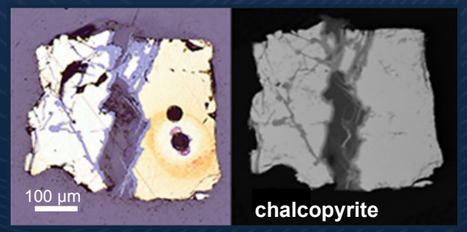
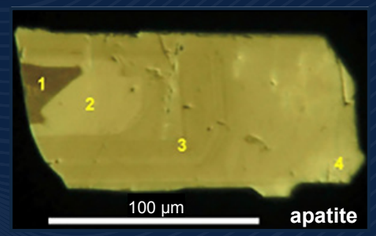
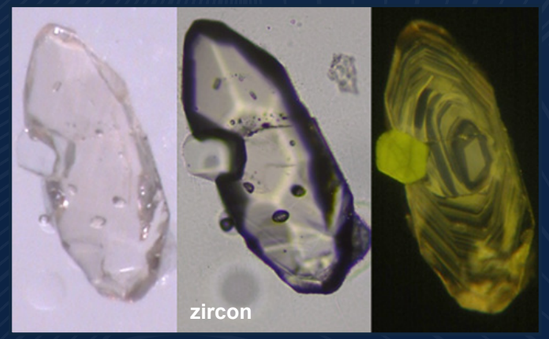
The joint facilities of the **Mineral Research Deposit Unit (MDRU)** and the **Pacific Centre for Isotopic and Geochemical Research (PCIGR)**, in the Department of Earth, Ocean & Atmospheric Sciences at UBC, can **advance your exploration program**.







Enhancing exploration success with advanced geochemical tools

- Zircon geochronology (including high-precision CA-TIMS) and trace element composition for dating and fertility metrics
- Hf isotopes (in situ, solution) in zircon for crustal influence and magma origin
- Cathodoluminescence (CL) imaging for texture and alteration features
- Chlorite and epidote chemistry for alteration vectoring
- Apatite CL-imaging and composition for exploration targeting
- Feldspar Pb-isotopic composition for regional crustal sourcing
- Sulfide trace element composition for deposit fingerprinting

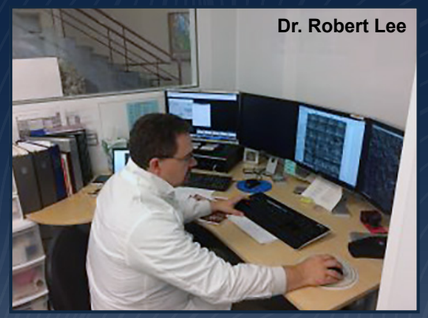
In-house equipment at world-class facilities

- Rock crushing facilities
- Heavy liquid and Frantz magnetic mineral separation, grain mount and polishing tools
- Binocular and petrographic microscopes
- Cathodoluminescence imaging and UV lamps
- XploRA PLUS Raman spectroscopy
- Philips XL-30 scanning electron microscope
- Cameca SX50 electron microprobe
- Nu TIMS
- Agilent 7700 Series quadrupole ICP-MS
- Multicollector and high-resolution ICP-MS

and more...

RESOlution M-50-LR and Agilent 7700 Series quadrupole ICP-MS at PCIGR


Dr. Dominique Weis


Dr. Robert Lee

PCIGR and MDRU Expertise

Dr. Marghaleray Amini: Lab Manager, PCIGR
Dr. Shaun Barker: Director, MDRU
Dr. Farhad Bouzari: Research Associate, MDRU
Dr. Robert G. Lee: Research Associate, MDRU
Dr. Corey Wall: U-Pb Facilities Manager, PCIGR
Dr. Dominique Weis: Professor; Director, PCIGR

To learn more about what we can offer you, please visit us at:

mdru.ubc.ca/research-services
pcigr.eos.ubc.ca/services

Contact us at:

mdru@eoas.ubc.ca (MDRU)
cwall@eoas.ubc.ca (PCIGR)
mamini@eoas.ubc.ca (PCIGR)