

## SCIENTIST, IMMUNOLOGY AND CELL SEPARATION

STEMCELL Technologies Inc. is a privately-owned biotechnology company based in Vancouver that helps power leading-edge life science research around the world. Scientists performing stem cell, immunology, cancer, regenerative medicine and cellular therapy research are among those who rely on our cell culture media, cell separation products, instruments, ancillary reagents and contract assay services. We create novel, useful, standardized products of unfailing quality and deliver them to more than 70 countries via our many regional offices plus distribution centres in Vancouver, Seattle, Grenoble and Singapore. Driven by our love of science and our passion for quality, we see ourselves simply as “Scientists Helping Scientists” – standing by our customers to provide outstanding products, technical support and training. We have approximately 500 science-oriented employees globally, including 100 PhDs/MScs, with most others holding a BSc or engineering degree. STEMCELL is proud to be the largest Biotechnology employer in the Province of British Columbia, Canada.

In order to support our rapid growth, this is one of many new PhD positions at STEMCELL Technologies to be filled over the next 12 months. We are seeking a **Scientist, Immunology – Cell Separation** for our Research and Development Department, of which there are 35+ PhDs, 23 MScs, and 37 BScs based in our **Vancouver** office. The scientist will work in a hands-on laboratory environment. This scientist will be responsible for developing and testing new and existing cell separation products that support mouse and human immunology research. This work will include the development of new products, testing of existing products and evaluation of competing products and will act as an in-house expert in the field. In addition to managing their own projects, the scientist will provide training and support for junior lab staff and participate in interdisciplinary collaborations within STEMCELL. She or he will possess a strong scientific reputation in a related field of research, will establish successful collaborations with other labs, and will be a scientific ambassador for the company.

### DUTIES AND RESPONSIBILITIES

- Fully responsible for a product line including product design, performance criteria, research plan, quality of design, launch and technical support
- Design and execute experiments for multiple projects with input from Supervisor
- Establish and manage external collaborations
- Identify new products and track competitor activity
- Supervise one or more laboratory staff
- Generate intellectual property, assist in IP searches and writing patents, grant applications, business plans, evaluation of new technologies
- Responsible for project research budget
- Responsible for project planning including submissions for grant funding
- Understand the field of research and applications related to cell separation product development
- Draft business plans and conduct market analyses for products in their field of expertise
- Responsible for all technical documentation for a product line
- Responsible for a project research budget
- Responsible for project planning including submissions for grant funding
- Provide sales, marketing and distributor training for products
- Support business development, perform literature and patent searches, evaluate new technologies
- Adheres to company Quality program requirements
- Support QMS initiatives, adhere to QMS requirements
- Act as a scientific ambassador for the company, makes external presentations, publishes abstracts/articles and establishes collaborations

- Work with Sales Representatives to perform routine and technically challenging demos for customers and potential customers as required
- Identify new applications and product-enhancement opportunities in anticipation of customer needs and competitive offerings

## QUALIFICATIONS

### Required:

- PhD (or equivalent) with at least 2 years of post-doctoral or related experience in immunology, cell biology or transplant immunology
- Expertise in the field of mouse and/or human immunology, cell isolation techniques and immunologic assays of immune cell function
- Broad knowledge in a number of fields related to STEMCELL products including cell separation, antibodies and cell culture media
- Accomplished researcher with product/technique development experience
- Fully competent in complex experimental design with a history of innovation
- Experience in designing novel characterization assays as well as method optimization to support product development
- Applied knowledge and understanding of leading edge technologies and assays
- Advanced flow cytometry and/or imaging flow cytometry experience
- Critical thinker with excellent problem-solving skills
- Cell culture experience is an absolute requirement
- In depth knowledge of literature and current trends in the field of immunology
- An established scientific reputation in the field, with publications in peer-reviewed journals
- Excellent written and verbal communication skills
- Strong interpersonal skills and an ability to work well both in a team and independently
- Skilled presenter able to deliver technical summaries of data as well as high level explanations designed to support strategic decisions
- Ability to multi-task and work under pressure with precision
- Experience with training lab staff at various levels

### Desirable:

- Experience with mouse and human tissue digestion protocols and techniques
- Experience with cellular differentiation protocols from stem/progenitor cells and naïve immune cells
- Hands on experience in a wide-range of cellular and molecular biology techniques including qPCR, western blotting, immunocytochemistry, immunohistochemistry, microscopy and reporter gene assays
- Worked with microfluidic platforms
- Experience with medium to high-throughput screening analysis using automation platforms
- Knowledge of higher compliance requirements in product design

This is an opportunity to work with highly motivated colleagues in a science-oriented, creative and dynamic environment. We offer a competitive salary, excellent benefits and significant career development opportunities. Relocation assistance is also available for those who qualify. If you are completing your PhD and/or post-doctoral training and would like to be considered for this opportunity, clearly indicate your anticipated completion date in the online application. If you are interested in this challenging and rewarding position, please [apply here](#).