

Resource Summary Report

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Leica Application Suite

RRID:SCR_016555

Type: Tool

Proper Citation

Leica Application Suite (RRID:SCR_016555)

Resource Information

URL: <https://www.leica-microsystems.com/products/microscope-software/details/product/leica-application-suite/>

Proper Citation: Leica Application Suite (RRID:SCR_016555)

Description: Microscope software platform which integrates Leica automated microscopes and digital cameras and provides one common user interface.

Abbreviations: LAS

Synonyms: Leica Application Suite

Resource Type: image analysis software, software resource, software application, data analysis software, data processing software

Keywords: Leica Microsystems, microscopy, automated, digital, camera, common, user, interface

Funding:

Availability: Commercially available

Resource Name: Leica Application Suite

Resource ID: SCR_016555

Record Creation Time: 20220129T080331+0000

Record Last Update: 20250425T060151+0000

Ratings and Alerts

No rating or validation information has been found for Leica Application Suite.

No alerts have been found for Leica Application Suite.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 38 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Pivořková H, et al. (2024) Heterogeneity in oligodendrocyte precursor cell proliferation is dynamic and driven by passive bioelectrical properties. *Cell reports*, 43(11), 114873.

Albizzati E, et al. (2024) Mecp2 knock-out astrocytes affect synaptogenesis by interleukin 6 dependent mechanisms. *iScience*, 27(3), 109296.

Toma K, et al. (2024) Perivascular neurons instruct 3D vascular lattice formation via neurovascular contact. *Cell*, 187(11), 2767.

Pengrattanachot N, et al. (2024) Fructooligosaccharides Ameliorate Renal Injury and Dysfunction Through the Modulation of Gut Dysbiosis, Inhibition of Renal Inflammation, Oxidative Stress, Fibrosis, and Improve Organic Anion Transporter 3 Function in an Obese Rat Model. *Molecular nutrition & food research*, 68(16), e2400191.

Bakema JE, et al. (2024) An Antibody-Drug Conjugate Directed to Tissue Factor Shows Preclinical Antitumor Activity in Head and Neck Cancer as a Single Agent and in Combination with Chemoradiotherapy. *Molecular cancer therapeutics*, 23(2), 187.

Northey JJ, et al. (2024) Mechanosensitive hormone signaling promotes mammary progenitor expansion and breast cancer risk. *Cell stem cell*, 31(1), 106.

Hoermayer L, et al. (2024) Mechanical forces in plant tissue matrix orient cell divisions via microtubule stabilization. *Developmental cell*, 59(10), 1333.

Emrich SM, et al. (2023) Orai3 and Orai1 mediate CRAC channel function and metabolic reprogramming in B cells. *eLife*, 12.

Thongnak L, et al. (2023) Metformin mitigates renal dysfunction in obese insulin-resistant rats via activation of the AMPK/PPAR γ pathway. *Archives of pharmacal research*, 46(5), 408.

Reed M, et al. (2023) A role for dopamine in control of the hypoxic ventilatory response via D2 receptors in the zebrafish gill. *The Journal of comparative neurology*.

Nakagawa N, et al. (2023) Golgi polarity shift instructs dendritic refinement in the neonatal cortex by mediating NMDA receptor signaling. *Cell reports*, 42(8), 112843.

Ntefidou M, et al. (2023) *Physcomitrium patens* PpRIC, an ancestral CRIB-domain ROP effector, inhibits auxin-induced differentiation of apical initial cells. *Cell reports*, 42(2), 112130.

Kann AP, et al. (2022) An injury-responsive Rac-to-Rho GTPase switch drives activation of muscle stem cells through rapid cytoskeletal remodeling. *Cell stem cell*, 29(6), 933.

Thongnak L, et al. (2022) The combination of dapagliflozin and statins ameliorates renal injury through attenuating the activation of inflammasome-mediated autophagy in insulin-resistant rats. *Journal of biochemical and molecular toxicology*, 36(4), e22978.

Saunders HAJ, et al. (2022) Acetylated α -tubulin K394 regulates microtubule stability to shape the growth of axon terminals. *Current biology : CB*, 32(3), 614.

Hegazy M, et al. (2022) Epidermal stratification requires retromer-mediated desmoglein-1 recycling. *Developmental cell*, 57(24), 2683.

Shah RB, et al. (2021) FANCI functions as a repair/apoptosis switch in response to DNA crosslinks. *Developmental cell*, 56(15), 2207.

Al Hayek S, et al. (2021) Steroid-dependent switch of *OvoL/Shavenbaby* controls self-renewal versus differentiation of intestinal stem cells. *The EMBO journal*, 40(4), e104347.

Mazurek S, et al. (2021) Disruption of RING and PHD Domains of TRIM28 Evokes Differentiation in Human iPSCs. *Cells*, 10(8).

Deneka AY, et al. (2021) Nedd9 Restrains Autophagy to Limit Growth of Early Stage Non-Small Cell Lung Cancer. *Cancer research*, 81(13), 3717.