



Senior Scientist

Cancer Biology & Immunology

COMPANY AND JOB OVERVIEW

Axela Biosciences Inc. is an innovative service and product provider dedicated to serving biomedical organizations including biopharma companies, diagnostic firms, and academic institutions. We provide reliable and best-in-class resources to meet customer needs at every stage — from sample collection to data analysis, discovery to development, and proof of concept to IND-enabling studies. We specialize in delivering tailored expertise packages and partnership strategies to support biopharma companies and startups, aiming to provide optimized solutions that advance biomedical innovations from lab to clinic.

We are seeking a highly motivated and energetic scientist who will work with us to design and execute experiments in multiple projects to gain insight into the activity of lead drugs and support efficient, data-driven translational development. Here, you can apply your scientific curiosity in Biology, Immunology, Oncology, Drug Discovery, or similar fields to pursue advances in biopharma research and contribute to studying the effectiveness of novel drug candidates in various projects.

RESPONSIBILITIES

The applicant needs to have a deep **understanding of immunology and cancer biology, with unique expertise in the area of drug discovery and therapeutic development for various cancers, immuno-inflammatory and other diseases.** The incumbent will be responsible for testing novel molecules, addressing questions of drug efficacy and mechanism of action, and supporting biomarker discovery and patient stratification using primarily *in vitro* and *ex vivo* methods. Specific duties include, but are not limited to, the following:

- Independently design and execute experiments with high efficiency and accuracy
- Manage and mentor a team of biologists to successfully complete projects within designated timelines
- Design and optimize multiplex proteomic and genomic applications for the improvement of precision medicine using cutting-edge technologies such as NanoString, mass cytometry, etc
- Troubleshoot and optimize bioassays, and analyze, interpret and present data
- Document experiments, results and findings in laboratory notebooks
- Prepare reports, draft SOPs, and present research results at various meetings

Technical Skills Requirements:

- In depth hands-on experience with tumor and immune cell culture, expansion, characterization, and cell purification, activation, differentiation, and cryopreservation



- Thorough knowledge of development of cell-based assays for analyses of cell phenotypes, viability and signal transduction in various cells including cell lines and primary cells
- Proficiency in cell experimental skills including western blot, ELISA, ELISpot, IHC, real-time cell imaging, multiplex immunoassays, reagent development and assay automation, qPCR, gene editing, etc
- Extensive experience in cellular and immune cell-based analytics such as advanced multi-parameter flow cytometry and imaging, cell labeling, intracellular staining, and cytokine release
- Ability to use Microsoft Office Suite, GraphPad Prism, and FlowJo / Kaluza is essential
- Experience with NanoString nCounter and GeoMX, mass cytometry or CyTOF, and genomic and proteomic microarrays is highly desirable, but not required

Other Capabilities and Attributes:

- Excellent organization, communication, data interpretation and analysis skills
- Detail oriented with the ability to critically interpret and summarize scientific data in an accurate and concise manner and demonstrate competency in defining and initiating next steps.
- Ability to prioritize and manage time efficiently and improve efficiency and productivity within each project
- Ability to collaborate in teams and work with others in a matrixed environment, and manage multiple workstreams simultaneously
- Maintain positive and productive working relationships with colleagues
- Highly flexible and adaptable to changing projects and work assignments
- Track record of success as evidenced by a strong publication record, or contributions in the biopharma industry.

EDUCATIONAL REQUIREMENTS

PhD in life sciences (such as Immunology, Cellular & Molecular Pharmacology, Cancer Biology and Molecular Biology, etc.) with postdoctoral or relevant industry experience, or **MS** with 10+ years of relevant experience in a research facility, with considerable laboratory expertise that spans molecular and cellular research as exemplified by peer-reviewed publications and/or patents.

Axela Biosciences offers a technologically and scientifically rigorous environment and a highly competitive compensation. We can sponsor immigration visas if needed.

Thank you for your interest in our opportunities. Please email your resume to info@AxelaBio.com, and include the title of the position in the subject line. Thanks.