

Resource Summary Report

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Inspector

RRID:SCR_018863

Type: Tool

Proper Citation

Inspector (RRID:SCR_018863)

Resource Information

URL: <https://inspectordocs.readthedocs.io/en/latest/intro.html>

Proper Citation: Inspector (RRID:SCR_018863)

Description: Software tool for real time analysis and data visualization. Software system for experimental control and quantitative data analysis in microscopy and spectroscopy. Integration of data processing and acquisition allows real time analysis and visualization of experimental results.

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

Keywords: Data analysis, real time data, visualization, quantitative analysis, microscopy, spectroscopy

Funding:

Availability: Free, Freely available

Resource Name: Inspector

Resource ID: SCR_018863

Alternate URLs:

<https://github.com/AbberiorInstruments/InspectorDocs/blob/master/docs/intro.rst>,

<https://inspector.abberior-instruments.com/>

Record Creation Time: 20220129T080342+0000

Record Last Update: 20250528T061510+0000

Ratings and Alerts

No rating or validation information has been found for Inspector.

No alerts have been found for Inspector.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 70 mentions in open access literature.

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

Griswold JM, et al. (2025) Membrane mechanics dictate axonal pearls-on-a-string morphology and function. *Nature neuroscience*, 28(1), 49.

Hirabayashi Y, et al. (2024) Most axonal mitochondria in cortical pyramidal neurons lack mitochondrial DNA and consume ATP. *bioRxiv : the preprint server for biology*.

Schappe MS, et al. (2024) A vagal reflex evoked by airway closure. *Nature*, 627(8005), 830.

Mai H, et al. (2024) Whole-body cellular mapping in mouse using standard IgG antibodies. *Nature biotechnology*, 42(4), 617.

Ishikawa-Ankerhold H, et al. (2024) Novel multiphoton intravital imaging enables real-time study of *Helicobacter pylori* interaction with neutrophils and macrophages in the mouse stomach. *PLoS pathogens*, 20(9), e1012580.

Schipka R, et al. (2024) Characterization of two different alginate-based bioinks and the influence of melanoma growth within. *Scientific reports*, 14(1), 12945.

Düdükçü Ö, et al. (2024) Molecular diversity and migration of GABAergic neurons in the developing ventral midbrain. *iScience*, 27(11), 111239.

Daigre J, et al. (2024) Preclinical Evaluation of Novel Folate Receptor 1-Directed CAR T Cells for Ovarian Cancer. *Cancers*, 16(2).

Glass MR, et al. (2023) Cross-site reproducibility of human cortical organoids reveals consistent cell type composition and architecture. *bioRxiv : the preprint server for biology*.

Mulhall EM, et al. (2023) Direct observation of the conformational states of PIEZO1. *Nature*, 620(7976), 1117.

Velicky P, et al. (2023) Dense 4D nanoscale reconstruction of living brain tissue. *Nature*

methods, 20(8), 1256.

Gallucci L, et al. (2023) Tissue-like environments shape functional interactions of HIV-1 with immature dendritic cells. *EMBO reports*, 24(6), e56818.

Schuettpelz J, et al. (2023) The role of the mitochondrial outer membrane protein SLC25A46 in mitochondrial fission and fusion. *Life science alliance*, 6(6).

Mothes R, et al. (2023) Distinct tissue niches direct lung immunopathology via CCL18 and CCL21 in severe COVID-19. *Nature communications*, 14(1), 791.

Hayward DA, et al. (2023) B cell-intrinsic requirement for WNK1 kinase in antibody responses in mice. *The Journal of experimental medicine*, 220(3).

de Melo GD, et al. (2023) Neuroinvasion and anosmia are independent phenomena upon infection with SARS-CoV-2 and its variants. *Nature communications*, 14(1), 4485.

Liu H, et al. (2023) Multiphoton In Vivo Microscopy of Embryonic Thrombopoiesis Reveals the Generation of Platelets through Budding. *Cells*, 12(19).

Koch J, et al. (2023) The phenuivirus Toscana virus makes an atypical use of vacuolar acidity to enter host cells. *PLoS pathogens*, 19(8), e1011562.

Belyaeva V, et al. (2022) Fos regulates macrophage infiltration against surrounding tissue resistance by a cortical actin-based mechanism in *Drosophila*. *PLoS biology*, 20(1), e3001494.

Steudler J, et al. (2022) Autoimmune neuroinflammation triggers mitochondrial oxidation in oligodendrocytes. *Glia*, 70(11), 2045.