Resource Summary Report

Generated by NIF on May 18, 2025

Olympus BX51 Fluorescence Microscope

RRID:SCR_018949
Type: Tool

Proper Citation

Olympus BX51 Fluorescence Microscope (RRID:SCR_018949)

Resource Information

URL: https://www.olympus-lifescience.com/en/microscope-resource/primer/techniques/fluorescence/bx51fluorescence/

Proper Citation: Olympus BX51 Fluorescence Microscope (RRID:SCR_018949)

Description: Microscope with differential interference contrast ,bright field, dark field components. TR30-2 Trinocular observation head with WH10X 22 eyepieces. 0.5X parfocal C mount camera adapter. Universal reflected and transmitted light stage. Capable of both transmitted and reflected light observations.

Resource Type: instrument resource

Funding:

Availability: Restricted

Resource Name: Olympus BX51 Fluorescence Microscope

Resource ID: SCR_018949

Record Creation Time: 20220129T080342+0000

Record Last Update: 20250422T060126+0000

Ratings and Alerts

No rating or validation information has been found for Olympus BX51 Fluorescence Microscope.

No alerts have been found for Olympus BX51 Fluorescence Microscope.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 22 mentions in open access literature.

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

Özen I, et al. (2025) Traumatic brain injury causes early aggregation of beta-amyloid peptides and NOTCH3 reduction in vascular smooth muscle cells of leptomeningeal arteries. Acta neuropathologica, 149(1), 10.

Gorgo? S, et al. (2024) A Drug Discovery Pipeline for MAPK/ERK Pathway Inhibitors in Caenorhabditis elegans. Cancer research communications, 4(9), 2454.

Rojas-Chaverra NM, et al. (2024) A cyclic peptide-grafted Fc with hepatocyte growth factor functionality ameliorates hepatic fibrosis in a non-alcoholic steatohepatitis mouse model. iScience, 27(8), 110426.

Ashkenazi-Preiser H, et al. (2024) The Cross-talk Between Intestinal Microbiota and MDSCs Fuels Colitis-associated Cancer Development. Cancer research communications, 4(4), 1063.

Schmidt L, et al. (2024) Spatial proteomics of skeletal muscle using thin cryosections reveals metabolic adaptation at the muscle-tendon transition zone. Cell reports, 43(7), 114374.

Prem N, et al. (2024) Restoration of sleep-wake behavior following short photoperiod exposure in ventral subicular lesioned male Wistar rats: A 24-h sleep-wake electroencephalographical study. Journal of neuroscience research, 102(7), e25367.

Plackett ARG, et al. (2024) Rice bundle sheath cell shape is regulated by the timing of light exposure during leaf development. Plant, cell & environment, 47(7), 2597.

Guzenko VV, et al. (2024) Acetylation of c-Myc at Lysine 148 Protects Neurons After Ischemia. Neuromolecular medicine, 26(1), 8.

Kintscher M, et al. (2023) A striatal circuit balances learned fear in the presence and absence of sensory cues. eLife, 12.

Guzenko VV, et al. (2023) Acetylation of p53 in the Cerebral Cortex after Photothrombotic Stroke. Translational stroke research.

Bandopadhyay S, et al. (2023) Oncogene-mediated nuclear accumulation of lactate promotes epigenetic alterations to induce cancer cell proliferation. Journal of cellular

biochemistry, 124(4), 495.

Kopach O, et al. (2023) Human neutrophils communicate remotely via calcium-dependent glutamate-induced glutamate release. iScience, 26(7), 107236.

D'Ottavio G, et al. (2023) Increased heroin intake and relapse vulnerability in intermittent relative to continuous self-administration: Sex differences in rats. British journal of pharmacology, 180(7), 910.

Wang GQ, et al. (2022) Plasticity of the spinal glymphatic system in male SD rats with painful diabetic neuropathy induced by type 2 diabetes mellitus. Journal of neuroscience research, 100(10), 1908.

Palomés-Borrajo G, et al. (2022) BET protein inhibition in macrophages enhances dorsal root ganglion neurite outgrowth in female mice. Journal of neuroscience research, 100(6), 1331.

Chen L, et al. (2022) ?1 -Adrenoceptors activate the NLRP3 inflammasome through downregulation of Kir2.1 in cardiac inflammation. Experimental physiology, 107(6), 589.

Jørgensen AB, et al. (2022) μ-Opioid Receptor Activation Reduces Glutamate Release in the preBötzinger Complex in Organotypic Slice Cultures. The Journal of neuroscience : the official journal of the Society for Neuroscience, 42(43), 8066.

Lipstein N, et al. (2021) Munc13-1 is a Ca2+-phospholipid-dependent vesicle priming hub that shapes synaptic short-term plasticity and enables sustained neurotransmission. Neuron, 109(24), 3980.

Brougher J, et al. (2021) Vagus Nerve Stimulation Induced Motor Map Plasticity Does Not Require Cortical Dopamine. Frontiers in neuroscience, 15, 693140.

Barettino C, et al. (2021) Developmental Disruption of Erbb4 in Pet1+ Neurons Impairs Serotonergic Sub-System Connectivity and Memory Formation. Frontiers in cell and developmental biology, 9, 770458.