

Please join the UNLV Department of Geoscience for the
Inaugural Kinross Gold Lecture in Geoscience:

**Carbon mineralization as an ore processing technique
for CO₂ removal and critical metal recovery**



February 15



4:00 – 5:30 PM



SEB Auditorium



Speaker:

SASHA WILSON, Ph.D.

*Professor and Canada Research
Chair in Biogeochemistry of
Sustainable Mineral Resources
at the University of Alberta*

The critical metals needed to build infrastructure for the renewable energy transition are commonly found in ultramafic rocks. These rocks can also be used to bind carbon dioxide (CO₂) from the atmosphere within carbonate minerals. Accelerated weathering of ultramafic rock to make carbonate minerals has potential to store billions of tonnes of CO₂ per year while improving the efficiency of critical metal recovery from mines. This talk will describe how using CO₂ sequestration as an ore processing technology could turn mining into a carbon negative industry while enhancing the supply of the metals we need to create the green economy.

KINROSS

Thank you to our sponsor, Kinross Gold!