

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, service resource, core facility

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: 20260806T054650+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 54 mentions in open access literature.

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

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.

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.

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.

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.

Bunk J, et al. (2025) The Futile Creatine Cycle powers UCP1-independent thermogenesis in classical BAT. *Nature communications*, 16(1), 3221.

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.

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.

Paquette AL, et al. (2025) Competition for microtubule lattice spacing between a microtubule expander and compactor. *Current biology : CB*.

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.

Berry D, et al. (2025) The NF1 tumor suppressor regulates PD-L1 and immune evasion in melanoma. *Cell reports*, 44(3), 115365.

Ayoubi R, et al. (2024) A guide to selecting high-performing antibodies for CSNK2A1 (UniProt ID: P68400) for use in western blot, immunoprecipitation and immunofluorescence. *F1000Research*, 13, 781.

Ruíz Moleón V, et al. (2024) A guide to selecting high-performing antibodies for Rab10 (UniProt ID: P61026) for use in western blot, immunoprecipitation, and immunofluorescence. *F1000Research*, 13, 1061.

Qiu H, et al. (2024) Parvalbumin gates chronic pain through the modulation of firing patterns in inhibitory neurons. *Proceedings of the National Academy of Sciences of the United States of America*, 121(27), e2403777121.

Ruíz Moleón V, et al. (2024) A guide to selecting high-performing antibodies for ADNP (UniProt ID: Q9H2P0) for use in western blot, immunoprecipitation, and immunofluorescence. *F1000Research*, 13, 1545.

Ayoubi R, et al. (2024) A guide to selecting high-performing antibodies for S1PR1 (UniProt ID: P21453) for use in western blot, immunoprecipitation, and immunofluorescence. *F1000Research*, 13, 792.

Fanti R, et al. (2024) A guide to selecting high-performing antibodies for Huntingtin (UniProt ID: P42858) for use in western blot, immunoprecipitation, and immunofluorescence. *F1000Research*, 13, 922.

Biddle MS, et al. (2024) A guide to selecting high-performing antibodies for Synaptotagmin-1 (UniProt ID P21579) for use in western blot, immunoprecipitation, immunofluorescence and flow cytometry. *F1000Research*, 13, 817.

Viala S, et al. (2024) LGN loss randomizes spindle orientation and accelerates tumorigenesis in PTEN-deficient epidermis. *Molecular biology of the cell*, 35(2), br5.