

Research Associate / Research Technician 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 life sciences community and beyond. 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 at the IBRI Diabetes Center in the recently established laboratory of Dr. Michael Kalwat. The Kalwat Lab investigates the molecular mechanisms regulating secretion from specialized cell types, with a focus on pancreatic islet cells. Defects in regulated secretion are implicated in multiple diseases, including diabetes. A better understanding of their function is necessary to advance therapies.

The position requires performing research and laboratory management. The qualified individual will work with *in vitro* and *ex vivo* models of neuroendocrine secretory cell types, learn to perform an array of phenotypic assays and molecular biology techniques, and maintain multiple cell lines and primary rodent and human tissue in culture.

Responsibilities:

- Manage multiple distinct cell lines in tissue culture.
- Development of CRISPR-based screening tools.
- Hormone secretion and cell function assays (e.g., luciferase assays, ELISA/HTRF, calcium influx, gene expression).
- Accurately document results electronically and 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.

Qualifications:

- BS or MA/MS in Physiology, Chemistry, Biology, Biochemistry or related field is required.
- A few years in a dedicated research position with wet lab bench experience is required.
- Molecular biology (bacterial culture, PCR, DNA preps, interpreting DNA sequencing) and mammalian cell culture experience is preferred.
- Proficiency in Microsoft Office (Word, PowerPoint, Excel) is required; GraphPad Prism is preferred.
- Learn new techniques quickly and have ability to troubleshoot technical problems.
- Ability to work efficiently and follow instructions.
- Well-organized, keep detailed electronic notes, good time management and communication skills.
- Experience meeting via Zoom/Microsoft Teams is expected.
- Maintenance of a reliable work schedule required, weekly team meetings.
- Experience in diabetes or whole animal physiology is preferred.
- Interest in bioinformatics is preferred.

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.