

Monday October 7

- 8:30-9:00am** **Welcome breakfast**
ESB 5th floor lounge
- 9:00-9:30am** **Opening activity**
ESB 5108
- 9:30-10:15am** **Introduction to mass spectrometry: principles & pitfalls**
ESB 5108
Dominique Weis, Professor
Pacific Centre for Isotopic and Geochemical Research, UBC
- 10:30-11:00am** **Introduction to trace elements by ICP-MS: from rocks to results**
ESB 5108
Vivian Lai, Research Associate
Pacific Centre for Isotopic and Geochemical Research, UBC
- 11:15-11:45am** **The application of stable isotopes in forensic anthropology**
ESB 5108
Lynne Bell, Professor
Centre for Forensic Research, School of Criminology, SFU
- 11:45am** **Lab tour** (for those interested)
EOSM 103
Diane Hanano, Project Manager
Pacific Centre for Isotopic and Geochemical Research, UBC

lunch break

- 1:00-2:00pm** **Introduction to Laser Ablation ICPMS and its Application in Earth Sciences**
ESB 5108
Marg Amini, Research Associate
Pacific Centre for Isotopic and Geochemical Research, UBC
- 2:15-3:15pm** **U-Pb geochronology**
ESB 5108
Corey Wall, PhD student
Pacific Centre for Isotopic and Geochemical Research, UBC
- 3:30-4:30pm** **Radioisotopes in oceanography**
ESB 5108
Roger Francois, Professor
Marine Geochemistry and Paleoceanography, UBC

Tuesday October 8

- 9:00-9:45am** **Stable isotopes and M&Ms**
ESB 5106
Alyssa Shiel, Post-Doctoral Fellow
University of Illinois at Urbana–Champaign
- 10:00-10:45am** **Introduction to applications of noble gases, stable isotopes, and radiocarbon in hydrogeology**
ESB 5106
Uli Mayer, Professor
Groundwater Hydrology and Geochemistry, UBC
- 11:00-12:00pm** **Overview of Nu Instruments MC-ICP-MS: focus on the Nu 1700**
ESB 5106
Jamie Williams, Test & Installation Manager
Nu Instruments Ltd.

Multidisciplinary
MAGNET
Applied Geochemistry Network

lunch break

1:00-2:30pm

EOSM 103

ESB 5106

Group 1 – Nu 1700 MC-ICP-MS instrument demo **lab-based training*

Group 2 – Exercises

2:30-4:00pm

ESB 5106

EOSM 103

Group 1 – Exercises

Group 2 – Nu 1700 MC-ICP-MS instrument demo **lab-based training*

4:00-4:30pm

ESB 5106

Closing activity

5:00-7:00pm

EOSM Lobby

Industry networking reception

Event Program

5:00pm: Lab Tours (for those interested)

5:30pm: Welcome & Program Update

Trainee Introductions

Company Announcements

Hors d'oeuvres and refreshments will be served.

Wednesday October 9

8:30am-4:00pm

EOSM 328

(lunch provided)

Instructional Skills Workshop Day 1

Facilitators: Brett Gilley and Jason McAlister

Thursday October 10

8:30am-4:00pm

EOSM 328

(lunch provided)

Instructional Skills Workshop Day 2

Facilitators: Brett Gilley and Jason McAlister

4:00-5:00pm

ESB 5104

EOAS Dept. Colloquium: Non-traditional stable isotope systems to trace metals in the environment

Alyssa Shiel, Post-Doctoral Fellow

University of Illinois at Urbana–Champaign

Friday October 11

8:30am-4:00pm

EOSM 328

(lunch provided)

Instructional Skills Workshop Day 3

Facilitators: Brett Gilley and Jason McAlister

5:00-7:00pm

Mahony & Sons

5990 University Blvd

Farewell gathering