

# Resource Summary Report

Generated by [nidm-terms](#) on Jul 29, 2026

## Zeiss: Axio Observer

RRID:SCR\_021351

Type: Tool

---

### Proper Citation

Zeiss: Axio Observer (RRID:SCR\_021351)

---

### Resource Information

**URL:** <https://www.zeiss.com/microscopy/us/products/light-microscopes/axio-observer-for-biology.html>

**Proper Citation:** Zeiss: Axio Observer (RRID:SCR\_021351)

**Description:** Microscope with inverse platform for multimodal imaging of living and fixed specimens. Open and flexible inverted microscope platform with AI assisted experiment startup., THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 16,2025.

**Resource Type:** instrument resource

**Keywords:** Microscope, inverse platform, multimodal imaging, living and fixed specimens, inverted microscope, AI assisted experiment startup, instrument, equipment, USEdit

**Availability:** THIS RESOURCE IS NO LONGER IN SERVICE

**Resource Name:** Zeiss: Axio Observer

**Resource ID:** SCR\_021351

**Alternate IDs:** Model\_Number\_Axio Observer

**Record Creation Time:** 20220129T080355+0000

**Record Last Update:** 20260725T190944+0000

---

### Ratings and Alerts

No rating or validation information has been found for Zeiss: Axio Observer.

No alerts have been found for Zeiss: Axio Observer.

---

### Data and Source Information

## Usage and Citation Metrics

We found 19 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [nidm-terms](#) .

Weingartner N, et al. (2025) High Phosphate Load Induces De Novo Formation of Tertiary Lymphoid Structures in the Kidney. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 39(24), e71279.

Finan JM, et al. (2025) HuR-Regulated Extracellular Vesicles Promote Endothelial Cell Remodeling in Pancreatic Cancer. Cancer research communications, 5(9), 1501.

Nguyen M, et al. (2025) MAPL regulates gasdermin-mediated release of mtDNA from lysosomes to drive pyroptotic cell death. Nature cell biology, 27(10), 1708.

Wolff C, et al. (2025) Insulin and leptin acutely modulate the energy metabolism of primary hypothalamic and cortical astrocytes. Journal of neurochemistry, 169(1), e16211.

Markusson S, et al. (2025) Nanobodies against the myelin enzyme CNPase as tools for structural and functional studies. Journal of neurochemistry, 169(1), e16274.

Arenillas C, et al. (2025) Convergent Genetic Adaptation in Human Tumors Developed Under Systemic Hypoxia and in Populations Living at High Altitudes. Cancer discovery, 15(5), 1037.

Singhal SM, et al. (2025) Mu-opioid receptor activation potentiates excitatory transmission at the habenulo-peduncular synapse. Cell reports, 44(7), 115874.

Bloom J, et al. (2025) Hybrid incompatibility emerges at the one-cell stage in interspecies *Caenorhabditis* embryos. Current biology : CB, 35(14), 3530.

Jiao M, et al. (2024) Targeting Catechol-O-Methyltransferase Induces Mitochondrial Dysfunction and Enhances the Efficacy of Radiotherapy in Glioma. Cancer research, 84(21), 3640.

Fox JC, et al. (2024) Defects of renal tubular homeostasis and cystogenesis in the *Pkhd1* knockout. iScience, 27(4), 109487.

Evans WS, et al. (2024) Unilateral hindlimb ischaemia-induced systemic inflammation is associated with non-ischaemic skeletal muscle inflammation. Experimental physiology, 109(9), 1604.

Bridges K, et al. (2024) Mapping intratumoral myeloid-T cell interactomes at single-cell resolution reveals targets for overcoming checkpoint inhibitor resistance. bioRxiv : the preprint server for biology.

Xiong M, et al. (2024) Antibody engagement with amyloid-beta does not inhibit [<sup>11</sup>C]PiB binding for PET imaging. Journal of neurochemistry, 168(9), 2601.

Tobochnik S, et al. (2024) Pilot Trial of Perampanel on Peritumoral Hyperexcitability in Newly Diagnosed High-grade Glioma. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 30(23), 5365.

Konrad KD, et al. (2023) microRNA-124 regulates Notch and NeuroD1 to mediate transition states of neuronal development. *Developmental neurobiology*, 83(1-2), 3.

Segelcke D, et al. (2021) Tmem160 contributes to the establishment of discrete nerve injury-induced pain behaviors in male mice. *Cell reports*, 37(12), 110152.

Wei H, et al. (2021) Systematic analysis of purified astrocytes after SCI unveils Zeb2os function during astrogliosis. *Cell reports*, 34(5), 108721.

Yamada S, et al. (2021) Drp1 SUMO/deSUMOylation by Senp5 isoforms influences ER tubulation and mitochondrial dynamics to regulate brain development. *iScience*, 24(12), 103484.

Alexander AF, et al. (2021) Single-cell secretion analysis reveals a dual role for IL-10 in restraining and resolving the TLR4-induced inflammatory response. *Cell reports*, 36(12), 109728.