

Postdoctoral Researcher in IBRI Diabetes Center

Don't just research...**Discover!**

We are Indiana Biosciences Research Institute (IBRI). We deliver research that has a meaningful impact on the lives of people through new solutions that address diabetes, cardiometabolic diseases and poor nutrition. Working at the IBRI means being part of a team of renowned scientists who are helping to improve Hoosier health. It also means you are not alone. In addition to your experienced team members, you have collaborators from the Indiana life sciences ecosystem.

Our colleagues bring diverse ideas and experiences to our work, are dedicated to living out our mission every day and are passionate about their research. So passionate that it often carries out into the community through work with JDRF, volunteering at local nonprofit organizations and helping to educate the next generation of scientists.

The IBRI's vision is to build a world-class organization of researchers, engineers and business professionals that catalyze activities across the Indiana (and beyond) life sciences community. To achieve that vision, we look for curious and collaborative team members who are energized by innovation, guided by integrity and inspired by diversity.

The Opportunity:

A **Postdoctoral Researcher** position is available at the IBRI Diabetes Center in the laboratory of Dr. Jonathan Flak. The research focus of the Flak Lab is to progress diabetes and obesity 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 distinct treatments, and developing new molecular tools. A strong understanding of neuroscience, metabolism and/or glucose homeostasis is desired. A background in molecular biology would be a plus. 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:

- 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
 - Glycemic and metabolic experiments in mice
- Accurately document and publish research findings.
- Actively support applications for grants and sponsored research funding proposals.

Qualifications:

- PhD in Neuroscience, Physiology or a related field is required.
- Relevant experience in general biological laboratory work (protein, DNA/RNA and cell-based techniques) is required.
- Experience in animal handling and research at the bench is required.
- Experience in neuroanatomy or whole animal physiology is a plus.
- Experience with managing a mouse colony is a plus.
- Experience with molecular biology is a plus.

Compensation:

NIH salary scale plus benefits.

Equal Employment Opportunity:

The IBRI provides equal employment opportunities to all employees and applicants and does not discriminate on the basis of age, race, color, religion, gender, sexual orientation, gender identity, gender expression, national origin, protected veteran status, disability or any other legally protected status.

Apply:

Please visit us at <https://www.indianabiosciences.org/careers/> to learn more and/or apply for this opportunity. Interested individuals are encouraged to provide a brief letter stating their accomplishments and interest in the lab's research, curriculum vitae and a list of three references with their application.