

Resource Summary Report

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University of Ottawa Cell Biology and Image Acquisition Core Facility

RRID:SCR_021845

Type: Tool

Proper Citation

University of Ottawa Cell Biology and Image Acquisition Core Facility
(RRID:SCR_021845)

Resource Information

URL: <https://med.uottawa.ca/core-facilities/facilities/cbia>

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Description: Core provides advanced microscopes, image analysis tools, and technical support to facilitate your microscopy research. Offers consultations to determine appropriate microscope for your specific needs and proper design of your experimental set up.

Abbreviations: CBIA

Synonyms: University of Ottawa Cell Biology and Image Acquisition (CBIA) Core, Cell Biology and Image Acquisition (CBIA) Core

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

Keywords: USEDit, ABRF, microscope, image analysis

Availability: open

Resource Name: University of Ottawa Cell Biology and Image Acquisition Core Facility

Resource ID: SCR_021845

Alternate IDs: ABRF_1251

Alternate URLs: <https://coremarketplace.org/?FacilityID=1251>

Record Creation Time: 20220129T080357+0000

Record Last Update: 20260731T043109+0000

Ratings and Alerts

No rating or validation information has been found for University of Ottawa Cell Biology and Image Acquisition Core Facility.

No alerts have been found for University of Ottawa Cell Biology and Image Acquisition Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 60 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#).

Kanaan MN, et al. (2025) Impaired xCT-mediated cystine uptake drives serine and proline metabolic reprogramming and mitochondrial fission in skeletal muscle cells. *Redox biology*, 86, 103839.

Clugston JD, et al. (2025) The formin FMNL2 plays a role in the response of melanoma cells to substrate stiffness. *BMC molecular and cell biology*, 26(1), 13.

Akuma M, et al. (2025) Loss of VHL-mediated pRb regulation promotes clear cell renal cell carcinoma. *Cell death & disease*, 16(1), 307.

Saharkhiz S, et al. (2025) VNC-Dist: A machine learning-based semi-automated pipeline for quantification of neuronal position in the *C. elegans* ventral nerve cord. *PloS one*, 20(8), e0331188.

Douvris A, et al. (2025) miR-486-5p Inhibits eNOS and Angiogenesis in Cultured Endothelial Cells by Targeting MAML3. *Journal of cellular and molecular medicine*, 29(11), e70589.

Mottawea W, et al. (2025) Multi-level analysis of gut microbiome extracellular vesicles-host interaction reveals a connection to gut-brain axis signaling. *Microbiology spectrum*, 13(2), e0136824.

Suk TR, et al. (2025) A stress-dependent TDP-43 SUMOylation program preserves neuronal function. *Molecular neurodegeneration*, 20(1), 38.

Esper ME, et al. (2025) Intrinsic Muscle Stem Cell Dysfunction Contributes to Impaired Regeneration in the mdx Mouse. *Journal of cachexia, sarcopenia and muscle*, 16(1), e13682.

Esper ME, et al. (2025) Intrinsic dysfunction in muscle stem cells lacking dystrophin begins during secondary myogenesis. *Nature communications*, 16(1), 10031.

Saharkhiz S, et al. (2025) VNC-Dist: A machine learning-based semi-automated pipeline for quantification of neuronal positioning in the *C. elegans* ventral nerve cord. *bioRxiv : the preprint server for biology*.

Abdoli A, et al. (2025) Probing the extent of importin- α targeting of the TAF8 NLS by eliminating its cationic net-charge. *Protein science : a publication of the Protein Society*, 34(9), e70272.

Losier TT, et al. (2025) Identification of organelle-specific autophagy regulators from tandem CRISPR screens. *The Journal of cell biology*, 224(10).

Tantawi H, et al. (2025) A Nucleoside Analogue Featuring a C3'-Stereogenic All-Carbon Quaternary Center as a Bioenergetic Disruptor of KRAS-Mutated Pancreatic Cancer Cells. *ACS medicinal chemistry letters*, 16(9), 1814.

Marymonchyk A, et al. (2025) Neural stem cell quiescence and activation dynamics are regulated by feedback input from their progeny under homeostatic and regenerative conditions. *Cell stem cell*, 32(3), 445.

Constantinescu VS, et al. (2025) Calretinin-Expressing Neurons in the Basal Forebrain Specifically Contact Granule Cells in the Olfactory Bulb and Modulate Odor Learning. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 45(10).

Gatica D, et al. (2025) The ER-phagy receptor FAM134B is targeted by *Salmonella Typhimurium* to promote infection. *Nature communications*, 16(1), 2923.

Boucher DM, et al. (2025) Age-Related Impairments in Immune Cell Efferocytosis and Autophagy Hinder Atherosclerosis Regression. *Arteriosclerosis, thrombosis, and vascular biology*, 45(4), 481.

Joyal M, et al. (2025) Sialyl Lewisx Glycomimetics as E- and P-Selectin Antagonists Targeting Hyperinflammation. *ACS medicinal chemistry letters*, 16(1), 64.

Noblett N, et al. (2025) Nuclear hormone receptor regulation of PAL-1/Caudal mediates ventral nerve cord assembly in *C. elegans*. *Developmental biology*, 528, 13.

Taha Z, et al. (2024) Complementary dual-virus strategy drives synthetic target and cognate T-cell engager expression for endogenous-antigen agnostic immunotherapy. *Nature communications*, 15(1), 7267.