

## **Postdoctoral Fellow in IBRI Diabetes Center**

### **Job Summary**

A postdoctoral fellow position at the Indiana Biosciences Research Institute is available in the IBRI Diabetes Center. We are looking for a highly motivated researcher to join the IBRI in a recently established lab for Dr. Jonathan Flak. The goal of this lab is to make progress in obesity and diabetes treatment by understanding the neural mechanisms that control energy expenditure and glucose homeostasis.

The selected candidate will participate in a team working with mouse models for diabetes and obesity, surgical techniques to target groups of cells in the brain, study of these mice following treatment, and developing new molecular tools. A strong understanding of neuroscience, metabolism, glucose homeostasis, and/or molecular biology is desired. The selected candidate will be excited and motivated to help develop the research program for the lab. Experiments will involve a combination of bench work, animal work, and surgical techniques.

### **Responsibilities and Duties**

Primary responsibilities include:

- Develop and conduct state of the art scientific experiments with mouse models of disease, initially with supervision and then progressively independent work, including:
  - Conventional PCR and qPCR Genotyping
  - Mouse colony management
  - Immunohistochemical approaches on mouse CNS tissue
  - Surgical approaches, especially CNS-driven, on mice to study obesity and diabetes
  - Conduct glycemic and metabolic experiments in mice
- Accurately document and publish research findings
- Actively support applications for grants and sponsored research funding proposals

### **Qualifications and Skills**

Specific skills and qualifications for the position include:

- Applicant must be hard working, highly motivated, well organized, and able to work with minimal supervision in small group setting.
- Must possess good team skills and be able to efficiently multi-task.
- Must be comfortable working independently in a laboratory setting.
- Meticulous attention to detail, ability to organize well, ability to prioritize and manage time are crucial skills for this position.
- This job requires quantitative skills, the ability to work efficiently, the ability to follow instructions, and maintenance of a reliable and flexible work schedule.
- PhD in Neuroscience, Physiology, or a related field is required

- Must possess basic experience in general biological laboratory work (protein, DNA/RNA, and cell-based techniques)
- Previous animal handling and research at the bench are required.
- Experience in neuroanatomy or whole animal physiology is desired
- Experience with managing a mouse colony is a plus
- Experience with molecular biology is a plus

Interested individuals may apply at <https://www.indianabiosciences.org/careers/> and are encouraged to provide a brief letter stating your accomplishments and interest in the lab's research, curriculum vitae, and a list of three references.

### **Compensation**

NIH scale plus benefits

### **The Organization**

The Indiana Biosciences Research Institute (IBRI) is the first industry-inspired applied research institute focused on the discovery and development of innovative solutions to address major health concerns. Our initial focus areas include diabetes, cardio-metabolic disease, and poor nutrition. IBRI is structured as an independent, non-profit organization strategically positioned in Indianapolis: the center of Indiana's vibrant life sciences network of innovators including corporations, academics, and foundations.

IBRI is building an organization of premier entrepreneurial researchers and innovators. We are motivated to create discoveries that transform into solutions that positively impact people's lives. Our mission of "Discovery with Purpose" prioritizes recruiting exceptional talent, building a highly-collaborative culture, and establishing a diverse portfolio of projects and programs supported by industry, government, and philanthropic sources.