

Research Associate / Assistant Research Associate 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 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:

A **Research Associate/Assistant Research Associate** opportunity 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 the disease-related antigen-specific antibody therapies and cellular therapies to postpone or reverse the progression of diabetes.

The selected candidate will participate in a team working with rodent and human studies, testing functions of proteins and cells using cell lines, primary cells/organs in the lab culture system and mouse strains. The individual will work with Dr. Zhang, other team members and collaborators, receive the

necessary training, analyze data and prepare reports. Self-motivated applicants with experience in cell culture, antibody functional measurement and mouse models are highly encouraged to apply. The position requires performing research and limited laboratory administrative duties (such as lab supplies purchase and organization). The final title, research associate or assistant research associate depends on the experience and qualifications of the candidate.

Responsibilities:

- Perform cell-based assays with primary cells and cell lines, in vivo and in vitro experiments.
- Process tissue samples collected from human or rodents.
- Perform mouse husbandry and breeding and collect blood and organ samples.
- Perform other assays on-demand such as histology assays such as IF & IHC staining.
- Accurately document notes, the experimental methods and results.

Qualifications:

- BS or MA/MS in Immunology, Biology, or a related field is required.
- Minimum of one year of relevant lab experience is required.
- Skills in cell culture and protein process are required.
- Experience with in vivo animal models is preferred.
- Experience and skills in the immunology field are preferred.
- Proficiency in Microsoft Office (Word, PowerPoint, Excel) is required.
- Must 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.