Resource Summary Report

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National Xenopus Resource

RRID:SCR_013731
Type: Tool

Proper Citation

National Xenopus Resource (RRID:SCR_013731)

Resource Information

URL: http://www.mbl.edu/xenopus/

Proper Citation: National Xenopus Resource (RRID:SCR_013731)

Description: National stock center for X. laevis and X. tropicalis and training center for advanced technologies (e.g. husbandry, cell biology, imaging, genetics, transgenesis, genomics).

Abbreviations: NXR

Resource Type: biomaterial supply resource, organism supplier, material resource

Keywords: RIN, Resource Information Network, Xenopus, laevis, tropicalis

Funding: NIH Office of the Director P40 OD010997;
NIH Office of the Director R24 OD030008

Resource Name: National Xenopus Resource

Resource ID: SCR_013731

Alternate URLs: https://orip.nih.gov/comparative-medicine/programs/vertebrate-models

Record Creation Time: 20220129T080317+0000

Record Last Update: 20250329T060933+0000

Ratings and Alerts

No rating or validation information has been found for National Xenopus Resource.

No alerts have been found for National Xenopus Resource.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 265 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Bowden S, et al. (2024) Foxi1 regulates multiple steps of mucociliary development and ionocyte specification through transcriptional and epigenetic mechanisms. bioRxiv : the preprint server for biology.

Nakamura M, et al. (2024) Injury-induced cooperation of Inhibin?A and JunB is essential for cell proliferation in Xenopus tadpole tail regeneration. Scientific reports, 14(1), 3679.

Kostyanovskaya E, et al. (2024) Convergence of autism proteins at the cilium. bioRxiv : the preprint server for biology.

Lee H, et al. (2024) R-Spondin 2 governs Xenopus left-right body axis formation by establishing an FGF signaling gradient. Nature communications, 15(1), 1003.

Hutchison A, et al. (2024) Re-examining the evidence that ivermectin induces a melanoma-like state in Xenopus embryos. BioEssays : news and reviews in molecular, cellular and developmental biology, 46(1), e2300143.

Tejeda-Muñoz N, et al. (2024) Na,K-ATPase activity promotes macropinocytosis in colon cancer via Wnt signaling. Biology open, 13(5).

Bredeson JV, et al. (2024) Conserved chromatin and repetitive patterns reveal slow genome evolution in frogs. Nature communications, 15(1), 579.

Liu Y, et al. (2024) Exploring pathways toward open-hardware ecosystems to safeguard genetic resources for biomedical research communities using aquatic model species. Journal of experimental zoology. Part B, Molecular and developmental evolution, 342(3), 278.

Willsey HR, et al. (2024) Modelling human genetic disorders in Xenopus tropicalis. Disease models & mechanisms, 17(5).

Sabo J, et al. (2024) CKAP5 enables formation of persistent actin bundles templated by dynamically instable microtubules. Current biology : CB, 34(2), 260.

Huber PB, et al. (2024) BET activity plays an essential role in control of stem cell attributes in Xenopus. Development (Cambridge, England), 151(13).

McCluskey KE, et al. (2024) Autism gene variants disrupt enteric neuron migration and cause gastrointestinal dysmotility. bioRxiv : the preprint server for biology.

Piekniewska A, et al. (2024) Do organisms need an impact factor? Citations of key biological resources including model organisms reveal usage patterns and impact. bioRxiv : the preprint server for biology.

Zoller JA, et al. (2024) DNA methylation clocks for clawed frogs reveal evolutionary conservation of epigenetic aging. GeroScience, 46(1), 945.

Lasser M, et al. (2023) Pleiotropy of autism-associated chromatin regulators. Development (Cambridge, England), 150(14).

Devotta A, et al. (2023) Npr3 regulates neural crest and cranial placode progenitors formation through its dual function as clearance and signaling receptor. eLife, 12.

Seidl C, et al. (2023) Mucociliary Wnt signaling promotes cilia biogenesis and beating. Nature communications, 14(1), 1259.

Morselli M, et al. (2023) Age-associated DNA methylation changes in Xenopus frogs. Epigenetics, 18(1), 2201517.

Zhou JJ, et al. (2023) Histone deacetylase 1 maintains lineage integrity through histone acetylome refinement during early embryogenesis. eLife, 12.

Baxi AB, et al. (2023) Time-resolved quantitative proteomic analysis of the developing Xenopus otic vesicle reveals putative congenital hearing loss candidates. iScience, 26(9), 107665.