

Job Opening and Position Description

Title Research Associate I/II

Reporting Reports to VP, Manufacturing and Product R&D

Position Summary Akston is looking for a highly motivated and energetic Research Associate I/II to join our dynamic and diverse R&D team. In this role, you'll play a key part in supporting our efforts to develop innovative biologic therapies. The ideal candidate will collaborate closely with cross-functional teams, translating strategic goals into actionable plans. Experience with biological entities (e.g., fusion proteins and monoclonal antibodies) is essential. A background in analytical chemistry, biochemistry, biotechnology, chemical biology, chemical engineering, molecular biology or related fields is highly desirable.

Responsibilities – Primary

Protein Purification

- Purify proteins using a variety of chromatography techniques including, but not limited to, affinity chromatography, ion exchange chromatography, multi-modal chromatography.
- Implement protein purification strategies to meet the required specifications for therapeutic candidates, ensuring the removal of aggregates, host cell proteins, host cell DNA, etc.
- Identify and evaluate opportunities for process improvements to enhance efficiency and outcomes.
- Contribute to the preparation of Standard Operating Procedures (SOPs), technical reports and study reports.

In vitro Characterization of Proteins

- Perform in vitro assays, including Enzyme-Linked Immunosorbent Assays (ELISA), to assess compound interactions and biological activities.
- Design and optimize assays to assess compound potency, and mechanism of action.
- Develop and conduct experiments to evaluate the pharmacokinetic (PK), pharmacodynamic (PD), and toxicological profiles of compounds and analyze the resulting data.
- Contribute to the formulation of therapeutic candidates as needed.
- Deliver accurate and timely data to meet project deadlines and support ongoing scientific investigations.

Responsibilities – Other

- Maintain accurate and comprehensive records of experimental data and procedures in compliance with established guidelines.
- Work both independently and collaboratively with cross-functional teams to advance drug discovery projects.
- Demonstrate the ability to analyze and interpret scientific data, applying findings to practical project goals.

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- Stay informed about the latest scientific advancements and emerging technologies in drug discovery, applying relevant insights to support company initiatives.
- Communicate effectively with external vendors to explore new technologies and integrate them into the company's processes where applicable.
- Assist with the ordering and procurement of laboratory supplies and materials to ensure smooth laboratory operations.

Basic Qualifications

- A bachelor's degree in Engineering, Biology, Molecular Biology, Pharmaceutical Sciences or related field and 0 – 3 years of work experience, or a master's degree in related field with 0 – 2 years of work experience in biotech or pharmaceutical sector is required.
- Excellent written and oral communication skills.

Preferred Qualifications

- Hands-on experience with biologic molecules.
- Experience in bioassays, ELISA, SDS-PAGE, and Western blotting.
- Familiarity with laboratory techniques such as protein purification and characterization.
- Experience with protein analytical methods such as HPLC (SE-HPLC, RP-HPLC).
- Strong troubleshooting skills and the ability to design experiments.
- Experience working collaboratively with multidisciplinary teams, including scientists from different fields (e.g., biologists, chemists, engineers).
- Familiarity with laboratory management software and data analysis tools (e.g., GraphPad, Excel, or other data visualization programs).
- Enthusiasm and initiative to learn new technologies and contribute to innovative projects.
- Flexibility and adaptability to changing project needs and priorities.
- Familiarity with GLP requirements.

Company

Akston Biosciences Corporation invents, develops, and manufactures breakthrough protein therapeutics for companion animal health. We specialize in bringing protein therapeutics through the major phases of development, faster, more cost-effectively, and with a higher likelihood of success. We invent novel therapeutics using our Ambifect® Fc-fusion platform. We develop and manufacture our therapeutics in our Animal Health protein manufacturing facility.

Compensation

Pay commensurate with skills/experience, stock option plan, and eligibility for company medical plan.

Benefits

Please visit Akstonbio.com for more details.

Other

Must live within commuting distance of Beverly, MA.

Contact

Candidates should send one page CV and letter to careers@akstonbio.com

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