

## Research Associate/Research Technician Positions 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:**

**Two Research Associate/Research Technician** opportunities are available at the IBRI Diabetes Center in the recently established laboratory of Dr. Li Zhang. The Zhang Lab investigates the pathogenesis and interventions for type 1 diabetes, with a focus on the disease-related antigen specific immune interventions to postpone or reverse the progression of diabetes.

The selected candidates will participate in a team working with rodent and human studies, testing functions of proteins and cells using cell lines, primary cells/organs in lab culture system and mouse strains. The qualified individuals will work with Dr. Zhang, other team members and collaborators to receive necessary trainings, analyze data and prepare reports. Self-motivated applicants with experience in cell culture, antibody functional measurement, histology and mouse models are highly encouraged to apply. The positions require performing research and limited laboratory management (such as lab supplies purchasing and organization).

### **Responsibilities:**

- Characterize candidate antibodies or antibody-based potential drugs, evaluate their abilities to modulate diabetes and disease-causing inflammation in vitro and in vivo.
- Generate, expand and perform cell-based assays with primary cells and engineered cells such as CAR-T cells and B cell hybridomas.

- Perform mouse husbandry, breeding, collect blood and organ samples.
- Perform other assays on-demand such as IF & IHC staining histology assays.
- Accurately document notes, the experimental methods and results.

**Qualifications:**

- BS or MA/MS in Immunology, Biology or a related field is required.
- Minimum of two (2) years of relevant lab experience is required.
- Strong skills in cell culture and protein assays/handling are required.
- Experience with in vivo animal models is preferred.
- Experience and skills in immunology field, flow cytometry, cell-based function assays and diabetes are preferred.
- Relevant experience in molecular biology is a plus.
- Proficiency in Microsoft Office (Word, PowerPoint, Excel) is required; Flowjo and GraphPad Prism is a plus.
- Must be well-organized, keep detailed electronic notes, be open to learning new techniques, and have strong time management and communication skills.

**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.