

Part-Time Assistant Research Associate in the Lilly Diabetes Center of Excellence at the IBRI

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

We are the Indiana Biosciences Research Institute (IBRI), 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 **Part-Time Assistant Research Technician** opportunity is available in the Lilly Diabetes Center of Excellence at the IBRI in the laboratory of Andrew Templin, PhD. The Templin Lab is actively identifying and characterizing novel mechanisms of β -cell death and evaluating the relevance of these forms of β -cell death to diabetes pathogenesis. Ultimately, this information will be leveraged to develop new approaches for the prevention or treatment of diabetes. The selected candidate will be part of a team that uses genetic and small molecule approaches to characterize novel β -cell death signaling molecules. They will perform cell culture, qRT-PCR, immunoblot and caspase activity assays to support lines of research underway in the Templin Lab. This work may also include *in vivo* studies to assess the metabolic and morphologic changes that occur in the animal models of diabetes. The selected candidate will work up to 20 hours per week.

Responsibilities:

- Support, develop and conduct state-of-the-art scientific experiments, working independently and with supervision as projects require, including:
 - Cell culture
 - Cell death assays
 - RNA/protein expression assays
 - Immunohistochemistry
- 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 needed for safe lab operations.
- Perform *in vitro* assays including cell culture, qRT-PCR, immunoblot analysis and other quantitative assays.
- Assist with assays to characterize metabolic phenotypes and tissue morphology using animal models of diabetes.

Qualifications:

- Previous coursework in Cell Biology, Physiology, Biology, Biochemistry or related field is required.
- Previous experience working in a research laboratory is required.
- Meticulous attention to detail, ability to organize well, ability to prioritize and manage time are required.
- The ability to work efficiently, follow instructions and maintain a reliable work schedule are required.
- Must be hard working, highly motivated, well organized and able to work with supervision in a small group.
- Must be a team player and be able to multi-task.

Compensation:

Hourly compensation 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, interest in the lab's research, and curriculum vitae with their application.