Research Associate-Neuroscience/Neurotoxicology

Job Summary:

We are seeking an experienced, self-motivated, driven, and detail-oriented researcher to perform complex scientific research studies in a multi-disciplinary Neuroscience/Neurotoxicology lab and to participate in basic and translational research projects related to developmental neurotoxicology and neurodegenerative diseases.

Job Responsibilities:

- Plan and conduct molecular studies to examine alterations in epigenetic profiles and gene expression patterns in different brain regions following developmental neurotoxicant exposures and evaluate how these biological effects relate to the expression of cognitive and behavioral deficits in adulthood.
- Responsible for animal handling and working with animal tissues
- Participate in studies examining rodent behavioral responses.
- Perform studies of mechanisms contributing to neuroprotection in cellular and animal models relevant to Parkinson's disease.
- Participate in the identification of new research projects and research directions
- Maintain laboratory records in compliance with University and government guidelines and regulations.

Qualifications:

- A mature and motivated individual well-trained in areas of neuroscience, molecular biology, and cell biology.
- Expertise in protein, DNA and mRNA extractions; expertise in epigenetics (in particular, in studying methylation profiles) and experience in interpreting RNA sequencing data.
- Expertise in performing Western blotting studies and qRT-PCR studies.
- Expertise in animal handling and preferably, experience in performing rodent behavioral studies
- Expertise in working with experimental models of neurological disease.
- Expertise in performing cell culture studies and proficiency in microscopy.
- Ph.D. in Neuroscience or a related discipline with a strong background in epigenetics/molecular biology.

Interested candidates should send a cover letter describing their background and interest in the position and a CV including contact information for at least three references to: jay.schneider@jefferson.edu