



PhD Researcher in Sustainable Biomaterials & Cellular Agriculture

We are currently seeking a highly motivated PhD candidate to join the [De France Lab](#) (May/Sep 2025 Start Date) in the Department of Chemical Engineering at Queen's University. This fully-funded position is part of our recently awarded interdisciplinary NSERC-SSHRC project: [Unlocking Canola Meal](#), where you will work in the area of developing canola meal-derived scaffolds for cellular agriculture applications. As part of this role, you will work closely with [New Harvest](#), a leading nonprofit advancing cellular agriculture globally. You will have unique opportunities to engage with a vibrant community of academic researchers and industry partners across Canada, with the collective aim of developing sustainable materials for a greener future.

Summary of Key Responsibilities:

- Develop and characterize protein-based scaffolds from canola meal fractions towards the prototyping of cultured meat tissues.
- Collaborate with New Harvest staff and contribute to community discussions.
- Analyze data, prepare research updates, and present findings at conferences.
- Contribute to a supportive, inclusive, and engaged lab environment.

Expected Qualifications:

- Strong foundational knowledge + recent MAsc/MSc degree in chemical engineering, biomaterials science, polymer science, nanotechnology, or a related field.
- Experience with wet lab techniques, mammalian cell culture, protein analysis, and/or nanomaterial characterization is an asset.
- Excellent communication, teamwork, and problem-solving skills.

As a New Harvest Fellow, you will:

- Be part of a community of peers and mentors, sharing insights, challenges, and successes.
- Connect with the international cellular agriculture community, exchange ideas, and stay informed on the latest developments.
- Engage in open research practices, fostering knowledge exchange and collaboration.
- Access unique professional development opportunities.

How to Apply:

Please email your Resume/CV and a cover letter (max 1 page) to kevin.defrance@queensu.ca by **February 21, 2025** with the subject line "Canola PhD Application – [Your Name]".

We invite applications from all qualified individuals. We welcome applications from women, visible minorities, Indigenous peoples, persons with disabilities, and persons of any sexual orientation or gender identity. We will provide support in the recruitment processes for applicants with accessibility

needs; if you require accommodation during the application or interview process, please contact kevin.defrance@queensu.ca.

Our lab at Queen's University is growing!
We are recruiting highly qualified personnel who are interested in pursuing a MASc or PhD degree as part of a collaborative, diverse, and interdisciplinary team.
For more information, please email Dr. Kevin De France.

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