

Staff Scientist in Protein Expression and Biochemistry

Job Summary

A research **Staff Scientist** position at the Indiana Biosciences Research Institute is available in the Center for Pharmaceutical Biotechnology. We are looking for a highly motivated researcher to join the IBRI and help launch and develop a new program in therapeutic development. This program will work with academic and industrial partners on novel and emerging therapeutic and diagnostic opportunities, primarily focused in diabetes, cardiometabolic and autoimmune disorders.

We are specifically looking for someone to help lead and run the protein expression core for therapeutic and diagnostic recombinant protein development. This will include development and engineering of cell lines or transient expression systems to express recombinant proteins. Expression systems will include microbial and mammalian platforms. Work will include protein and cell line characterization and, potentially, engineering of the protein to optimize activity, stability and expression level. Small and mid-scale (10-25 liter) capacity systems will be required. Initially, this staff scientist may manage 1-2 research associates and will work in a matrixed team of other small groups to support projects as needed. Strong experience in disease biology is important, either in academic or industrial settings, as the scientist will be part of the team that leads the diagnostic and therapeutic development program, meeting and developing collaborations with internal and external partners.

Responsibilities and Duties

Primary responsibilities include:

- Develop and conduct state of the art scientific experiments with minimal supervision including:
 - Development of upstream processes for microbial and/or mammalian cell culture
 - Cell line development and characterization for recombinant protein expression
 - Recombinant protein expression, purification and characterization
 - Cell-based assays for functional characterization.
- Accurately document and publish research findings
- Manage the technical, budgeting, and scheduling aspects of research projects
- Actively support applications for grants and sponsored research funding proposals.

Qualifications and Skills

Specific skills and qualifications for the position include:

- PhD in Biology, Biotechnology, Immunology, Biochemistry or a related field is required
- Strong skills in cell culture, recombinant protein expression (including vector development), characterization and engineering are required
- Strong experience in disease biology
- Ability to work in a team oriented fashion

- At least three years of post-doctorate experience
- Additional skills in cell biology, QA and QC are preferred.

Interested individuals should apply online and include a cover letter.

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.