

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: 20260725T190822+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 19 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

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.

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.

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

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.

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.

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.

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.

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.

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.

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.