

Resource Summary Report

Generated by [PRECISE-TBI](#) on Jul 31, 2026

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

Availability: Restricted

Specification URL: https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/main/PDF/SCR_018949.pdf

Resource Name: Olympus: BX51 Fluorescence Microscope

Resource ID: SCR_018949

Record Creation Time: 20220129T080342+0000

Record Last Update: 20260725T190901+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

Usage and Citation Metrics

We found 26 mentions in open access literature.

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

Parejo-Alonso B, et al. (2025) PPAR γ Orchestrates a Prometastatic Metabolic Response to Microenvironmental Cues in Pancreatic Cancer. *Cancer research*, 85(17), 3275.

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.

Panda PK, et al. (2025) BCL-XL Protects ASS1-Deficient Cancers from Arginine Starvation-Induced Apoptosis. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 31(7), 1333.

Palchadhuri S, et al. (2025) A posterior insula to lateral amygdala pathway transmits US-offset information with a limited role in fear learning. *Cell reports*, 44(2), 115320.

Guzenko VV, et al. (2025) Effects of E2F1 Point Acetylation at Lysine 117 or 125 on Neuronal Apoptosis After Ischemic Injury. *Neurochemical research*, 50(4), 202.

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.

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.

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.

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*.

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

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.

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) β_1 -Adrenoceptors activate the NLRP3 inflammasome through downregulation of Kir2.1 in cardiac inflammation. *Experimental physiology*, 107(6), 589.