

Resource Summary Report

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Olympus: FV1000 Confocal Microscope

RRID:SCR_016840

Type: Tool

Proper Citation

Olympus: FV1000 Confocal Microscope (RRID:SCR_016840)

Resource Information

URL: <https://www.olympus-global.com/technology/museum/micro/2004/>

Proper Citation: Olympus: FV1000 Confocal Microscope (RRID:SCR_016840)

Description: FV1000 confocal laser scanning biological microscope features twin scan system which enables spectroscopy of living intercellular contents and analysis of objects down to a 2nm wavelength resolution. Image size is increased to 4096x4096 pixels.

Resource Type: instrument resource

Keywords: FV 1000, confocal, laser, scanning, microscope, spectroscopy, living, intercellular, object, Olympus

Availability: Commercially available

Resource Name: Olympus: FV1000 Confocal Microscope

Resource ID: SCR_016840

Alternate URLs: <http://olympusconfocal.com/brochures/pdfs/FV1000.pdf>

Record Creation Time: 20220129T080332+0000

Record Last Update: 20260801T190553+0000

Ratings and Alerts

No rating or validation information has been found for Olympus: FV1000 Confocal Microscope.

No alerts have been found for Olympus: FV1000 Confocal Microscope.

Data and Source Information

Usage and Citation Metrics

We found 20 mentions in open access literature.

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

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

Tsuno T, et al. (2025) Imeglimin suppresses glucagon secretion and induces a loss of ? cell identity. *Cell reports. Medicine*, 6(8), 102254.

J?drzejowska I, et al. (2025) Long-term mitochondria-endoplasmic reticulum complexes in the oocytes and early embryos of a matrotrophic pseudoscorpion *Chelifer cancroides*. *Developmental biology*, 527, 318.

Beauséjour PA, et al. (2024) Olfactory Projections to Locomotor Control Centers in the Sea Lamprey. *International journal of molecular sciences*, 25(17).

Sasaki Y, et al. (2024) Synergistic anti-tumor effects of oncolytic virus and anti-programmed cell death protein 1 antibody combination therapy: For suppression of lymph node and distant metastasis in a murine melanoma model. *Biochemical and biophysical research communications*, 740, 151011.

Iannone AF, et al. (2024) The chemokine Cxcl14 regulates interneuron differentiation in layer I of the somatosensory cortex. *Cell reports*, 43(8), 114531.

Ni Bhraonain EP, et al. (2024) Immunohistochemical characterization of interstitial cells and their spatial relationship to motor neurons within the mouse esophagus. *Cell and tissue research*.

Kim HJ, et al. (2023) GABAergic-like dopamine synapses in the brain. *Cell reports*, 42(10), 113239.

Santana-Cordón L, et al. (2023) Morphological study of neuropeptide Y expression in human and mouse anterior insular cortex: Overexpression in the insular cortex and nucleus accumbens in obese mice on a long-term obesogenic diet. *Annals of anatomy = Anatomischer Anzeiger : official organ of the Anatomische Gesellschaft*, 250, 152127.

Hatakeyama H, et al. (2022) Three live-imaging techniques for comprehensively understanding the initial trigger for insulin-responsive intracellular GLUT4 trafficking. *iScience*, 25(4), 104164.

Garbiec A, et al. (2022) Spectacular alterations in the female reproductive system during the ovarian cycle and adaptations for matrotrophy in chernetid pseudoscorpions (Pseudoscorpiones: Chernetidae). *Scientific reports*, 12(1), 6447.

Blot G, et al. (2021) Modifications to the classical rat aortic ring model to allow vascular degeneration studies. *STAR protocols*, 2(1), 100281.

J?drzejowska I, et al. (2021) Small body size of pseudoscorpions and a distinct architecture of the ovary: A step to miniaturization? *Journal of anatomy*, 239(5), 1182.

Pereira-Sousa J, et al. (2021) Identification of the 5-HT_{1A} serotonin receptor as a novel therapeutic target in a *C. elegans* model of Machado-Joseph disease. *Neurobiology of disease*, 152, 105278.

Di Giusto G, et al. (2020) Aquaporin-2 and Na⁺ /H⁺ exchanger isoform 1 modulate the efficiency of renal cell migration. *Journal of cellular physiology*, 235(5), 4443.

Silva I, et al. (2020) ?3 Adrenoceptor-induced cholinergic inhibition in human and rat urinary bladders involves the exchange protein directly activated by cyclic AMP 1 favoring adenosine release. *British journal of pharmacology*, 177(7), 1589.

J?drzejowska I, et al. (2020) Adaptations for matrotrophy in the female reproductive system in the pseudoscorpion *Chelifer cancroides* (Chelicerata: Pseudoscorpiones, Cheliferidae). *Journal of morphology*, 281(10), 1160.

Badia-Soteras A, et al. (2020) Assessing Neuron-Astrocyte Spatial Interactions Using the Neuron-Astrocyte Proximity Assay. *Current protocols in neuroscience*, 91(1), e91.

Hsieh CC, et al. (2019) Mitochondrial protection by simvastatin against angiotensin II-mediated heart failure. *British journal of pharmacology*, 176(19), 3791.

Huang Z, et al. (2019) In Vivo Electroporation and Time-Lapse Imaging of the Rostral Migratory Stream in Developing Rodent Brain. *Current protocols in neuroscience*, 87(1), e65.