

Research Analyst: Biochemistry and Cell Biology

Job Summary

Research Analyst positions are available with the **Pharmaceutical Biotechnology Center** at the Indiana Biosciences Research Institute. Up to six positions will be filled by energetic and team-oriented laboratory researchers who possess critical basic laboratory skills and strong biomolecular scientific backgrounds, and who are also capable of quickly learning new research skills.

Responsibilities and Duties

Primary responsibilities include:

- 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 and analyze and interpret the results of experimental approaches and data analyses 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 internalization, receptor degradation, and functional receptor-ligand blockade
 - Pilot production of therapeutic proteins for *in vivo* studies to characterize efficacy, PK/PD and ADME properties
- Accurately document the experimental methods and results to support legal and regulatory filings

Qualifications and Skills

Specific skills and qualifications for the position include:

- BS or MA/MS in Cell biology, Immunology, Biochemistry or a related field is required
- 3-5 years of relevant research experience is highly preferred
- Must possess basic research experience in general biological laboratory work (protein, DNA/RNA, and cell-based techniques)
- Must possess strong skills in at least one of the following, additional areas of experience are preferred:
 - Protein expression and basic purification in mammalian systems, microbial expression experience a plus
 - Protein characterization, including quantification, conformation/aggregation, and purity assessments
 - Protein activity studies, including binding affinity and enzyme activity studies
 - Experience with SPR ('BiaCore')
 - Experience with flow cytometry
 - Cellular *in vitro* protein activity studies, including therapeutic protein activity in cellular models, particularly in diabetes, liver fibrosis and immunology models

- Familiarity with assay validation for routine studies during the course of a target research program
- Experience in pilot protein production
- Skilled in written and verbal communication
- Able to work in a multidisciplinary team environment

Interested individuals should apply online and include a cover letter.

Compensation

Competitive salary and comprehensive benefits offered, commensurate with experience.

The Organization

The Indiana Biosciences Research Institute (IBRI) is the first industry-inspired applied research institute focused on the discovery and development of innovative solutions to address major health concerns. Our initial focus areas include diabetes, cardio-metabolic disease, and poor nutrition. IBRI is structured as an independent, non-profit organization strategically positioned in Indianapolis: the center of Indiana's vibrant life sciences network of innovators including corporations, academics, and foundations.

IBRI is building an organization of premier entrepreneurial researchers and innovators. We are motivated to create discoveries that transform into solutions that positively impact people's lives. Our mission of "Discovery with Purpose" prioritizes recruiting exceptional talent, building a highly-collaborative culture, and establishing a diverse portfolio of projects and programs supported by industry, government, and philanthropic sources.