

## Annual Graduate Student Research Award of the Calgary Geo- and Thermochronology Laboratory

The Geo- and Thermochronology Research group at the University of Calgary invites graduate students to submit proposals that require the use of geo- and thermochronology analyses to answer compelling research questions. The proposed work should be a well-designed experiment that answers a fundamental research question by using fission track dating, (U-Th)/He dating or laser ablation U-Pb dating on apatite or zircon. The proposed study can include the analysis of bedrock or detrital material using one or multiple dating techniques. Methodological research projects that aim to advance dating techniques and may include other mineral phases will also be considered.

### Who can apply?

- graduate students in the field of Earth Science, Archeology, Geography or related subjects (thesis-based MSc and PhD)
- currently enrolled in a graduate program at a Canadian university

### How much is the award?

- A total amount of up to \$10,000
- Analytical costs of up to \$8,000 for any analyses conducted in the Geo- and Thermochronology lab (see website for a full list of instrumentation and routine analyses)
- Travel costs of up to \$2,000 for the student to visit the lab in Calgary to conduct the analysis

### How to apply?

- Send your application package as a single PDF file to [eva.enkelmann@ucalgary.ca](mailto:eva.enkelmann@ucalgary.ca)
- Deadline for submission is: 15. March (annually)
- Proposal presentations and defense by shortlisted candidates in April
- Decision will be made at the beginning of May

### What is in the application package?

- Cover letter explaining your motivation to apply for the award and expected outcomes for your research and your personal development (max. 250 words)
- research proposal (max. 5 pages, 12 point font, excluding references) including the following parts:
  - Introduction and objective of the proposed research
  - Hypothesis and how it will be tested
  - Proposed work that will be conducted at the Geo- and Thermochronology Lab
  - Estimated budget and time schedule
  - Expected research outcome
- letter of your main graduate supervisor indicating that she/he/they support the proposed research project and confirming that you are currently enrolled in a graduate program (this should not be a reference letter for the student)
- your CV

### What are the evaluation criteria?

- Proposed study will answer an interesting research question that will advance our understanding of a natural process
- Proposed study is designed to result in a dataset suitable for publication in a peer-reviewed journal
- Proposal shows solid understanding of background information related to the study
- The students of the top 3 ranked proposals will be invited for a short virtual presentation and defense

### What if I have a question before submission?

- Please check out our website first
- You can email lab manager Dr. William Matthews [wamatthe@ucalgary.ca](mailto:wamatthe@ucalgary.ca) and group leader Dr. Eva Enkelmann [eva.enkelmann@ucalgary.ca](mailto:eva.enkelmann@ucalgary.ca)