

Resource Summary Report

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McGill University Advanced BioImaging Facility (ABIF)

RRID:SCR_017697

Type: Tool

Proper Citation

McGill University Advanced BioImaging Facility (ABIF) (RRID:SCR_017697)

Resource Information

URL: <https://www.mcgill.ca/abif/>

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Description: Core offers light microscopy platforms providing guidance to researchers with their projects from sample preparation to data analysis, expertise in cellular imaging including live cell imaging, FRAP, Fluorescence Lifetime Imaging Microscopy (FLIM), FRET, FCS, image correlation spectroscopy, TIRF, spectral imaging, lattice lightsheet, stimulated emission depletion (STED), high content screening, cellular image analysis, and custom image analysis, consultations, image processing, image analysis and preparation of data for publication.

Abbreviations: ABIF

Synonyms: Advanced BioImaging Facility, McGill University Advanced BioImaging Core Facility

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

Keywords: Light, microscopy, cellular, imaging, live cell, FRAP, FLIM, FRET, FCS, spectroscopy, TIRF, lattice lightsheet, STED, analysis, data, core, service

Resource Name: McGill University Advanced BioImaging Facility (ABIF)

Resource ID: SCR_017697

Alternate IDs: ABRF_118, SCR_017719

Record Creation Time: 20220129T080336+0000

Record Last Update: 20260821T194119+0000

Ratings and Alerts

No rating or validation information has been found for McGill University Advanced BioImaging Facility (ABIF).

No alerts have been found for McGill University Advanced BioImaging Facility (ABIF).

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 68 mentions in open access literature.

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

Pérez-Vargas J, et al. (2026) A reversible broad-spectrum antiviral targets the human V-ATPase VO domain. Research square.

Boivin JC, et al. (2026) A positive feedback loop between sensory and octopaminergic neurons underlies nociceptive plasticity in Drosophila larvae. PLoS genetics, 22(4), e1012122.

Graham-Paquin AL, et al. (2026) Apoptotic cell clearance triggers epithelial fate reprogramming during prostate regression. Cell death & disease, 17(1).

Moleón VR, et al. (2026) A guide to selecting high-performing antibodies for ARID2 (UniProt ID: Q68CP9) for use in western blot, immunoprecipitation, and immunofluorescence. F1000Research, 15, 614.

Wheatley SK, et al. (2026) Microfluidic encapsulation of the human gut microbiota-a tool for research and beyond. Microsystems & nanoengineering, 12(1).

Thompson K, et al. (2026) Making the invisible visible: A global examination of careers and recognition for Imaging Scientists in core facilities. Journal of microscopy, 302(3), 274.

Reis Y, et al. (2026) People-centred funding as a catalyst for sustainable imaging infrastructure. Journal of microscopy, 302(3), 295.

Postat J, et al. (2026) Mechanosensing by T cells promotes a tissue-resident memory transcriptional program. Nature immunology, 27(8), 1708.

Iyer ES, et al. (2026) GABAergic neurons in medial prefrontal cortex and ventral hippocampus encode information about reward history in male mice. Cell reports, 45(7), 117617.

Wang J, et al. (2025) Nipah virus matrix protein uses cortical actin to stabilize the virus assembly sites and promote budding. Science advances, 11(38), eadw4609.

Moleón VR, et al. (2025) A guide to selecting high-performing antibodies for Optineurin (UniProt ID: Q96CV9) for use in western blot, immunoprecipitation, and immunofluorescence. F1000Research, 14, 1137.

Ruíz Moleón V, et al. (2025) A guide to selecting high-performing antibodies for TAF15 (UniProt ID: Q92804) for use in western blot, immunoprecipitation, and immunofluorescence. F1000Research, 14, 37.

Worrall D, et al. (2025) A guide to selecting high-performing antibodies for GCase (UniProt ID: P04062) for use in western blot, immunoprecipitation, and immunofluorescence. F1000Research, 14, 1400.

Moleón VR, et al. (2025) A guide to selecting high-performing antibodies for Heterogeneous nuclear ribonucleoproteins A2/B1(hnRNP A2/B1) (UniProt ID: P22626) for use in western blot, immunoprecipitation, and immunofluorescence. F1000Research, 14, 1158.

Ruíz Moleón V, et al. (2025) A guide to selecting high-performing antibodies for Stearoyl-CoA desaturase (SCD1) (UniProt ID: O00767) for use in western blot, immunoprecipitation, and immunofluorescence. F1000Research, 14, 10.

Sébastien M, et al. (2025) Doublecortin restricts neuronal branching by regulating tubulin polyglutamylation. Nature communications, 16(1), 1749.

Penalva YCM, et al. (2025) Loss of the APP regulator RHBDL4 preserves memory in an Alzheimer's disease mouse model. Cell death & disease, 16(1), 280.

Moleón VR, et al. (2025) A guide to selecting high-performing antibodies for VCP (UniProt ID: P55072) for use in western blot, immunoprecipitation, and immunofluorescence. F1000Research, 14, 891.

Sébastien M, et al. (2025) Measurements of neurite extension and nucleokinesis in an iPSC-derived model system following microtubule perturbation. Molecular biology of the cell, 36(1), mr1.

Iyer ES, et al. (2025) Reward integration in prefrontal-cortical and ventral-hippocampal nucleus accumbens inputs cooperatively modulates engagement. Nature communications, 16(1), 3573.