



# COLLEGE of BIOLOGICAL SCIENCE

DEPARTMENT OF MOLECULAR  
AND CELLULAR BIOLOGY

## **Postdoctoral position in Bioinformatics (George van der Merwe Lab)**

In collaboration with Escarpment Laboratories, a yeast supplier for Canadian breweries, we provide a vibrant, fast-paced research and development environment focussed on discovery, transparency and the transfer of data-based knowledge to the brewing community. We seek to improve our knowledge related to beer yeast genetics, brewing efficiency, and flavour diversification. Applications are invited for a postdoctoral position in bioinformatics to explore the intersection between yeast genomics, metabolomics, and fermentation efficiency.

The successful candidate will have significant experience in yeast genomics. Advanced genome structure and sequence analyses skills are critical. In addition, strong, established experience with yeast metabolomics and physiology will be a major asset. Research will involve both targeted questions and creative and innovative approaches to increase the knowledge base for beer yeast capabilities in brewing.

### DUTIES & REQUIREMENTS

- Design experiments for both your own work, and aid in experimental design for lab staff and co-op students.
- Analyze research data, summarize, and present internally.
- Create and revise SOPs for genomic data queries as necessary.
- Participate in the development of critical research project(s) based on the analyses of genomic, phenotypic and metabolomic data.
- Work effectively within a team motivated and creative scientists.

### EDUCATION & REQUIRED SKILLS

- A PhD or similar experience in bioinformatics and genomics. Programming experience will be essential.
- Established experience with yeast metabolomics and physiology will be beneficial.
- Effective written and oral communication in a fast-paced environment.
- Record and maintain data in a project management tool.
- Previous experience working in teams to complete complex projects is desired.
- Proven experience in data analysis and statistics is desired.
- Strong skills in scientific writing and oral presentation are desired.

### ADDITIONAL ITEMS

- This is a 20-month, full-time position.
- Compensation will be commensurate with education and experience. Salary includes benefits at the University of Guelph.
- Due to the nature of the research, most if not all of the work can be performed remotely with regular virtual meetings.
- Both the University of Guelph and Escarpment Laboratories are committed to fostering an inclusive, accessible work environment, where all employees feel valued, respected and supported.

**George van der Merwe (Ph.D.)**  
**Department of Molecular and Cellular Biology**  
50 Stone Road East  
Guelph, Ontario, Canada N1G 2W1  
gvanderm@uoguelph.ca

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**Anticipated start date for this position is November 2020.**

To apply, please send us an email at [gvanderm@uoguelph.ca](mailto:gvanderm@uoguelph.ca) with the subject line "POSTDOC IN YEAST BIOINFORMATICS". Include your cover letter and references in the body of the email and your resume as an attachment. A cover letter should not be a restatement of your qualifications. In a page or less, tell us a story; what attracts you to this position, how do you see your experience in these fields contribute to the project, what is your interest in brewing, etc.?

**\*\*Applications will be accepted until October 2<sup>nd</sup>, 2020 at midnight\*\***

All qualified applicants are encouraged to apply; however, Canadians and permanent residents will be given priority.

The University recognizes that applicants may have had obligations outside of work that have negatively impacted their record of achievements (e.g., parental, elder care, and/or medical). You are not required to disclose these obligations in the hiring process. If you choose to do so, the University will ensure that these obligations do not negatively impact the assessment of your qualifications for the position.

The University of Guelph resides on the ancestral lands of the Attawandaron people and the treaty lands and territory of the Mississaugas of the Credit and we offer our respect to our Anishinaabe, Haudenosaunee and Métis neighbours as we strive to strengthen our relationships with them.

At the University of Guelph, fostering a [culture of inclusion](#) is an institutional imperative. The University invites and encourages applications from all qualified individuals, including from groups that are traditionally underrepresented in employment, who may contribute to further diversification of our Institution.

If you require a medical accommodation during the recruitment or selection process, please contact Occupational Health and Wellness at 519-824-4120 x52674.

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**Department of Molecular and Cellular Biology**  
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Guelph, Ontario, Canada N1G 2W1  
[gvanderm@uoguelph.ca](mailto:gvanderm@uoguelph.ca)

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