

Assistant Research Associate Position in the IBRI Diabetes Center

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 with the core talent and capability to pursue translational science in this new patient-centric framework:

- **Disease, Systems, Pathways** – We're working to understand diabetes better and identify new ways to combat the disease. We're applying this learning to other conditions 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** position is available at the IBRI Diabetes Center in the laboratory of Dr. Li Zhang. The Zhang Lab investigates the pathogenesis and immune therapies for type 1 diabetes, with a focus on disease-related antigen-specific antibody therapies and cellular therapies to postpone or reverse the progression of diabetes.

The selected candidate will work with Dr. Zhang, other team members, and collaborators. The main research activities include mouse and human cell cultures, running protein and antibody functional assays, molecular work, and in vivo mouse works. The selected candidate will be provided with online and hands-

on training, collect and analyze data, and prepare reports. Self-motivated applicants with experience in cell culture and mouse husbandry are highly encouraged to apply. This position requires performing research and limited laboratory administrative duties (such as purchasing lab supplies).

Responsibilities:

- Assist and perform cell-based assays with primary cells and cell lines, in vivo and in vitro experiments.
- Assist and process tissue samples collected from humans or rodents and run functional assays.
- Mouse genotyping using PCR and flow cytometry method, mouse husbandry, tattoo and ear tag, blood glucose test and body weight measurement.
- Assist and perform mouse organ isolation and cell preparation.
- Accurately document notes, the experimental methods and results.

Qualifications:

- BS or MA/MS in Biology or a related field is required.
- Having wet lab experience.
- Has been exposed to cell culture work.
- Being willing to work with mice and receive training.
- Proficiency in Microsoft Office (Word, PowerPoint, Excel) is required.
- Be open to learning new techniques.
- Good organizational skills and communication skills are required.

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 www.indianabiosciences.org/careers to learn more and/or apply for this opportunity. Interested individuals are encouraged to provide their CV/resume and a brief cover letter with their application.