



Biotechnologist in Sustainable Mineral Processing (Intern)

MIRARCO Mining Innovation is looking for a Biotechnologist in Sustainable Mineral Processing (Intern).

Background

MIRARCO was established in 1998 as a not-for-profit mining and environmental research corporation, affiliated with Laurentian University. MIRARCO is governed by an independent Board of Directors, representing a number of mineral resource services and supply companies. Industry research contracts and government grants provide the operational funding.

The company has evolved over the years through the establishment of niche research centres in response to industry demand, serving clients over a variety of different areas. MIRARCO is currently active in five research areas:

1. Biomining
2. Geomechanics
3. Software
4. Safety
5. Energy

Our Mission

We are the innovative research partner of choice for mining and related industries.

Our Vision

A research organization that develops innovative technologies and applied solutions, and trains highly qualified individuals in support of a safe, productive, and sustainable global mining industry.

Our Values

Innovation, collaboration, knowledge transfer, responsiveness, and social responsibility.

Job Description

This is a one-year, full-time contract position. This opportunity is proudly supported by Northern Ontario Heritage Fund Corporation and is funded through the Workforce Development Program. Eligibility requirements of the program can be found here: <https://nohfc.ca/en/pages/programs/people-talent-program/workforce-development-stream>. In short, to be eligible the candidate has to:

- Be a new entrant into the work force, transitioning to a new career, or unemployed or underemployed who are entering a new field;

- Not previously participated in a NOHFC-funded internship;
- Be at least 18 years of age; and
- Reside, and be legally entitled to work, in Canada.

The candidate will be responsible for supporting research the field of biomining - the use of microorganisms to extract metals from ores, mine wastes and electronic waste. The tasks within the role include:

- Bioleaching tank operation (bench and pilot scale), process monitoring, parameter adjustments, troubleshooting;
- Routine sampling for chemical, biological and mineralogical analyses;
- Sample processing and analysis; and
- Experimental data processing and interpretation.

The candidate is also required to:

- Execute all lab work abiding by any and all Health and Safety regulations and standards;
- Prepare reports (and journal articles if possible);
- Liaise with a variety of stakeholders such as industry partners and team members.

Due to the nature of the work, a strong foundation in Chemistry, Engineering, Material Sciences, or (Geo)microbiology is desirable.

Reports to: Associate Director.

Application details:

If you are qualified and are interested in this role, please send your CV and a cover letter to info@mirarco.org, also quote “Biotechnologist Intern” in the subject heading.

The deadline for applications is August 18, 2025.