

Resource Summary Report

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NIS-Elements Basic Research

RRID:SCR_002776

Type: Tool

Proper Citation

NIS-Elements Basic Research (RRID:SCR_002776)

Resource Information

URL: <http://www.nikoninstruments.com/Products/Software/NIS-Elements-Basic-Research>

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Description: Software tool for acquisition and device control for standard research applications, requiring four dimensional imaging. Provides access to advanced image capture, archiving, and analysis solutions that are easy-to-use and provide maximum workflow. Handles multi dimensional imaging with support for capture, display, data management, analysis and additional options for peripheral device control, and multi-dimensional acquisition. Provides advanced image processing options such as database capabilities and report generation, intensity over time measurement, and Extended Depth of Focus functionality.

Abbreviations: NIS-Elements BR

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

Keywords: microscope, image acquisition, device control, multi dimensional imaging, apture, display, data management, data analysis

Availability: Free

Resource Name: NIS-Elements Basic Research

Resource ID: SCR_002776

Alternate IDs: SciRes_000190

Record Creation Time: 20220129T080215+0000

Record Last Update: 20260912T195546+0000

Ratings and Alerts

No rating or validation information has been found for NIS-Elements Basic Research.

No alerts have been found for NIS-Elements Basic Research.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 65 mentions in open access literature.

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

Bacher MC, et al. (2026) Divergent Rickettsia species exhibit distinct mechanisms of actin-based motility. The Journal of cell biology, 225(7).

Morrissey RL, et al. (2026) Elucidating cooperative genetic events in DCIS progression in mutant p53-driven breast cancer. Proceedings of the National Academy of Sciences of the United States of America, 123(2), e2526544123.

Dolci S, et al. (2026) Tumor-associated macrophages enhance peripheral nerve tumor infiltration and spinal cord repair. Immunity, 59(2), 438.

Lobel L, et al. (2026) Dietary sulfur amino acids enhance anti-tumor immunity in colon cancer via an NKT cell-XCL1-cDC1 circuit. Immunity, 59(6), 1708.

Antunes Fernandes K, et al. (2026) Maternal helminths rewire the microbiota to promote offspring antiviral immunity. Cell host & microbe, 34(6), 1050.

De Iorio T, et al. (2026) Sampling conditions affect immune cell viability and function in the Mediterranean mussel (Mytilus galloprovincialis). Fish & shellfish immunology, 173, 111247.

Kim SS, et al. (2026) Ribonuclease ?? promotes longevity by preventing age-associated accumulation of circular RNA in stress granules. Molecular cell, 86(5), 885.

Sindoni M, et al. (2026) Piezo2 tension sensitivity and its modulation by alternative splicing. bioRxiv : the preprint server for biology.

Sindoni M, et al. (2026) Piezo2 tension sensitivity and its modulation by alternative splicing. Cell reports, 45(6), 117521.

O'Reilly CL, et al. (2025) Combining In Vivo 2-Photon Imaging with Photoactivatable Fluorescent Labeling Shows Low Rates of Mitochondrial Dynamics in Skeletal Muscle. Medicine and science in sports and exercise, 57(10), 2324.

Gonzalez-Lozano MA, et al. (2025) EndoMAP.v1 charts the structural landscape of human early endosome complexes. Nature, 643(8070), 252.

Giusti V, et al. (2025) Establishment and Characterization of OS-MET-R-092: A Novel Patient-Derived Cell Culture from an Osteosarcoma Bone Metastasis. *International journal of molecular sciences*, 26(21).

Lee W, et al. (2025) Neutrophil extracellular traps promote pre-metastatic niche formation in the omentum by expanding innate-like B cells that express IL-10. *Cancer cell*, 43(1), 69.

Lamichhane A, et al. (2025) Targeting CAFs-Mediated Stromal Signaling in a Patient-Derived Organotypic Colorectal Tumor Model. *Molecular cancer therapeutics*, 24(8), 1265.

Lazzari N, et al. (2025) Stemness and hybrid epithelial-mesenchymal profiles guide peritoneal dissemination of malignant mesothelioma and pseudomyxoma peritonei. *International journal of cancer*, 156(1), 201.

Simkin D, et al. (2025) Machine Learning Resolves Functional Phenotypes and Therapeutic Responses in KCNQ2 Developmental Epileptic Encephalopathy iPSC Models. *bioRxiv : the preprint server for biology*.

Garman G, et al. (2025) An Automated Analysis Pipeline for Microglia Morphology in Nikon NIS-Elements. *Journal of biomolecular techniques : JBT*, 36(2).

Alessandrini F, et al. (2025) TDP-43 dysfunction compromises UPF1-dependent mRNA metabolism in ALS. *Neuron*.

Abreo TJ, et al. (2025) Plural molecular and cellular mechanisms of pore domain KCNQ2 encephalopathy. *eLife*, 13.

Fonseca-Pereira D, et al. (2025) The metabolic sensor LKB1 regulates ILC3 homeostasis and mitochondrial function. *Cell reports*, 44(4), 115456.