

Research Associate / Research Technician in IBRI Diabetes Center

We are the Indiana Biosciences Research Institute (IBRI). We are a leading translational research institute that advances academic and industry science through collaboration to improve patient health outcomes. Building your career at the IBRI in Indianapolis' 16 Tech Innovation District, means being part of a team of renowned scientists, creative thinkers and innovative leaders.

Today's research is being driven by significant advances in our abilities to study complex disease processes and propose new ways to improve patients' lives. To reflect the evolving nature of life sciences research and encourage synergies through collaboration, we're enhancing our integrated capabilities, adding depth to how we approach patient-informed translational science and pursuing four foundational areas of scientific focus. These four areas will provide us the core talent and capability to pursue translational science in this new patient-centric framework:

- **Disease, Systems, Pathways** – We're working to better understand diabetes and identify new ways to combat the disease. We're applying this learning to other diseases that share common systems and pathways.
- **Molecular Innovation** – We're developing new capabilities for molecular design and drug discovery to investigate disease processes and pursue new therapeutic approaches.
- **Integrated Data Sciences** – We're pursuing advanced data sciences to create novel end-user inspired solutions that address complex analysis, simulation and prediction across the translational sciences.
- **Enabling Technologies** – We're building a rich platform of enabling technologies that give our scientists, partners and collaborators access to the best tools to solve complex scientific problems.

The IBRI's vision is to build a world-class organization of researchers, innovators 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 **Research Associate/Research Technician** opportunity is open at the IBRI Diabetes Center in the laboratory of Jonathan Flak, PhD. 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 base understanding of neuroscience, metabolism, and/or glucose homeostasis is preferred from the candidate. Molecular biology, western blot, or mouse colony management experience would be a plus. The selected candidate will help run experiments, manage the mouse colony, and conduct metabolic studies in the core facility.

Responsibilities:

- Develop and conduct scientific experiments working with supervision and independently as projects develop including, but not limited to:
 - Manage the mouse colony
 - Genotyping
 - Immunohistochemistry
 - Animal (mouse) studies including conducting metabolic studies in the core facility.
 - Protein (e.g. Western blot) and mRNA (e.g. qPCR) analyses from tissue
- Accurately document research findings and assist in preparation of data for publication, presentations and grant funding applications.
- Work with the team to maintain the supplies, equipment and institutional requirements for safety and lab operations.
- Recover tissue from live animals and process samples for protein and mRNA analysis.
- The individual will be expected to work a full-time schedule, including night and weekend hours when necessary.

Qualifications:

- BS or MA/MS in Neuroscience, Physiology, Biology, Biochemistry, or related field is required.
- Minimum 1 year of employment experience in general biological laboratory work (bench and/or whole animal physiology) is required.
- Meticulous attention to detail, organization skills, and ability to prioritize and manage time are crucial skills for this position.
- Applicant must be hard working, highly motivated, 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.
- Quantitative skills, the ability to work efficiently, the ability to follow instructions, and ability to maintain a reliable and flexible work schedule are required.
- Experience in neuroanatomy or whole animal physiology is a plus.
- Experience with molecular biology is a plus.
- Experience managing a mouse colony is a plus.

Compensation:

Competitive salary and comprehensive benefits offered, commensurate with experience.

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 cover letter stating their motivation, accomplishments and interest in the lab's research, curriculum vitae, and a list of three references with their application.