



The McGill *Centre de Recherche en Biologie Structurale* (CRBS) is pleased to announce an **X-ray crystallography** Boot Camp for the Summer 2024.

This short, intensive course is free of charge, and will familiarize attendees with the cutting-edge **X-ray crystallography** tools and approaches being conducted by researchers at the CRBS to investigate the frontiers of structural biology. Courses will be led by CRBS researcher Simon Veyron who will cover both theoretical and practical aspects of X-ray crystallography. The 2024 courses will be in-person events.

Registration for the Boot Camp is **free** at the following link before noon on Monday, August 5th, 2024: <https://forms.gle/T4NETSwUM3CF2tDJ8>

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

X-ray crystallography and data processing for protein structure determination

Instructor: Simon Veyron

Dates and Times:

Introductory Lecture in Karp auditorium (GCI room 501)

- Tuesday, Aug. 6, 10:00 AM – 11:00 AM

There will be 3 sessions of the same demos.

- Tuesday, Aug. 6, 1:00 PM – 3:00 PM
- Tuesday, Aug. 6, 3:00 PM – 5:00 PM
- Thursday, Aug. 8, 9:00 AM – 11:00 AM

*Demos will be held in **Bellini Building, Room 446** (Formulatrix NT8 Crystallization robot) and **445** (Bruker D8 Venture Single-Crystal X-ray Diffractometer)*

Crystallization tray laying with the Formulatrix NT8 Crystallization robot.

Lysozyme crystals fishing and freezing

X-ray diffraction by protein crystals with the Bruker D8 Venture Single-Crystal X-ray Diffractometer.

Data processing and structure determination with autoProc, the Phenix suite and coot.

The introductory lecture is open to all who care to attend, but the live demos have limited capacity and are on a **first-come, first-serve basis**. There are 18 total slots available for the live demos (three groups, with 6 students per group). When registering, please indicate whether you would like to attend the demos.

Best Wishes,

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