

Resource Summary Report

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University of Alberta Faculty of Medicine and Dentistry High Content Analysis Core Facility

RRID:SCR_019182

Type: Tool

Proper Citation

University of Alberta Faculty of Medicine and Dentistry High Content Analysis Core Facility (RRID:SCR_019182)

Resource Information

URL: <https://www.ualberta.ca/medicine/research/corefacilities/hcacore/index.html>

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Description: Core houses equipment to manage and automate large-scale experiments in areas such as drug discovery and single cell analysis. From sample processing and liquid handling to quantitative analysis of sequencing, imaging, and fluorescent data, core offers high throughput methods for screening needs.

Abbreviations: FoMD HCA

Synonyms: Faculty of Medicine and Dentistry High Content Analysis Core

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

Keywords: USEdit, drug discovery, single cell analysis, sample processing, liquid handling, sequencing data quantitative analysis, imaging data quantitative analysis, fluorescent data analysis, ABRF, ABRF

Resource Name: University of Alberta Faculty of Medicine and Dentistry High Content Analysis Core Facility

Resource ID: SCR_019182

Alternate IDs: ABRF_1078

Alternate URLs: <https://coremarketplace.org/?FacilityID=1078>

Record Creation Time: 20220129T080343+0000

Record Last Update: 20260808T190656+0000

Ratings and Alerts

No rating or validation information has been found for University of Alberta Faculty of Medicine and Dentistry High Content Analysis Core Facility.

No alerts have been found for University of Alberta Faculty of Medicine and Dentistry High Content Analysis Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Shahbaz S, et al. (2026) Soluble CD14 promotes Th17 expansion and differentiation through gamma-aminobutyric acid and expands infidel innate lymphoid cells. PNAS nexus, 5(1), pgaf406.

Jovel J, et al. (2026) Single-cell genomic analysis of cancer cells from one treatment-naïve patient with metastatic prostate cancer. BMC genomic data, 27(1).

Shaha SZ, et al. (2026) aPKC-? III promotes trophoblast fusion by altering Par-3 interactions with Hippo signaling kinase LATS1. Stem cell reports, 21(7), 102975.

Al Rimon R, et al. (2026) Necroptosis is a key contributor to impaired cardiac repair following myocardial infarction. Cell death & disease.

Shahbaz S, et al. (2025) Integrated immune, hormonal, and transcriptomic profiling reveals sex-specific dysregulation in long COVID patients with ME/CFS. Cell reports. Medicine, 6(11), 102449.

Garcia Rivas JF, et al. (2025) Mesenchymal retinoic acid signaling is required for normal diaphragm development in mice. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 39(3), e70381.

Duan WK, et al. (2025) Placental cytotrophoblast microvillar stabilization is required for cell-cell fusion. Development (Cambridge, England), 152(7).

Rivas JFG, et al. (2025) A single cell transcriptomic resource of murine implantation sites at embryonic days 6.5 and 10.5. Biology of reproduction.

Adegoke AO, et al. (2024) Internal regulation between constitutively expressed T cell co-inhibitory receptors BTLA and CD5 and tolerance in recent thymic emigrants. Open biology, 14(10), 240178.

Shouib R, et al. (2024) Inflammatory gene regulation by Cdc42 in airway epithelial cells. *Cellular signalling*, 122, 111321.

Keegan SE, et al. (2023) A chromatin remodelling SWI/SNF subunit, Snr1, regulates neural stem cell determination and differentiation. *Development (Cambridge, England)*, 150(13).

Friedman TN, et al. (2023) Sex differences in peripheral immune cell activation: Implications for pain and pain resolution. *Brain, behavior, and immunity*, 114, 80.

Jones LO, et al. (2023) Single-cell resolution of the adult zebrafish intestine under conventional conditions and in response to an acute *Vibrio cholerae* infection. *Cell reports*, 42(11), 113407.

Makwero M, et al. (2022) An insight into patients' perspectives on barriers affecting participation in shared decision making among patients with diabetes mellitus in Malawi. *BMC primary care*, 23(1), 42.

Shouib R, et al. (2022) Cdc42 regulates cytokine expression and trafficking in bronchial epithelial cells. *Frontiers in immunology*, 13, 1069499.