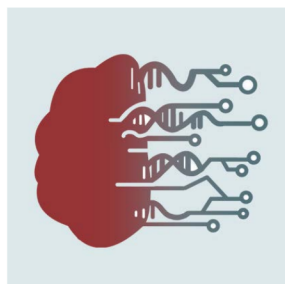**bioinformatics.ca**
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2024 Workshop Program
Canadian Bioinformatics Workshop Series

REGISTRATION AWARDS AVAILABLE

Machine Learning

Date
September 7-8, 2024 - Virtual

Faculty
David Wishart

Course Description
This workshop is intended to provide an introduction to machine learning and its application to bioinformatics. This workshop is not intended for machine learning experts. Instead, it targets biologists or other life scientists who want to understand what machine learning is, what it can do and how it can be used for a variety of bioinformatic or medical informatics applications. Students will gain experience in:

- Applications and Limitations of Machine Learning and Deep Learning
- Decision Trees and Random Forests
- Artificial Neural Networks (ANNs)
- Large Language Models (LLMs)
- Using Machine Learning tools (Decision Trees, ANNs and HMMs) on the Web (SciKit Learn and Keras/Colab)

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