

Resource Summary Report

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University of Ottawa Louise Pelletier Histology Core Facility

RRID:SCR_021737

Type: Tool

Proper Citation

University of Ottawa Louise Pelletier Histology Core Facility (RRID:SCR_021737)

Resource Information

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

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Description: Core is full service histology laboratory available to faculty, researchers, clinicians and students. Provides histological services for both animal and human tissue. Services include paraffin processing and embedding, paraffin and frozen sectioning as well as routine and special histological staining. Equipment includes: Leica Bond III Immunostainer to provide automated immunohistochemistry, in-situ hybridization and immunofluorescence staining; Automated tissue processors for paraffin processing; Automated microtomes for paraffin sectioning; Automated stainer that can be programmed to provide wide variety of routine and special stains; Cryostats for sectioning frozen tissue; Tissue Microarray machine. LPHCF can also perform manual chromogenic or fluorescent staining (single or multi-color labelling) on frozen and paraffin sections. We also provide full service slide scanning using Axio Scan.Z1 for Brightfield or Fluorescent stained slides at either 20X or 40X magnification. Personnel in the LPHCF are available for consultation on project/protocol design, technical assistance and training on facility instruments. Infinity software system is used for all of our histological services and instrument training.

Abbreviations: HCF

Synonyms: Louise Pelletier Histology Core Facility

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

Keywords: USEdit, ABRF, histological services, animal tissue, human tissue

Resource Name: University of Ottawa Louise Pelletier Histology Core Facility

Resource ID: SCR_021737

Alternate IDs: ABRF_1211

Alternate URLs: <https://coremarketplace.org/?FacilityID=1211>

Record Creation Time: 20220129T080357+0000

Record Last Update: 20260731T043054+0000

Ratings and Alerts

No rating or validation information has been found for University of Ottawa Louise Pelletier Histology Core Facility.

No alerts have been found for University of Ottawa Louise Pelletier Histology Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 43 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.

Ibrahim D, et al. (2025) Transglutaminase 2 regulates ovarian cancer metastasis by modulating the immune microenvironment. Frontiers in immunology, 16, 1639853.

Couvrette LJ, et al. (2025) Poly-L-Ornithine coated plant scaffolds support motor recovery in rats after traumatic spinal cord injury. Scientific reports, 15(1), 38080.

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

Liang L, et al. (2025) Walking elicits muscle functional changes in the pectoral fin of *Polypterus senegalus*. The Journal of experimental biology, 228(21).

Madani J, et al. (2025) CD8 T Cell Hyperfunction and Reduced Tumour Control in Murine Models of Advanced Liver Disease. European journal of immunology, 55(8), e70026.

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

Lui M, et al. (2025) Transglutaminase 2 function in glioblastoma tumor efferocytosis. Cell death & disease, 16(1), 487.

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.

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

Ivanova A, et al. (2025) Depletion of nuclear cytoophidia in Alzheimer's disease. *Free neuropathology*, 6, 8.

Poitras M, et al. (2025) Chronic social isolation, crowding, and instability distinctly impact reproductive function in adult female Wistar rats. *Hormones and behavior*, 176, 105835.

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

Keller BA, et al. (2025) RNA-seq of penile squamous cell carcinoma shows ODC1 overexpression is associated with worse overall survival. *Virchows Archiv : an international journal of pathology*, 487(2), 445.

Fong-McMaster C, et al. (2025) Integrated bioinformatic and in vivo analysis confirms the cardioprotective role of OPA1. *BMC cardiovascular disorders*, 26(1), 31.

Galpin KJC, et al. (2024) FGL2 promotes tumour growth and attenuates infiltration of activated immune cells in melanoma and ovarian cancer models. *Scientific reports*, 14(1), 787.

Dias AP, et al. (2024) SLMAP3 is crucial for organogenesis through mechanisms involving primary cilia formation. *Open biology*, 14(10), rsob240206.

Jirovec A, et al. (2024) Immune profiling of dedifferentiated liposarcoma and identification of novel antigens for targeted immunotherapy. *Scientific reports*, 14(1), 11254.

Kanaan MN, et al. (2024) Cystine/glutamate antiporter xCT controls skeletal muscle glutathione redox, bioenergetics and differentiation. *Redox biology*, 73, 103213.

Hodgins JJ, et al. (2024) PD-L1 promotes oncolytic virus infection via a metabolic shift that inhibits the type I IFN pathway. *The Journal of experimental medicine*, 221(7).