Senior Computational Scientist.

Position title: Scientist in computational fluid dynamics or computational chemistry. 6 months initial contract. Must be eligible to work in Canada.
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 scientist is responsible for leading the development and deployment of the company's computational medicine pipeline.

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 scientist also assists MVT *in* Silico Corp in maintaining its competitiveness by following competitor's business activities to capitalize on unmet or potential client needs.

Duties and responsibilities.
- Lead multiple projects with common technology workflows under deadlines.
- Implement the pharma investigation pipeline as directed, create detailed documentation.
- Organize data, materials, and other electronic files as required.
- Participate in company fundraising activities (10% time commitment).
- Support company intellectual property activities (10% time commitment).

Qualifications and essential skills.
- Ph.D. in subjects such as Applied Maths, Physics, Polymer Science.
- Track record of high quality research.
- Expert knowledge of programming languages such as C, Python, R in a Unix environment.
- Must have demonstrated skills in either: a) multi-scale & multi-physics fluid flow modelling under extreme conditions; or b) molecular docking, molecular dynamics, and polymer physics.
- Ability to work in a team and provide high quality contribution.
- Have initiative, be able to assimilate provided directions.

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 $40k to $55k per annum, at FTE 35 hours per week) commensurate with the candidate's skills. Applicants will be supported in their scholarship applications to enhance their work with the company. Employment is not contingent on scholarship application outcomes.

Application and selection process.
Interested applicants should send their cover letters, detailed CVs, list of referees, achievements, and a one page statement of how they will perform duties. The multiple part selection process entails an interview, a take home coding exercise, peer programming sprint, followed by further discussions. The selection process includes testing of ability to undertake peer programming with the candidate being the programmer.

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.