

BioImaging North America (BINA) Community Congress Microimpact Study

Project Summary

The main objective of this project is to understand the barriers limiting interactions between two communities of practice in the life sciences: cutting-edge microscope builders/software programmers versus expert microscopy users. We will use and adapt for research professionals the microimpact taxonomy that was developed by the team of the [Humanomics Research Centre](#) at Aalborg University in Copenhagen, Denmark¹.

A pilot study will be performed at the occasion of the [BioImaging North America Community Congress](#) in September 2024. This study will help develop methods to monitor and analyze participants interactions to understand the dynamics of collaboration (or lack thereof).

Job Description

We are seeking an enthusiastic intern to join our research team for an exciting project in the field of social sciences applied to the international bioimaging community. This internship offers a blend of full-time and part-time work, with the unique opportunity to contribute to a high-impact multidisciplinary research project that spans over several months.

Why Join Us?

- **Gain Valuable Experience:** This internship provides hands-on experience in research design, data analysis, and project management within an academic setting.
- **Build Your Professional Network:** Work with an engaging and diverse research team and build professional connections in the social sciences, bioimaging and network building communities.
- **Contribute to Groundbreaking Research:** Play a key role in a project that aims to understand and measure the microimpact of a significant event in the bioimaging field.

Project Team

This project is the result of a collaboration between Professor Claire Brown (McGill University, Montreal), President of Canada BioImaging and Co-Chair of BioImaging North America (organization supporting scientists from Mexico, United States and Canada), Laurence Lejeune (PhD Candidate, UQAM, Montréal), and Associate Professor Rolf Hvidtfeldt from the team of the Humanomics Research Center in Denmark.

¹ Budtz Pedersen, D. et Hvidtfeldt, R. (2023). The missing links of research impact. *Research Evaluation*, rvad011. <https://doi.org/10.1093/reseval/rvad011>

Job requirements

Key Details

We expect a commitment from May to December with full-time work at 30 hours per week from May to August 2024, part-time work at 10-20 hours per week from September to December 2024, with compensation at \$16.67 per hour as stated in undergraduate summer fellowship employment guidelines at McGill University, and includes a week of full-time work at the Bioluminescence North America (BINA) Community Congress in Madison, WI, from September 23-27, 2024. Travel costs (economy airfare from Montreal, ground transportation, accommodations, meals) for the BINA Community Congress will be covered. The successful candidate will be affiliated with McGill University, Faculty of Medicine and Health Sciences and the Department of Physiology.

Skills that will be developed during this project

- **Pilot Project Development:** Collaborate with the team to design a plan for mapping interactions and for measuring the microimpact of attendees at the BINA Community Congress.
- **Interview Design and Execution:** Create a semi-structured interview guide based on the microimpact framework in collaboration with the project team. Conduct interviews with study participants before, during, and after the BINA congress in September 2024.
- **Data Analysis and Reporting:** Support interview analysis, perform data analytics, and generate a preliminary report on your findings.
- **Survey Design and Implementation:** Assist in developing, collecting, and analyzing a survey for congress participants to gain insights into the broader impact of the event.
- **Ethics Documentation:** Contribute to the documentation required for ethics approval.

Work Environment

You will report to Claire Brown, a professor at McGill University. Your work will be supported by Laurence Lejeune, a PhD candidate from Université du Québec à Montréal (UQAM). You will be granted office space at the Bellini Building, located at 3649 Promenade Sir William Osler, Room 137, Montreal, Quebec, Canada, H3B 0B1, and at UQAM at the Centre Interuniversitaire de Recherche sur les Sciences et Technologies (CIRST), Université du Québec à Montréal, Pavillon Paul-Gérin-Lajoie (N), 8^e étage, 1205, rue Saint-Denis, Montréal, Québec, H2X 3R9.

Preferred Experience

- Minimum requirement: undergraduate student in a social sciences program or related field with the ability to work independently with guidance.
- Experience with semi-Structured interviews, survey development and implementation.
- Advanced written and spoken English.
- Ability and availability to travel to the United States in September 2024.

Desired Experience

- Interview analysis, survey analysis, report writing. Knowledge of biomedical research environment an asset.

How to apply?

If you are interested in joining our team and contributing to this unique research project, we would love to hear from you. Please send your resume and a brief cover letter outlining your interest and relevant experience plus two references. We look forward to meeting you and exploring the possibilities of working together!

Please send your application by May 15 to claire.brown@mcgill.ca with Laurence Lejeune in cc: lejeune.laurence@courrier.uqam.ca