Resource Summary Report

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MGH Confocal Microscope Core

RRID:SCR_009921
Type: Tool

Proper Citation

MGH Confocal Microscope Core (RRID:SCR_009921)

Resource Information

URL: http://harvard.eagle-i.net/i/0000012e-9652-3f24-55da-381e80000000

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Description: Core facility that provides the following services: Double- and triple-labeling experiments, Acquisition of high-resolution images: 2048 x 2048 pixels, Single molecule visualization, allowing dynamic observation and functional analyses of both in vivo and living cells, Total internal reflection fluorescence experiments (TIRF).

This Core consists of a Zeiss LSM 5 Pascal laser confocal microscope with a Zeiss RGB vario laser module and Nikon C1 Confocal/TIRF System with 3 PMT. A Zeiss Axiovert 200 fully motorized light microscope is available with fluorescence, bright-field, phase-contrast and Nomarski (DIC) capabilities. Image acquisition and analyses are performed using Zeiss LSM 5 Pascal Confocal Microscopy Software (Release 3.2) on 2 workstations. Zeiss Physiology software is available also. Live cell imaging is available using a Zeiss temperature controller with custom chamber and heating stage. The Nikon C1 Confocal/TIRF System fully motorized Nikon Eclipse Ti microscope is available with fluorescence, bright-field and TIRF capabilities. Imaging acquisition and analyses are performed using EZ-C1 and NIC-Elements Software.

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

Keywords: immunofluorescence microscopy assay, imaging technique

Funding:

Resource Name: MGH Confocal Microscope Core

Resource ID: SCR_009921

Alternate IDs: nlx_156388

Alternate URLs:
http://www.partners.org/researchcores/confocal/confocal_neuroscience_MGH.asp,
http://www2.massgeneral.org/ncs/neuro_core_ConfocalMicroscope.htm

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Ratings and Alerts

No rating or validation information has been found for MGH Confocal Microscope Core.

No alerts have been found for MGH Confocal Microscope Core.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Schweikert LE, et al. (2016) Evolutionary loss of cone photoreception in balaenid whales reveals circuit stability in the mammalian retina. The Journal of comparative neurology, 524(14), 2873.