Resource Summary Report

Generated by SPARC SAWG on Sep 14, 2026

CERVO Canadian Optogenetics and Vectorology Foundry Core Facility

RRID:SCR_016477
Type: Tool

Proper Citation

CERVO Canadian Optogenetics and Vectorology Foundry Core Facility (RRID:SCR_016477)

Resource Information

URL: https://tools.neurophotonics.ca/

Proper Citation: CERVO Canadian Optogenetics and Vectorology Foundry Core Facility (RRID:SCR_016477)

Description: Core facility responsible for custom adeno-associated virus (AAV) and lentivirus production available through Canadian Neurophotonics Platform. Services include design, cloning and production of molecular constructions in order to produce plasmid expression vectors or to generate transgenic animals and design, including advice and assistance for choice of suitable vectors required by investigators.

Abbreviations: COVF, MTP, CNP

Synonyms: Canadian Molecular Tools Platform Core Facility, Canadian Neurophotonics Centre Molecular Tools Platform Core Facility, Neurophotonics Platform Viral Vector Core, Canadian Neurophotonics Platform - Viral Vector Facility, Molecular Tools Platform, Canadian Neurophotonics Platform Viral Vector Core

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

Keywords: ABRF, Adenovirus, retrovirus, lentivirus, viral vector production, molecular construction production, molecular construction design, molecular construction cloning, ABRF, optogenetics

Funding: Brain Canada Foundation

Availability: Restricted

Resource Name: CERVO Canadian Optogenetics and Vectorology Foundry Core Facility

Resource ID: SCR_016477

Alternate IDs: SCR_019051, ABRF_681

Alternate URLs: https://neurophotonics.ca/viral-vector-facility;https://neurophotonics.ca/covf

Record Creation Time: 20220129T080330+0000

Record Last Update: 20260912T200359+0000

Ratings and Alerts

No rating or validation information has been found for CERVO Canadian Optogenetics and Vectorology Foundry Core Facility.

No alerts have been found for CERVO Canadian Optogenetics and Vectorology Foundry Core Facility.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 69 mentions in open access literature.

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

Land M, et al. (2026) Designer indicators for two-photon recording of subthreshold voltage dynamics. bioRxiv : the preprint server for biology.

Lalibert?? G, et al. (2026) Cortical functional connectivity in mouse models of early blindness: enucleation vs. anophthalmia. Cerebral cortex (New York, N.Y. : 1991), 36(6).

Ghenissa O, et al. (2026) Basolateral amygdala astrocytes encode anxiety states. Neuron, 114(14), 2623.

Land MA, et al. (2026) Designer indicators for two-photon recording of subthreshold voltage dynamics. Nature methods, 23(5), 986.

Wang X, et al. (2026) Astrocytic glucose metabolism regulates the survival of newborn hippocampal neurons in the adult brain. Neuron.

Ye D, et al. (2026) Whole-brain biodistribution of AAV2, AAV8, and AAV-B10 after unilateral intracerebroventricular injection. Molecular therapy. Advances, 34(3), 201798.

Wright WJ, et al. (2026) Local plasticity underlies the reorganization of cortical circuit dynamics during motor learning. Current biology : CB, 36(12), 3020.

Alsalman M, et al. (2026) Hippocampal CA1 and CA2 dendritic compartment-specific differences in mitochondrial form and function. Progress in neurobiology, 262, 102931.

Srikanta SB, et al. (2025) The Deubiquitinase USP2 Modulates Photic Entrainment of the Circadian Clock at the Level of the Suprachiasmatic Nucleus. Journal of neurochemistry, 169(2), e70018.

Nguyen NV, et al. (2025) Targeted spiral ganglion neuron degeneration in parvalbumin-Cre neonatal mice. Molecular therapy. Methods & clinical development, 33(2), 101440.

Keramidis I, et al. (2025) Chronic optogenetic activation of hippocampal CA1 neurons triggers Alzheimer's disease-like proteomic remodeling. iScience, 28(10), 113454.

Patel ZH, et al. (2025) Capicua regulates the survival of Cajal-Retzius cells in the postnatal hippocampus. Cell death & disease, 16(1), 898.

Rezaei E, et al. (2025) Characterization of iGABASnFR2 for in vivo mesoscale imaging of intracortical GABA dynamics. Neurophotonics, 12(3), 035006.

Hampton RF, et al. (2025) Nutrient excess remodels islet autonomic innervation via pancreatic schwann cells. bioRxiv : the preprint server for biology.

Depaauw-Holt LR, et al. (2025) A divergent astrocytic response to stress alters activity patterns via distinct mechanisms in male and female mice. Nature communications, 16(1), 6372.

Hernandez G, et al. (2025) Amphetamine in adolescence induces a sex-specific mesolimbic dopamine phenotype in the adult prefrontal cortex. Communications biology, 9(1), 12.

Hernandez G, et al. (2025) Amphetamine in Adolescence Induces a Sex-Specific Mesolimbic Dopamine Phenotype in the Adult Prefrontal Cortex. bioRxiv : the preprint server for biology.

Alsalman M, et al. (2025) Hippocampal cell- and circuit-specific differences in mitochondrial form and function. bioRxiv : the preprint server for biology.

Bono BS, et al. (2025) Brainwide Projections of Mouse Dopaminergic Zona Incerta Neurons. The Journal of comparative neurology, 533(3), e70039.

Carty JRE, et al. (2025) Amygdala-liver signalling orchestrates glycaemic responses to stress. Nature.