on translational neuroscience research following traumatic brain injury (TBI). Interested candidates are encouraged to apply as soon as possible. The fellowship can begin between the Winter 2021 and Spring 2022.

The fellowship site housed at the VA Palo Alto Rehabilitation Center is affiliated with the Department of Neurosurgery or the Department of Psychiatry and Behavioral Science at the Stanford School of Medicine. Fellows will focus on rehabilitation research in patients with TBI, that typically present with co-morbid conditions such as chronic pain, depression, post-traumatic stress disorder (PTSD), and cognitive impairment.

In collaboration with their mentors, fellows will learn to integrate advanced technologies to assist function recovery and/or advanced neuroimaging to enhance detection of injury-related sequalea. This translational neuroscience fellowship offers a unique opportunity to: receive training in diffusion tensor imaging (DTI), functional magnetic resonance imaging (fMRI), and voxel-based morphometry (VBM) from a team of experienced neuroimagers. In addition, fellow will garner experience on the application of innovative treatments such as repetitive transcranial magnetic stimulation (rTMS), low-intensity focused ultrasound (LIFU), and virtual reality (VR) for rehabilitation research.

Fellows will receive a firm grounding in research on brain injury, aging, and other health concerns in military and Veteran populations. They will develop and conduct studies that will create the foundation for future treatments and participate in the development of innovative therapeutic tools and novel assessment approaches in TBI. In addition, opportunities to explore projects in psychology, spinal cord injury, blindness rehabilitation, and receive mentorship from faculty at Stanford School of Medicine. In collaboration with their mentors, fellows will utilize the latest technologies for research to design and conduct their own research project, publish, and present findings, participate in grant writing, and

Candidates with a background in clinical psychology, neuroscience, cognitive neuroscience, computer science, and other specialty areas within emerging healthcare technologies are encouraged to apply. Preference will be given to candidates with experience in analyzing and interpreting brain injury data using neuroimaging software.

Additional details can be found at the Adamson Lab website adamsonlab.stanford.edu.

**Pre-submission Inquiries**

Informal inquiries prior to submission of application materials can be directed to Maheen M. Adamson, Ph.D., Fellowship Program Director at [madamson@stanford.edu](mailto:madamson@stanford.edu).

**Application Process**

1. **Eligibility**

Prior to commencing the fellowship, applicants must meet *all* of the following eligibility criteria:

1. Have completed a Ph.D. or PsyD accredited program
2. Not be enrolled simultaneously in any other fellowship
3. Be a U.S. citizen
4. Demonstrate interest in pursuing a VA career with P/TBI/SCI as a significant focus.
5. **Application**

To apply for the OAA Polytrauma Fellowship Program, applicants must submit a:

1. Letter confirming, they can fulfill the eligibility requirement
2. Personal statement describing their interest in the fellowship
3. Three letters of recommendation
4. Current curriculum vitae

Completed application should be submitted via email to the Fellowship Program Director at the VAPAHCS/Stanford Maheen M. Adamson, Ph.D., [madamson@stanford.edu](mailto:madamson@stanford.edu).

1. **Documentation**

Prior to the start of the fellowship, the selected candidate is required to produce all documents listed in Section A and:

1. Transcripts from all educational institutions

2. VA Form 10-2850d, “Application for Health Professions Trainees.”