Resource Summary Report

Generated by NIF on May 8, 2025

University of British Columbia NeuroImaging and NeuroComputation Centre Core Facility

RRID:SCR_019086
Type: Tool

Proper Citation

University of British Columbia NeuroImaging and NeuroComputation Centre Core Facility (RRID:SCR_019086)

Resource Information

URL: https://ninc.centreforbrainhealth.ca

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Description: Core facility at Djavad Mowafaghian Centre for Brain Health located at University of British Columbia Hospital on Point Grey campus in Vancouver, BC. NINC offers access to advanced imaging systems and computational resources including confocal and two photon microscopes,live cell imaging, optical coherence tomography, training students and researchers in neuroscience research techniques.

Abbreviations: NINC

Synonyms: University of British Columbia UBC NeuroImaging-NeuroComputation Centre, UBC NeuroImaging-NeuroComputation Centre

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

Keywords: USEDit, neuroimaging, neurocomputation, confocal microscopy, two photon microsopy, live cell imaging, optical coherence tomography, ABRF, ABRF

Funding:

Resource Name: University of British Columbia NeuroImaging and NeuroComputation Centre Core Facility

Resource ID: SCR_019086

Alternate IDs: ABRF_1057

Alternate URLs: https://coremarketplace.org/?FacilityID=1057

Record Creation Time: 20220129T080343+0000

Record Last Update: 20250508T065907+0000

Ratings and Alerts

No rating or validation information has been found for University of British Columbia NeuroImaging and NeuroComputation Centre Core Facility.

No alerts have been found for University of British Columbia NeuroImaging and NeuroComputation Centre Core Facility.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 30 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Koch ET, et al. (2024) Deep behavioural phenotyping of the Q175 Huntington disease mouse model: effects of age, sex, and weight. BMC biology, 22(1), 121.

Robinson K, et al. (2024) Mapping proteomic composition of excitatory postsynaptic sites in the cerebellar cortex. Frontiers in molecular neuroscience, 17, 1381534.

Cao Y, et al. (2024) Scholar Metrics Scraper (SMS): automated retrieval of citation and author data. Frontiers in research metrics and analytics, 9, 1335454.

Kapustina M, et al. (2024) The cell-type-specific spatial organization of the anterior thalamic nuclei of the mouse brain. Cell reports, 43(3), 113842.

Delhaye M, et al. (2024) Adaptation of Magnified Analysis of the Proteome for Excitatory Synaptic Proteins in Varied Samples and Evaluation of Cell Type-Specific Distributions. The Journal of neuroscience : the official journal of the Society for Neuroscience, 44(14).

Nassrallah WB, et al. (2024) Mechanisms of synapse-to-nucleus calcium signalling in striatal neurons and impairments in Huntington's disease. Journal of neurochemistry, 168(9), 2671.

Xiao D, et al. (2023) Mesotrode chronic simultaneous mesoscale cortical imaging and subcortical or peripheral nerve spiking activity recording in mice. eLife, 12.

Michelson NJ, et al. (2023) Meso-Py: Dual Brain Cortical Calcium Imaging in Mice during Head-Fixed Social Stimulus Presentation. eNeuro, 10(12).

Sullivan KE, et al. (2023) Sharp cell-type-identity changes differentiate the retrosplenial cortex from the neocortex. Cell reports, 42(3), 112206.

Nuechterlein A, et al. (2023) Open science in play and in tension with patent protections. Journal of law and the biosciences, 10(2), lsad016.

Fong T, et al. (2023) PyMouseTracks: Flexible Computer Vision and RFID-Based System for Multiple Mouse Tracking and Behavioral Assessment. eNeuro, 10(5).

Wild AR, et al. (2023) CellPalmSeq: A curated RNAseq database of palmitoylating and de-palmitoylating enzyme expression in human cell types and laboratory cell lines. Frontiers in physiology, 14, 1110550.

Ramandi D, et al. (2023) Chronic multiscale resolution of mouse brain networks using combined mesoscale cortical imaging and subcortical fiber photometry. Neurophotonics, 10(1), 015001.

Weilinger NL, et al. (2023) Pannexin-1 opening in neuronal edema causes cell death but also leads to protection via increased microglia contacts. Cell reports, 42(10), 113128.

Mackay JP, et al. (2023) Axonal ER Ca2+ Release Selectively Enhances Activity-Independent Glutamate Release in a Huntington Disease Model. The Journal of neuroscience : the official journal of the Society for Neuroscience, 43(20), 3743.

Wang Y, et al. (2023) Water-Reaching Platform for Longitudinal Assessment of Cortical Activity and Fine Motor Coordination Defects in a Huntington Disease Mouse Model. eNeuro, 10(1).

Wild AR, et al. (2022) Exploring the expression patterns of palmitoylating and de-palmitoylating enzymes in the mouse brain using the curated RNA-seq database BrainPalmSeq. eLife, 11.

Sepers MD, et al. (2022) Altered cortical processing of sensory input in Huntington disease mouse models. Neurobiology of disease, 169, 105740.

Koch ET, et al. (2022) Early Changes in Striatal Activity and Motor Kinematics in a Huntington's Disease Mouse Model. Movement disorders : official journal of the Movement Disorder Society, 37(10), 2021.

Hu H, et al. (2022) Towards a Visualizable, De-identified Synthetic Biomarker of Human

Movement Disorders. Journal of Parkinson's disease, 1(-1), 2085.