

## **Cognitive Resilience Study: Full and Part-time Research Associate Opportunity**

**PURPOSE:** Military operational stress can come in many forms via the singular or combined effects of physical exertion, cognitive overload, sleep restriction, energy insufficiency, and emotional and psychological stress. The purpose of this study is to identify individual characteristics, physiological correlates, and neuropsychological metrics within military operation stress paradigms (caloric restriction, sleep loss, physical fatigue) to assess cognitive readiness and resiliency.

This is an ongoing study funded by the Department of Defense that involves physiological and cognitive testing at the Neuromuscular Research Lab in Southside (NMRL), a local Army Reserve base, and the Pitt Sports Dome. Subjects will go through 5 consecutive days of rigorous physical and mental testing, such as virtual reality of military stress scenarios, as well as collection of blood samples. This study will provide a unique opportunity to be exposed to a wide array of data collection and coordination with plenty of hands-on opportunities in a human performance research setting.

**DUTIES:** We are seeking motivated, hard-working, and dedicated research associates to assist our research team in a variety of ways:

- Assist in study iteration preparation and post-iteration data management:
  - Coordinate scheduling across multiple facilities
  - Preparing data collection forms and subject binders
  - Maintain accurate inventory of all supplies and equipment
  - Data extraction and organization following an iteration
- Assist with data collection during testing iterations:
  - Learn and assist with equipment in the NMRL, Army Reserve Base, and Sports Dome:
    - Body composition, VO2max treadmill test, simulated target shooting, and tactical mobility testing
  - Transporting research participants to various study locations
  - Administer computer and iPad testing
  - Data entry, extraction, and cleaning

Please send us a copy of your resume or CV to [cow29@pitt.edu](mailto:cow29@pitt.edu) if you are interested!

**Connor Wege**

Administrator

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