

# The University of Manitoba Geochemistry-Mineralogy Group



## Research Themes:

- Ore deposits
- Environmental Mineralogy
- Tectonics
- Archaeometry
- Thermochronology

## Approach:

- Traditional and non-traditional stable isotopes
- Geochronology
- Petrogenesis
- Elemental and isotopic tracer studies

## Facilities:

- **Ar-Ar**
- LA-ICP-MS
- Micro-beam Facility
- **Secondary Ion Mass Spectrometry (SIMS)**
- Spectroscopy and X-Ray Facility
- Stable Isotope Laboratory

## Current Projects:

- Regional tectonic setting of mineral deposits as a driver for mineral exploration
- Red Lake and Eastern Manitoba Gold deposits
- Unconventional sources for REEs
- Sources of uranium
- Sourcing archaeological artifacts

## Funding sources:

