

Scientist

Research & Development – Boise, Idaho

Burst Biologics is looking for a **self-motivated, result-oriented Scientist in cell and molecular biology** with broad technical expertise in tissue engineering and isolation and maintenance of primary cells. This position requires understanding of complex signaling cellular networks, immunobiology and regenerative therapy with a strong emphasis on eye for details, critical thinking, multitasking and ability to learn new techniques. Candidates are expected to lead individual or multiple projects in a defined timeline with minimal to no supervision. Proficiency in oral presentations and skills in scientific writing are required. Experience in writing grants and securing extramural funding will be an added advantage.

The Scientist position will perform research on current and developing technologies. Requires the candidate to work with complex systems and perform technical operations in a BSL-2 Laboratory. Under general supervision and following established policies and procedures, the employee will perform blood bank related operations, perform protein assays, cell culture preparation and maintain various other laboratory related duties/assignments. Roles are maintained under an ISO 9001:2015 quality management system.

Knowledge, Skills & Abilities:

Preferred understanding of blood banking concepts, hematology, microbiology, serology, flow cytometry, cell culture and organic chemistry. Must be familiar with universal precautions. Must be familiar with and capable of following ISO 9001:2015; quality management system's procedures and protocols. Must be detail-oriented, well organized and self-motivated. Able to perform multiple tasks with a high degree of accuracy. Must be able to accurately perform multiple tasks in a fast-paced environment while maintaining positive co-worker relations. Proficient interpersonal skills for interacting with peers, physicians and staff. Must be proficient in Prism. Full command (verbal and written) of the English language.

Preferred understanding of the following Molecular Biology Principals:

- RNA isolation from tissues, cultured cells, blood, fine needle aspiration biopsies and LCM samples
- Primers/probe design and optimization
- Quantitation of gene expression at the mRNA level
- DNA copy number assays
- Micro-RNA quantitation
- SNP genotyping
- Pathway specific gene expression profiling
- CHIP assay end point analysis
- Flow Cytometry analyses and interpretation

Educational and Experience Requirements:

- Ph.D. in a biological science, chemistry, medical technology, or related science. Molecular Biology preferred.
- 2 years of post doctoral experience. Industrial experience will be preferred.
- Experience with aseptic technique
- Knowledge of cGMP's governing Registered and Licensed Blood Establishments.
- Knowledge or experience with the general principles behind ELISA assays, gel-electrophoresis, flow cytometry, microscopy, cryogenics, PCR and cell culture.
- Scientific Contribution of the candidate will also be evaluated based on lead author publications in peer reviewed scientific journals in relevant field.

Equipment Used:

General laboratory equipment including but not limited to: hematology cell counters, residual cell counters, light microscopes, biological safety cabinets, bacterial detection analyzers, pH meters, centrifuges, pipettes, sterile docking devices, ultra-low refrigerators/freezers, sterility incubators, sonicators, tissue homogenizers, heat sealers, filters, tubing strippers, weights, scales, balances, microbeads cell isolation kits, chromatography kits, electrophoresis kits, and ELISA assay kits.

Physical Demands: Must be able to lift 25-35 lbs, with frequent walking and standing. The position requires manual dexterity. Must be able to work in variable temperature controlled environments.

Burst Biologics offers competitive salary, health benefits, matching 401k and paid time off. Burst Biologics also offers opportunity for continued learning through Coursera.