

Staff Scientist: Cell Biologist

Job Summary

A **Staff Scientist** position is available with the **Pharmaceutical Biotechnology Center** at the Indiana Biosciences Research Institute. The position will support the therapeutic protein development programs within the center by developing cellular assays to characterize and measure activity of bioactive compounds (including therapeutic proteins and antibodies) in cellular assays. Programs will be in several therapeutics areas, with an emphasis in Type 2 diabetes and immunology. The position will require the scientist to be an energetic and team-oriented laboratory researcher with critical basic laboratory skills and a strong biomolecular scientific background, and who is also capable of quickly learning new research skills. The position will be largely laboratory-based and will require the capacity to plan and execute experiments directly, as well as support a small team of laboratory associates. A strong understanding of disease biology and antibody structure-function relationships is important as this individual will work closely with other scientists on the team to help guide protein engineering and optimization strategies. The selected individual will also contribute to the development of therapeutic program ideas, meeting and developing collaborations with internal and external partners.

Responsibilities and Duties

Primary responsibilities include:

- Conduct laboratory research to support several biotherapeutic programs simultaneously through direct laboratory research and through working with one or more associates
- 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 most of the following (remaining skills will need to be developed to become a fully functioning member of the team):
 - Cell biology, including culture of cell lines and primary cells.
 - Characterize therapeutic proteins including antibodies
 - Develop cell-based functional assays to screen antibodies for internalization, receptor degradation, and functional receptor-ligand blockade
 - Utilizing fluorescence microscopy and screening-scale imagers (High Content Imaging) to develop validated assays for cellular activity
 - Utilizing flow cytometry to develop cellular assays supporting therapeutic programs
- Accurately document the experimental methods and results to support legal and regulatory filings
- 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:

- Ph.D. in Cell biology, Immunology, Biochemistry or a related field is required
- 3-5 years of relevant postgraduate research experience is highly preferred

- Experience in a majority of the experimental approaches described above
- Experience in the following areas are beneficial:
 - Experience in pilot protein production
 - Experience in in vivo models
- 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.