

Research Associate / Research Technician in the Lilly Diabetes Center of Excellence at the IBRI

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

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 available in the Lilly Diabetes Center of Excellence at the IBRI in the laboratory of Andrew Templin, PhD. This lab aims to uncover novel mechanisms of diabetes pathogenesis related to islet immune responses and beta-cell death, and ultimately, to use this information to develop new treatments for diabetes. The selected candidate will be part of a team that works with mouse models of islet inflammation, diabetes and obesity. They will perform mouse colony management, run experiments and develop lines of research with support from Templin and colleagues. This work includes *in vivo* studies to assess the metabolic and morphologic changes that occur in the animal models under investigation, and *in vitro* studies examining novel beta cell death signaling pathways.

Responsibilities:

- Develop and conduct state-of-the-art scientific experiments, working independently and with supervision as projects require, including:
 - Management of the mouse colony
 - Genotyping
 - Immunohistochemistry
 - Metabolic testing of mouse models
- Accurately document research findings and assist in preparation of data for use in scientific publications and grant funding applications.
- Work with the team to maintain the supplies, equipment and institutional requirements for safety and lab operations.

Qualifications:

- BS or MA/MS in Cell Biology, Physiology, Biology, Biochemistry or related field is required.
- Experience working with mouse models is required.
- Minimum one (1) year of experience in a research lab (bench or animal work) is required.
- Meticulous attention to detail, ability to organize well, ability to prioritize and manage time are required.
- Quantitative skills, the ability to work efficiently, the ability to follow instructions and maintenance of a reliable and flexible work schedule are required.
- Must be hard working, highly motivated, well organized and able to work with minimal supervision in a small group setting.
- Must be a team player and be able to efficiently multi-task.
- Must be comfortable working independently in a laboratory setting.
- Experience with cell and molecular biology is preferred.
- Experience managing a mouse colony is preferred.

Compensation:

Competitive salary and comprehensive benefits offered, commensurate with experience.

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.