



Tissue Engineering &
BioImaging
Lab

Undergraduate Research Volunteer

[Image Processing / Data Analysis / Tissue Engineering]

POSITION OVERVIEW

Faculty Supervisor: Dr. Leila Mostaço-Guidolin

Faculty / Department: Faculty of Engineering and Design/Systems and Computer Engineering

Appointment Term: Flexible

Appointment Start Date: Flexible

We are looking for someone...

...passionate about research and curious to explore different areas. We are inviting undergraduate students to join our dynamic research team as volunteers, working on a variety of projects including image analysis, data analysis, and cell biology.

The Project

In this role, you will gain hands-on experience in tissue engineering by supporting experiments, performing basic cell culture, and assisting with imaging and data interpretation. This is an excellent opportunity to build valuable research skills in a collaborative, innovative environment. In our tissue engineering initiatives, you will contribute to experiments that deepen our understanding of cellular behavior and tissue dynamics, providing real-world insights into biomedical research.

Your Role

As an undergraduate volunteer, you will work under the supervision of Dr. Mostaço-Guidolin and other team members, to support various aspects of our research by:

- Assisting with image analysis and processing to quantify experimental outcomes.
- Participating in related laboratory experiments.
- Contributing to data analysis and interpretation to help drive our projects forward.

Your involvement will offer hands-on experience and the opportunity to collaborate closely with experienced researchers.

Qualifications Required

We are looking for current undergraduate students in fields such as Biomedical Engineering, Health Sciences, Chemistry, Physics, Biology, Computer Science, or related disciplines who are:

- Enthusiastic about learning and passionate about research.
- Comfortable working in a laboratory environment.
- Able to work both independently and as part of a team.
- Prior experience with image analysis or data handling is a plus, but not required.

Why join us?

This is an excellent opportunity to build valuable research skills and gain real-world experience in tissue engineering. In our collaborative and supportive environment, you will receive mentorship from leading experts and contribute to projects that push the boundaries of biomedical science. Outstanding performance and a keen interest in research may also open the door to applying for a USRA (Undergraduate Student Research Award), further advancing your academic and professional journey.

How to Apply

Please submit a single PDF package to Dr. Mostaço-Guidolin (**leila at sce.carleton.ca**), including:

- A cover letter (up to 1 page) outlining your interest in the role and any relevant experience.
- A current CV detailing your academic background and skills.
- A brief statement (optional) explaining your long-term academic and career aspirations.

Please reference the opportunity code **UG-IDT** in your application. Applications will be reviewed on a rolling basis, so early submission is encouraged.

Join us and be a part of a team that values diversity, innovation, and excellence in research!