

Research Associate / Research Technician in Kalwat Lab (IBRI Diabetes Center)

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:

An **Assistant Research Associate or Research Associate** opportunity is available at the IBRI Diabetes Center in the recently established laboratory of Dr. Michael Kalwat. The Kalwat Lab investigates the molecular mechanisms of insulin secretion using cell biological, genetic and pharmacological approaches.

The position involves performing experiments at the bench, as well as laboratory management. You will work with *in vitro* and *ex vivo* models of pancreatic islet cell types, learn to perform an array of phenotypic assays and molecular biology techniques, and maintain multiple cell lines and primary rodent and human islet tissue in culture.

Responsibilities:

- Manage multiple distinct cell lines/tissues in tissue culture.
- Hormone secretion and cell function assays (e.g., luciferase assays, ELISA/HTRF, calcium influx, gene expression).
 - Development of CRISPR-based screening tools.
- Stay organized and accurately document results electronically.
 - Assist in preparation of data for publication, presentations and grant funding applications.
 - Communicate results regularly via email/online cloud applications.
- Work with the team to maintain the supplies, equipment and institutional requirements for safety and lab operations.
- Maintain a reliable work schedule and participate in weekly/monthly IBRI meetings.

Qualifications:

- Bachelor's or Master's in Cell Biology, Biochemistry or closely related field is **required**.
- Experience in a research position with tissue culture and wet lab bench work is **required**.
- Molecular biology (bacterial culture, DNA preps, PCR) and mammalian cell culture experience **highly preferred**.
- Proficiency in Microsoft Office (Word, PowerPoint, Excel) is **required**.
- Learn new techniques quickly and have ability to troubleshoot technical problems.

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