

## 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 (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 at the IBRI Diabetes Center in the recently established laboratory of Dr. Erica Cai. The research focus of the Cai Lab is the molecular mechanisms that protect beta cells against autoimmune destruction and cellular stress-induced apoptosis, as well as the identification of genetic risk factors for type 1 diabetes prevention.

The selected candidate will participate in a team working with beta cell lines and diabetic mouse models, performing DNA/RNA/protein purifications, advanced molecular biology techniques and developing new molecular biology protocols.

The selected candidate will help run experiments, manage the laboratory inventory and develop lines of research with support from Dr. Cai. Self-motivated individuals with experience in virus production, gene editing and bioinformatics are highly encouraged to apply.

### **Responsibilities:**

- Develop and conduct scientific experiments working with supervision and independently as projects develop including, but not limited to:
  - Molecular biology
  - Gene editing and CRISPR screening
  - Virus production and delivery
  - Mammalian cell culture system
  - Mouse studies
- 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.
- Maintain a reliable work schedule.

**Qualifications:**

- BS or MA/MS in Molecular/Cellular Biology, Genetics, Biochemistry or related field is **required**.
- Minimum two years of experience in a research lab (bench and/or whole animal physiology) is **required**.
- Must be hard working, highly motivated, well organized and able to work with minimal supervision in a small group setting.
- Good communication skills and a team player.
- Must be comfortable working independently in a laboratory setting.
- Proficiency in Microsoft Office (Word, PowerPoint, Excel) is **required**.
- Experience with GraphPad Prism is a plus.
- Experience with CRISPR technology and gene editing is preferred.
- Experience with viral works is preferred.
- Experience with animal works is preferred.
- Experience with R or Python program 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 cover letter stating their motivation, accomplishments and interest in the lab's research, curriculum vitae, and a list of three references with their application.