
Contact Information

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Name: Dr. Markus Wälle

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Emergency Information

CEP: 864-4100

Other emergency: 911 (if dialing from the lab phone, press 9-911)

MUN Health and Safety: 864-3786

In order to be granted access to the LA-ICP-MS Lab, there are a few rules that must be followed. Please read the laboratory rules outlined below. These rules apply to **all** lab users. They are designed to ensure that safe lab practices are followed. Ignoring these rules may lead to personal injury and/or damage to lab equipment. Ignoring rules will also result in denied permission for lab access in the future.

Laboratory Staff

Lab IIC1036 is supervised by Research Laboratory Coordinators Dr. Rebecca Lam and Dr. Markus Wälle. Dr. Lam is responsible for the Neptune Multicollector ICP-MS while Dr Wälle is in charge of the ElementXR ICP-MS.

User Responsibilities & Lab Safety

1. All lab users are required to have successfully completed **WHMIS and Lab Safety Training**. For MUN users, this may be from the online program offered by MUN (*i.e.*, Science 1807 – Laboratory Safety and Science for Students, 1808 – WHMIS for Students, or WHMIS and Lab Safety for Staff).
2. Lab users should familiarize themselves with the **LA-ICP-MS Laboratory Safety Plan** and safety data sheets for any chemicals they will be handling. The SDS binder is located on the lab bench to the left of the door to the instrument room.
3. Lab users must abide by safety precautions as outlined by lab staff. There is signage throughout the lab to remind users of any chemicals present and other safety issues.
4. Notify staff immediately of any spills or safety concerns. It is important to remember, **users have the right to refuse unsafe work**.
5. PPE available in the lab include safety glasses, gloves, and lab coats.
6. Lab users should familiarize themselves with the location of the fire alarms/exits, fire extinguishers, and eyewash stations.
7. If the fire alarm sounds, all lab users must leave the lab **immediately**. The last person exiting should make sure the lab door is closed behind them. The assembly point is in Parking Lot 17, between the Bruneau Centre and the University Centre.

Sample Preparation

1. Lab users are fully expected to prepare their own samples for analysis. If there are any questions regarding the process or sample requirements, the user should consult with lab staff.
2. It is the user's responsibility to ensure that:
 - a. Samples for laser ablation will fit in the laser sample holders.
 - b. Samples for solution analyses are prepared in a suitable matrix.
 - c. All samples are labelled.
 - d. Supporting information is available to assist with the analysis where applicable (e.g., photos, BSE or CL images, markings on sample surface, elemental concentrations etc.).
3. Samples may be dropped off ahead of time to reduce set-up time on the day of analysis.

Sample Analysis

1. Users are expected to be present in the lab to run their own samples, under supervision of the lab staff.
 - a. Sessions must be booked ahead of time. Minimum session time is one full workday.
 - b. Lab staff will provide training, instruction and guidance on how to properly use laboratory equipment. Questions are welcome, the lab staff are here to help!
 - c. At the discretion of lab staff, users may be granted permission to continue analyses into the evening hours without supervision.
 - d. Lab staff should be notified immediately if there are instrument errors or if anything unusual is observed in the lab.
2. Users must show up at their scheduled time, which will be communicated by email or by phone.
 - a. If a user cancels with **less than 24 hours notice** or misses a scheduled session, they may still be billed for **half** of the planned session time.
3. It is the user's responsibility to retrieve their samples after their session. Any unclaimed materials may be discarded by staff.
4. Arrangements for data processing should be discussed with lab staff.
 - a. There is one computer with Lolite Software v.3.7 in IIC1003.

By signing below, you acknowledge that you have completed WHMIS and Lab Safety Training, read the rules above, and comply will all lab rules and protocols.

Name (please print): _____ Student #: _____

Signature: _____ Date: _____

I acknowledge that the lab user above has received the training necessary and will be granted access to the lab.

Signature of lab staff: _____ Date: _____