

Staff Scientist: Biotherapeutic Lead Identification

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 a new program in therapeutic development. This program will work with academic and industrial partners to develop biologic therapies (monoclonal antibodies, proteins, vaccines), primarily focused in diabetes, cardiometabolic and autoimmune disorders.

The selected candidate will lead a team responsible for the development and application of cell based and immunological assays to characterize cellular targets and monoclonal antibody/biological lead candidates. 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:

- Develop and conduct state of the art scientific experiments with minimal supervision including:
 - Cell isolation/culture
 - Develop cell-based functional assays for screening of antibodies for internalization, receptor degradation, and functional receptor-ligand blockade
 - Characterize antibodies in primary cell-based assays to evaluate effector function, cytokine release and proliferation
 - Development of immunoassays/ligand binding assays
- 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 Cell biology, Immunology, Biochemistry or a related field with 3-5 years of experience
- Strong skills in cell isolation/ culture is required
- Extensive experience in developing cellular and/or immunological assays is required
- Experience with flow cytometry and SPR is required
- Experience with *in vivo* animal models is a plus

Interested individuals should apply online and include a cover letter.

Compensation

Competitive salary and comprehensive benefits offered.

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.