# Resource Summary Report

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## Leica TCS SP5 II microscope

RRID:SCR_018714
Type: Tool

### Proper Citation

Leica TCS SP5 II microscope (RRID:SCR_018714)

### Resource Information

**URL:** https://downloads.leica-microsystems.com/Leica%20TCS%20SP5%20II/Brochures/Leica%20TCS_SP5_II-Brochure_Technical_Data.EN.pdf

**Proper Citation:** Leica TCS SP5 II microscope (RRID:SCR_018714)

**Description:** Confocal microscope covers broad range of requirements in confocal and multiphoton imaging with array of scan speeds at highest resolution.

**Synonyms:** Leica TCS SP5 II

**Resource Type:** instrument resource

**Keywords:** Confocal microscope, microscope, Leica TCS SP5 II, Leica, TCS SP5 II, multiphoton imaging, imaging, instrument, equipment, ABRF

**Funding:**

**Resource Name:** Leica TCS SP5 II microscope

**Resource ID:** SCR_018714

**Alternate IDs:** Model_Number_Leica_TCS_SP5_II

**Alternate URLs:** https://www.leica-microsystems.com/products/confocal-microscopes/p/leica-tcs-sp5-ii/, https://photos.labwrench.com/equipmentManuals/9363-3536.pdf

**Record Creation Time:** 20220129T080341+0000

**Record Last Update:** 20250420T014919+0000

## Ratings and Alerts

No rating or validation information has been found for Leica TCS SP5 II microscope.

No alerts have been found for Leica TCS SP5 II microscope.

## Data and Source Information

**Source:** SciCrunch Registry

## Usage and Citation Metrics

We found 15 mentions in open access literature.

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


Arango CP, et al. (2024) Epimorphic development in tropical shallow-water Nymphonidae (Arthropoda: Pycnogonida) revealed by fluorescence imaging. Zoological letters, 10(1), 1.

Foucault L, et al. (2024) Neonatal brain injury unravels transcriptional and signaling changes underlying the reactivation of cortical progenitors. Cell reports, 43(2), 113734.

Radford RAW, et al. (2023) Identification of phosphorylated tau protein interactors in progressive supranuclear palsy (PSP) reveals networks involved in protein degradation, stress response, cytoskeletal dynamics, metabolic processes, and neurotransmission. Journal of neurochemistry, 165(4), 563.

Brenneis G, et al. (2023) The sea spider Pycnogonum litorale overturns the paradigm of the absence of axial regeneration in molting animals. Proceedings of the National Academy of Sciences of the United States of America, 120(5), e2217272120.

Maru B, et al. (2023) PARP-1 improves leukemia outcomes by inducing parthanatos during chemotherapy. Cell reports. Medicine, 4(9), 101191.

Homberg U, et al. (2023) Comparative morphology of serotonin-immunoreactive neurons innervating the central complex in the brain of dicondylian insects. The Journal of comparative neurology, 531(14), 1482.

Gaidin SG, et al. (2023) A novel approach for vital visualization and studying of neurons containing Ca2+ -permeable AMPA receptors. Journal of neurochemistry, 164(5), 583.

Brenneis G, et al. (2022) The visual pathway in sea spiders (Pycnogonida) displays a simple serial layout with similarities to the median eye pathway in horseshoe crabs. BMC biology, 20(1), 27.

Frankowski K, et al. (2022) A microCT-based atlas of the central nervous system and midgut in sea spiders (Pycnogonida) sheds first light on evolutionary trends at the family level. Frontiers in zoology, 19(1), 14.

Chakraborty K, et al. (2021) Tissue-specific targeting of DNA nanodevices in a multicellular living organism. eLife, 10.

Lentini C, et al. (2021) Reprogramming reactive glia into interneurons reduces chronic seizure activity in a mouse model of mesial temporal lobe epilepsy. Cell stem cell, 28(12), 2104.

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.

Ye L, et al. (2021) Cytokinins initiate secondary growth in the Arabidopsis root through a set of LBD genes. Current biology : CB, 31(15), 3365.

Brenneis G, et al. (2021) Insights into the genetic regulatory network underlying neurogenesis in the parthenogenetic marbled crayfish Procambarus virginalis. Developmental neurobiology, 81(8), 939.

Zhang C, et al. (2021) The role of oxidative stress in the susceptibility of noise-impaired cochleae to synaptic loss induced by intracochlear electrical stimulation. Neuropharmacology, 196, 108707.