

### **Buffett Undergraduate Research Fellowship Opportunity**

*Neurological Disorders in the Republic of Guinea*

**Faculty Mentor:** Farrah Mateen, Professor, Feinberg School of Medicine

**Project Synopsis:** The Republic of Guinea in West Africa is home to more than 12 million people and 5 neurologists. The current work includes a cohort of >1000 people with epilepsy being studied for access to neurological care, smartphone-based electroencephalography, and outcomes related to optimizing epilepsy treatment with antiseizure medicines. An additional cohort studies point-of-care antibody testing for patients with spinal cord and visual disorders (i.e. paralysis and/or blindness) consistent with multiple sclerosis or neuromyelitis optica.

**Project Term:** Summer and Academic Year 2026

**Project Location:** In person, on campus and Republic of Guinea

**Job Description:** The student will help prepare study documents, perform background research, gather and analyze data, and write and edit. The student will have opportunities for field work as long as the university policies permit this field opportunity.

The Republic of Guinea is a francophone-predominant country. Although French is not a requirement to participate in this research, it is an asset for the student to have any knowledge of French.

**Time Commitment:** a full-time summer experience with flexible part-time work over the subsequent academic year (1 or 2 quarters).

**Number of available positions:** One