Data Science Intern
Leading the Next Frontier in Gut Health

Nimble Science is collaborating with partners worldwide to advance next-generation microbiome-based diagnostics and therapeutics. We achieve this by leveraging our cutting-edge capsule-based sampling technology, which allows us to perform liquid biopsies directly from the small intestine.

As a **Data Science Intern,** you will get the unique opportunity to contribute toward the development of computational tools to explore, integrate, and extract information from complex multi-omics intestinal datasets to support a research discovery program that aims to develop breakthrough microbial strategies for the management of conditions associated with impaired intestinal health.

You are a passionate and dynamic learner with an entrepreneurial spirit.

RESPONSIBILITIES:

- **Bioinformatics Analysis**: Apply state-of-the-art bioinformatics tools and develop standardized workflows to process large-scale genomics (16S RNA, shotgun metagenomics), metabolomics, and other -omics datasets obtained through the SIMBA Capsule.
- **Computational Biology**: Utilize diverse machine-learning and statistical techniques for integrating multi-omics datasets to discover potential biomarkers associated with intestinal health and disease.
- **Attention to detail:** Support the implementation of a Laboratory Information System and data entry/monitoring to streamline Nimble Science's processes.
- **Collaboration:** Work closely with interdisciplinary teams, including Data Science, Manufacturing, Clinical Operations, and Research & Development, to contribute to ongoing external and internal projects.
- **Research Support:** Provide support in designing and implementing experiments and questionnaires related to small intestinal microbiome research.
- **Database Management**: Assist in the management and expansion of Nimble Science's database of matched SIMBA capsule and fecal samples to enable the integrated exploration of spatial and temporal diversity of the gastro-intestinal tract.
- **Documentation:** Apply good-documentation practices and workflow management tools to ensure reproducibility of results and contribute to scientific publications.

QUALIFICATIONS:

- Recent Alberta post-secondary graduate with a degree in Biological Sciences, Computer Sciences, Bioinformatics, or a related field.
- Strong background in bioinformatics and computational biology.
- Proficiency in programming languages such as Python, R, SQL or others relevant to computational biology.
- Familiarity with genomics and omics technologies.
- Excellent analytical and problem-solving skills.

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What We Offer:

- A stimulating and supportive research environment in a multidisciplinary team.
- Opportunity to work with the international microbiome community through partnerships and events.
- Opportunities for significant professional growth and impact in medical device development.
- Regular professional development sessions in scientific communication, project management, and quality management.
- Integration with the Calgary Tech ecosystem.

Position Details:

- This is a full-time position, requiring 37.5 to 40 hours of work per week.
- The role is sponsored by BioNet Alberta. Canidates must meet BioNet Alberta's eligibility.
- Eligibility is exclusive to recent graduates (within the past 12 months) who have obtained a degree in biological sciences or computer science from a post-secondary institution in Alberta.
- The position allows for remote work, provided the candidate is located within Alberta.

Application Process:

- Please submit a cover letter and a CV to **careers@nimblesci.com** with "**Data Science Intern-Your Name"** in the subject line.
- Interview can start immediately and will continue until the position is filled.
- Confirmation of application receipt followed by interview invitations to selected candidates within four weeks of the deadline.

Nimble Science is committed to Employment Equity and Diversity. We do not discriminate against any employee or applicant for employment because of national origin, race, religion, ethnic group, age, disability, gender, sexual preference, sexual or gender identity, status as a veteran or any other federal, provincial, or local protected class.

We welcome and encourage applications from people with disabilities. Accommodation is available on request from candidates taking part in all aspects of the selection process.