

## Research Associate position at the IBRI Pharmaceutical Biotechnology Center Biochemistry, Cell Biology and Protein Purification

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 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** opportunity is available in the Pharmaceutical Biotechnology Center (PBC) at the Indiana Biosciences Research Institute. We are looking for a highly motivated individual to join the PBC.

The PBC is focused on translational research and the development of products for public health and bio-preparedness (novel protein therapeutics and vaccines) in collaboration with regional and global partners. The PBC has established three well-equipped functional groups bridging biotherapeutics development from inception to clinical trials.

- Target and Therapeutic Discovery Group is focused on molecular biology, including all aspects of gene design and vector construction.
- Protein Optimization and Developability Assessment Group is focused on the characterization and optimization of the target molecule as it matures into a clinical product.
- Process Development and Protein Production Group supports stable cell-line development, develops scalable process for protein purification, produces bulk product and establishes assays for release and monitoring of bulk product.

The selected candidate will join the Process Development and Protein Production Group.

### Responsibilities:

- Conduct laboratory research to support one or more biotherapeutic programs.
- Must be highly competent and work independently at the bench to carry out experimental procedures in one or more of the following:
  - Express and purify candidate therapeutic proteins, including antibodies.
  - Biochemical characterization of such proteins.
  - Cell-based functional assays for screening of antibodies for various functions.
  - Developing processes for protein purification and production of therapeutic proteins for in vivo and in vitro characterization.
- Accurately document the experimental methods and results to support publication, grant submissions and regulatory work.

### Qualifications:

- BS or MA/MS in Cell Biology, Immunology, Biochemistry or a related field is required.
- Strong written and verbal communication skills.
- Ability to work in a multidisciplinary team environment.
- Minimum of two (2) years of relevant lab experience is required.
- Must possess basic research experience in general biological laboratory work (protein, DNA/RNA, and cell-based techniques).
- Protein expression in mammalian systems (microbial expression experience a plus).
- Process development and protein purification.
- Protein characterization, including quantification, conformation/aggregation and purity assessments.
- Protein activity studies, including binding affinity and enzyme activity studies.
- Experience with AKTA and HPLC systems, cell-based protein activity studies and familiarity with assay validation for routine studies during the course of a target research program.

### Values:

- **Collaboration:** The ability to develop, maintain and strengthen partnerships with others inside or outside the organization who can provide information, assistance and support.
- **Teamwork:** The ability and desire to work cooperatively with others on a team, and/or fostering an environment where groups effectively work together.
- **Innovation:** The ability to develop, sponsor or support the introduction of new and improved methods, products, procedures or technologies.
- **Integrity:** Acting in a manner perceived as responsible, reliable and trustworthy.
- **Inclusion:** Acting with fairness, respect, inclusiveness, empathy, integrity and ethical conduct.
- **Flexibility:** Openness to different and new ways of doing things, willingness to modify one's preferred way of doing things.

**Compensation:** Competitive salary and comprehensive benefits offered, commensurate with experience.

**Apply:** Please visit us at <https://www.indianabiosciences.org/careers/> to learn more and/or apply for this opportunity.