

Canadian Centre for Isotopic Microanalysis Project Proposal

In accessing CCIM, we ask that you provide a description of your project. A proposal is usually developed through a consultative process with the facility manager (Richard Stern), so it is recommended to discuss details before submission, and/or submit a draft version for review and comment. Please follow the headings below, and submit your proposal in Word form by email (rstern@ualberta.ca).

1. Project Title

2. Date

3. Chief Investigator and Partners

List affiliations, addresses, emails, phone numbers, etc. Please note that most projects will include lab staff as partner investigators (see below), but do not list those here.

4. Description of the Project:

Introduction: give a general description of the research problem.

SIMS analysis: describe why you require SIMS data and what you hope to demonstrate or test with it.

Samples: describe the type(s) of samples are be analyzed in this project, e.g., mineral separates, thin-sections, etc. Include images of samples if available. What spatial resolution is required? Include compositional data on the samples if known.

Analyses, details: what type of data do you need (i.e., the mineral and isotope system)? Estimate how much data do you will need. To what level of precision and accuracy?

Existing data: if there are existing data from pilot studies or previous work, then summarize the findings.

Publications: list pertinent publications

5. CCIM Analytical resources required:

Most projects will have mount preparation, scanning electron microscopy, and ion probe work done within CCIM as an integral part of the study, or in close consultation with our staff if done externally. There are specific requirements for ion probe sample preparation, documentation, and analysis. Normally, you will

supply unmounted, carefully-selected samples for preparation in our facility. Mineral separation is currently not part of our analytical service.

Summarize information on these topics, which you should have already discussed with the CCIM Manager:

- SEM requirements (BSE, CL)
- Ion probe (# days)

Visitor Assistance: although not always required, we welcome project personnel to assist the analytical work and learn about the technique, so let us know who would be available.

6. Budget:

Available funds, and the source of the funds.

7. Schedule:

Desired dates for completion of the analytical work.

8. Outputs:

List those who will be authors and co-authors of published results that may derive from this work. State any requirements for confidentiality.

Note: CCIM authorship agreement

CCIM follows the recommendations published by the US National Academy of Sciences, "On Being a Scientist, a Guide to Responsible Conduct in Research", 3rd edition, available online (<http://www.nap.edu/catalog/12192.html>). In the context of CCIM, investigators are required to abide by the following guidelines concerning authorship of research results: all papers, including conferences and journals, will typically include appropriate authorship credit to CCIM academic personnel involved in the research; contributions of technical staff can be stated in the Acknowledgments. Investigators, particularly students, should discuss authorship plans and concerns with the Lab Manager.

All outputs must include CCIM contact details. The CCIM Project Number would typically be included in the Acknowledgments.