

RESEARCH AND DEVELOPMENT (R&D) SPECIALIST.

Position title: Research and Development (R&D) specialist. (temporary, 4-6 months).

Responsible to: The chief scientific officer.

Company description.

MVT *in Silico* Corp, located in London Canada, is a disruptive deep technology company in search of life saving medical treatments using its new ways of deploying non-animal methods which include proprietary physics driven software (CM&S), R&D devices, and experimental development. See: <https://www.mvtinsilico.ca> for more information.

Position purpose.

The Research and Development (R&D) Specialist is responsible for taking a concept from idea to prototype by way of overseeing the development, production readiness, and support of a new range of sophisticated part products for **MVT *in Silico* Corp's** line of scientific computer modelling and simulation software suite.

The position stays informed of current developments in the industry and obtains new knowledge that it might use to improve existing products and/or create new technology, products, services, or systems. The R&D Specialist also assists MVT *in Silico* Corp's in maintaining its competitiveness by following competitor's business activities to capitalize on unmet or potential client needs.

Duties and responsibilities.

- Lead a project within the term of the contract.
- Perform scientific literature searches and summarize the information.
- Perform R&D in the form of implementing mathematical models into computer programs using a suitable programming language.
- Generate bi-weekly (twice every week) written reports in consultation with the line manager.
- Create code and project documentation.
- Organize data, materials, and other electronic files as directed.
- Write scholarship and funding applications for yourself.
- Meet deadlines set by the project plan and line manager.
- Assist in product presentations and interact with clients, suppliers, etc., as required.
- Present to clients and at meetings/pitch events.
- Perform other duties as assigned.

Qualifications and essential skills.

- Bachelor's or Masters in a STEM/science/engineering subject such as Applied Maths, Physics, Biology, Engineering, Pharmacology, Physiology.
- Strong ability to organize external and internal scientific/engineering data.
- Solid knowledge of programming languages such as C, Python in a Unix environment.
- Knowledge of CAD modelling.

- Ability to understand biology and convert to engineering/mathematical/AI models under supervision.
- Prior work experience in a company environment.

Working conditions.

- Standard workweek is 35 hours.
- Standard hours per workday are 7 hours.
- Hotdesking on premises.
- High pressure due to work volume, numerous competing demands, time sensitive schedules, dynamic priorities, regular interruptions and an overall fast pace.
- Sitting, sometimes for long periods with occasional walking and standing.
- Exposure to computer screens, sometimes for long periods.
- Adherence to all health and safety procedures, policies and legislation at all times.
- Adherence to quality procedures, policies and standards at all times.

Compensation. This position will be compensated at market rates (between \$20 to \$24 per hour) at FTE (35 hours per week) commensurate with the candidate's skills. Applicants will be supported in their Mitacs (e.g., Business Strategy Internship) and similar scholarship applications. Employment is not contingent on scholarship application outcomes.

Application and selection process.

Interested applicants should send their cover letters, detailed CVs, list of referees, and a one page statement of how they will perform duties. The three part selection process entails an interview, a take home coding exercise, followed by a second interview. You should send your applications to Dr. SR Kharche at sumus@mvtinsilico.ca.

Only those applicants that suit the role at each stage will be contacted for progression to the next stage. In accordance with our company policy, employment is conditional upon the receipt of all necessary documentation.

As an organization dedicated to improving the quality of life for people around the world, MVTIS fosters an inclusive environment of diverse, ethical, committed and highly accomplished people who respect each other and live the MVTIS values to continue advancing science to serve the therapeutics industry. Together, we compete in the fight against serious disease.

MVTIS is an Equal Opportunity employer and will consider all qualified applicants for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, protected veteran status, disability status, or any other basis protected by applicable law.

We will ensure that individuals with disabilities are provided reasonable accommodation to participate in the job application or interview process, to perform essential job functions, and to receive other benefits and privileges of employment. Please contact us to request accommodation.