

The McGill *Centre de Recherche en Biologie Structurale* (CRBS) is pleased to announce another round of Structural Biology Boot Camps for the Summer of 2025.

These short, intensive courses are free of charge, and will familiarize attendees with the cutting-edge biophysical tools and computational approaches being conducted by researchers at the CRBS to investigate the frontiers of structural biology. Courses will be led by CRBS researchers who will cover both theoretical and practical aspects of biophysical and computational approaches to problems in structural biology. The 2025 courses will be in-person events.

***Chimera Boot Camp - Instructors: Dominic Arpin & Adwaith Bini Bose Uday**

Thursday, July 10, 10:00 AM – 1:00 PM

McIntyre Building, Room 330

***Analysing Directional Data using VectoRose Bootcamp - Instructor: Benjamin Rudski**

Wednesday, August 6, 10:00 AM – 1:00 PM

McIntyre Building, Room 330

*** Mass Spectrometry for Structural Analysis of Proteins and Post-Translational Modifications Bootcamp - Instructors: Jean-François Trempe & Mark Hancock**

Introductory Lecture (open to all CRBS attendees)

- Monday, Aug. 18 @ 9:30 AM – 11:30 AM, McIntyre Building (Room #1345; seats 50 max)
- Part 1 (Theoretical aspects of mass spectrometry) and Part 2 (Practical applications of mass spectrometry) separated by 15 min break

Practical Workshops (*active WHMIS certification and limited capacity*)

Simultaneous LC-MS and MALDI demos will rotate across three separate time slots

- Monday, Aug. 18 @ 1:00 – 4:00 PM [Group A: Demo 1; Group C: Demo 2]
- Tuesday, Aug. 19 @ 9:00 – 12:00 PM [Group B: Demo 1; Group A: Demo 2]
- Tuesday, Aug. 19 @ 1:00 – 4:00 PM [Group C: Demo 1; Group B: Demo 2]

Demo 1 (Bellini Building, Room #448):

Fast and flexible **LC-MS** analyses with Bruker AmaZon (Ion Trap).

Demo 2 (McIntyre Building, Room #1205):

Fast and flexible **MALDI** analyses with Bruker Microflex (MALDI-TOF) including in-solution trypsin digestion (B.Y.O.P.L. – bring your own pipettes & lab coat).

The introductory lecture is open to all CRBS attendees, but the live demos have limited capacity and are available on a **first-come, first-served basis**. When registering for the practical demos (three rotating groups x 5 trainees per group = 15 slots total), you must hold an active WHMIS certification and bring your own pipettes and lab

coat (MALDI session only). If you cannot attend both demos within your group (A/B/C), please notify us so we can accommodate other interested students.

Registration for the 2025 Boot Camps is *free* at the following link: <https://forms.gle/CLjnkWFoaissYYf97>

Prior to your course, you will be e-mailed any materials you may need to get the most out of your Boot Camp.

We look forward to seeing you at the Boot Camps and please don't hesitate to contact us at csb.med@mcgill.ca if you have any questions.

Best Wishes,

Natalie Zeytuni & Christopher Thibodeaux
Co-chairs, CRBS Training and Awards Committee