

Resource Summary Report

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University of Montreal Structural Biology Platform Core Facility

RRID:SCR_022303

Type: Tool

Proper Citation

University of Montreal Structural Biology Platform Core Facility (RRID:SCR_022303)

Resource Information

URL: <https://wiki.umontreal.ca/display/BiologieStructurale/Presentation+of+the+platform>

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Description: Offers access to several scientific instruments intended to answer structural biological questions for scientific community. Consists of high field nuclear magnetic resonance spectrometers (500 MHz, 600 MHz with cryo-probe and 700 MHz) controlled with recent NEO consoles from Bruker, small angle X-rays scattering (SAXS) instrument, with high throughput robotics. SAXS can be coupled to liquid chromatography system for SEC-SAXS applications. Other instruments include size exclusion chromatography system coupled to multi angle light scattering detector (SEC-MALS), isothermal titration calorimetry (ITC) instrument as well as several liquid handling robots for rapid bio molecular crystal preparation and screening. Users have also access to bio-informatics room with several Linux computers for data analysis. Personnel is available and will teach and support users on instruments, research consultation and turn key services are also available upon request.

Synonyms: Structural Biology Platform at the Universit? de Montr?a, UdeM-Structural biology platform

Resource Type: core facility, access service resource, service resource

Keywords: USEDit, ABRF, Structural Biology, nuclear magnetic resonance spectrometers, SAXS, liquid chromatography system, SEC-SAXS, SEC-MALS

Resource Name: University of Montreal Structural Biology Platform Core Facility

Resource ID: SCR_022303

Alternate IDs: ABRF_1363

Alternate URLs: <https://coremarketplace.org/?FacilityID=1363&citation=1>

Record Creation Time: 20220519T050142+0000

Record Last Update: 20260808T190701+0000

Ratings and Alerts

No rating or validation information has been found for University of Montreal Structural Biology Platform Core Facility.

No alerts have been found for University of Montreal Structural Biology Platform Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Gemeinhardt TM, et al. (2025) A disordered linker in the Polycomb protein Polyhomeotic tunes phase separation and oligomerization. Molecular cell, 85(11), 2128.

Bayne AN, et al. (2025) Substrate recognition by the human mitochondrial processing peptidase and its processing of PINK1. The Journal of biological chemistry, 301(12), 110860.

Gemeinhardt TM, et al. (2023) How a disordered linker in the Polycomb protein Polyhomeotic tunes phase separation and oligomerization. bioRxiv : the preprint server for biology.

Gopinathan Nair A, et al. (2022) Unorthodox PCNA Binding by Chromatin Assembly Factor 1. International journal of molecular sciences, 23(19).