



- Must be able to communicate technical and non-technical information effectively to all levels of internal and external stakeholders.
- Demonstrates leadership within the Biology Team and addresses day to day situations with direct involvement and engagement with all stakeholders and management as needed.
- Coordinates with instrumentation engineering and manufacturing to analyze and resolve relevant issues.
- “Out of the box thinker”, contributes to strategies for optimizing all phases of the product development.

EDUCATION AND EXPERIENCE

EDUCATION:

Advanced degree (PhD, or equivalent) in a scientific discipline (biology, cell biology, molecular biology, biomedical engineering, pharmacy or related), medical technology, or the equivalent. Should have 2+ years of relevant academic or industrial experience, including supervision of laboratory personnel.

M.Sc. degree may qualify with 2-3 years additional experience

EXPERIENCE:

CELL AND MOLECULAR BIOLOGY: Cell-Based Functional and Biochemical Assays, Cell viability assays, mammalian cell culture and isolation (commercial cell lines, iPSC, primary donor tissues and commercial cell lines). Western Blotting, Immunohistochemistry and Immunofluorescence. Antibody Conjugation, RT-PCR, FISH. *Desirable:* Single cell handling, microfluidics.

CANCER IMMUNOLOGY: Immune Checkpoint Blockade Antibodies, Flow Cytometry, FACS.

MICROSCOPY: Phase, Fluorescence. *Desirable:* Confocal, Light Sheet Microscopy

LABORATORY MANAGEMENT: Clinical Trial Protocol Assistance, Project Management, Lab Supply Budgeting and Ordering

RESEARCH MENTORING: Experimental Design, Hands-on Training, Presentation/Poster Preparation, Student Mentoring.

COMPUTER TECHNOLOGY AND SOFTWARE ANALYSIS: Data Analysis Software, FIJI/ImageJ, Prism-GraphPad, FlowJo. *Desirable:* SeqGeq, 10X Loupe Cell Browser

SCIENTIFIC AND GRANT WRITING : Participate in (i) development, writing NIH grants and (ii) authoring publications of ongoing research projects.

SUPERVISORY RESPONSIBILITIES

- Will oversee the management of scientists and technicians.
- Will be responsible for managing projects relating to new development or support of biological development.
- Will mentor junior members of the team, including interns.



TRAINING REQUIREMENTS

1. General Safety
2. Quality System and Design Controls Training
3. Sexual Harassment
4. Employee Management