

**General summary/purpose:**

Our laboratory is seeking a **Research Technologist** to work under the supervision of a Research Associate on a Bipolar Disorder Project studying the molecular mechanisms of the disease by utilizing genetically modified mice models and human-derived cell culture systems in behavior and physiological experiments.

**Primary duties and responsibilities of the job:**

- Responsible for mice colonies and database management, genotyping, PCR etc.
- Utilize these mice models for behavior and physiological experiments (e.g., live mouse brain recordings) by following established procedures.
- Dissection and preparation of mice brains for further study by utilizing histochemical techniques and microscopy.
- Utilize aseptic techniques to perform basic tissue/cell culture procedures, e.g., brain slice preparation for physiological studies, basic cell culture maintenance, media preparation etc.
- Prepare solutions and reagents.
- Perform specific data analysis under supervision by utilizing software like excel, ImageJ, other imaging software etc. as required.
- Perform miscellaneous general lab duties e.g., inventory, ordering, organization of lab etc.

**Minimum qualifications (MANDATORY):**

- Graduates including from winter term (December 2022/January 2023) welcome to apply with Bachelor's degree in biology, chemistry or related field
- Past experiences on basic molecular biology techniques and rodent husbandry/handling are appreciated and welcomed.

*All interested applicants may submit their CV to directly to Dr. Akira Sawa (asawa1@jhmi.edu).*

*Please also see the following link:  
<https://www.imindhopkins.org>*