

RESEARCH ASSOCIATE – PARTICLE CHEMISTRY

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 BC.

To support our rapid growth, we have an immediate opening for a **Research Associate, Particle Chemistry**, with our Research and Development group in the Vancouver, Canada office. The successful candidate will be responsible for testing and developing new and existing products, product components, and competing products. They will be expected to independently perform standard experiments, including the appropriate controls. In addition, the Research Associate will contribute to maintaining the general functioning of the R&D laboratory, and will maintain written records of laboratory procedures, experimental results, and all lab work according to company standards.

Duties and Responsibilities:

- Perform a variety of specialized lab procedures including antibody and protein bioconjugation, nanoparticle characterization assays and cell separation procedures
- Design experiments with input from supervisor, including establishing novel techniques
- Analyze data and perform calculations independently
- Troubleshoot experiments, identify abnormal or unexpected trends in data
- Present data at R&D data meetings, provide conclusions and future plans
- Perform literature reviews and track competitors, discuss relevance to product design with supervisor
- Work with external collaborators to gain access to analytical instrumentations and/or contract analytical services; performs work on these instruments as required
- Assist with maintaining lab functioning (e.g. inventory, waste disposal, safety measures)
- Author technical documents, drafts of scientific abstracts and marketing materials for review
- Provide training on laboratory/product protocols to lab and sales staff
- Support QMS initiatives, adhere to QMS requirements

Qualifications:

Required:

- MSc degree required in Molecular Biology, Biochemistry, Materials Science, Biomedical Engineering or a BSc with equivalent scientific knowledge and experience (typically >4 years related experience in industry)
- Understanding of biological systems and experience in handling biological samples including blood, tissue, cells, proteins and antibodies
- Experience in several of the following laboratory techniques: bioconjugation or modification of proteins and antibodies, ELISA and colorimetric assays (UV-VIS and fluorescence), gel electrophoresis and microscopy
- Good verbal and written communication skills including collecting, analyzing, organizing scientific data and writing scientific reports
- Ability to work well in a multidisciplinary team environment - a team player

Desirable:

- Experience in the synthesis and surface modification of nanomaterials, microparticles or colloids and their characterization using techniques such as DLS, zeta-potential or TGA
- Preferably >2 years of research experience including research thesis, co-op experience or product development experience in the biotech/pharmaceutical industry
- Experience with the statistical analysis of data sets

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. If you are interested in this challenging and rewarding position, please apply online at www.stemcell.com.

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