Summary of Position
A Senior Research Assistant V is needed to work in a neuroscience laboratory focused on Huntington disease—at the University of Alabama at Birmingham in the Center for Neurodegeneration and Experimental Therapeutics to perform electrophysiological studies of astrocyte and interneuron function in the striatum. This NIH funded position requires a candidate with expertise in mouse husbandry, mouse brain slice electrophysiology, mouse stereotaxic surgery, basic molecular biology, immunohistochemistry, data analysis using appropriate statistical methods and supervising others. These studies will use a transgenic mouse model of Huntington disease. The experiments will examine the interaction of astrocytes and interneurons in the striatum to determine their respective contribution to Huntington’s disease pathogenesis.

Candidate must able to perform experiments with a substantial degree of independence. The candidate’s background should be in biological sciences in areas in areas like neuroscience, genetics, or physiology with specific experience in research including but not limited to neurophysiology, astrocyte physiology, and astrocyte-neuron interactions.

Required experience/skills - At least 5 years of experience in a biomedical research laboratory, preferably in neuroscience/neurobiology, including experience with handling mice.

Preferred experience/skills – Excellent oral communication and organizational skills, the ability to use computer databases, immunohistochemistry, and rodent surgery.

Functions Performed
1. 85% - Perform stereotaxic surgery and slice electrophysiology
2. 15% - Train new staff on lab techniques.

Please submit your application including curriculum vitae and list of references through the UAB Careers website https://www.uab.edu/humanresources/home/careers. This job can be located by performing a keyword search of the job number T187312.

Contact Dr. Michelle Gray at mccgray@uabmc.edu for questions and inquiries.

The University of Alabama at Birmingham is a comprehensive metropolitan university, established in 1969 with the intention of building a major biomedical research institution. In its short history, it has become the top-ranked "young university" in the U.S. UAB is a Carnegie Class-I biomedical research organization, with current research funding of over $527 million per year. The majority of this funding, over $320M, is from NIH. The UAB School of Medicine ranks 19th nationally in terms of NIH direct cost funding.
UAB is the largest employer in the state of Alabama, supporting 64,292 jobs. With total revenues of $3.8 billion, UAB’s economic impact on the Alabama economy exceeds $7 billion annually. The university is situated on 83 square blocks on the ‘south side’ of Birmingham’s central business district and encompasses over 10 million square feet of assignable space. Enrollment is almost 22,000 students.

The university has been recognized multiple times for its diverse student population. Most recently, UAB was one of 14 universities in the country to win the 2018 Diversity Champion award. About 25% of UAB undergraduates are Black or African American, 3% Hispanic, and 4% multiracial.

UAB is an Equal Opportunity/Affirmative Action Employer committed to fostering a diverse, equitable and family-friendly environment in which all faculty and staff can excel and achieve work/life balance irrespective of, race, national origin, age, genetic or family medical history, gender, faith, gender identity, and expression as well as sexual orientation. UAB also encourages applications from individuals with disabilities and veterans.

For more information on Equal Opportunity and Affirmative Action at UAB, visit the UAB Office of Diversity, Equity and Inclusion or call (205) 934-8762. Or contact the office at 701 20th Street South, AB 336, Birmingham, AL 35294-0103.