

Postdoc position in Machine Learning & Materials Discovery

Mila, a global hub in artificial intelligence

Founded by Professor Yoshua Bengio of the Université de Montréal, Mila brings together researchers specializing in artificial intelligence and more specifically in machine learning, deep learning and reinforcement learning. Recognized worldwide for its significant contributions to the field of deep learning, Mila has particularly distinguished itself in language modeling, machine translation, object recognition and generative models. Since 2017, Mila has been the result of a collaboration between the Université de Montréal and McGill University, in close collaboration with Polytechnique Montréal and HEC Montréal.

Mila's mission is to be a global hub for scientific advances that inspires innovation and the growth of artificial intelligence (AI) for the benefit of all.

To learn more, please visit <https://mila.quebec/en>

Summary

This postdoctoral researcher position will focus on the development of chemistry-informed machine learning algorithms for materials science and discovery, including property prediction and generation of materials with desirable properties. A particular focus will be on the discovery of novel electrocatalysts for applications in the energy transition, such as the hydrogen evolution reaction.

Candidate criteria:

- PhD, either completed or about to be completed (field of PhD is flexible).
- Strong background in machine learning.
- Experience in machine learning for chemistry or materials science.
- Preference will be given to candidates with expertise in both machine learning and chemistry or physics.

Required documents:

- CV
- Cover letter
- PhD transcripts (official or unofficial if ongoing term not yet completed).
- A letter of recommendation is required. Please ensure the referee's email address is accurate and that they are available.



Contract duration: 12 months with a possibility of extension.

Starting date: Fall 2025.

- Supervisor: David Rolnick, Assistant Professor and Canada CIFAR AI Chair in the School of Computer Science at McGill University and at Mila – Quebec AI Institute.
- Co-Supervisor: Alex Hernandez-Garcia, Assistant Professor at the Université de Montréal at DIRO and Core member at Mila.

Funding is provided by Mila as a scholarship.

Please, apply [here](#).

Deadline for the application, July 5th 2025. Only selected candidates for the interview will be notified.