

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/>

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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, material resource, organism supplier

Keywords: RIN, Resource Information Network, Xenopus, laevis, tropicalis, RRID Community Authority

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: 20260804T043519+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 308 mentions in open access literature.

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

Bowden S, et al. (2026) Foxi1 regulates multipotent mucociliary progenitors and ionocyte specification through transcriptional and epigenetic mechanisms. PLoS biology, 24(1), e3003583.

Corkins ME, et al. (2025) Comparative analysis of Xenopus mesonephric transcriptomics: Conservation of the developmental lineage of nephron stages. bioRxiv : the preprint server for biology.

Cho J, et al. (2025) Foxh1 is a locus-specific PRC2 recruiter governing germ layer silencing. bioRxiv : the preprint server for biology.

Bennett R, et al. (2025) An epigenetic clock for Xenopus tropicalis. npj aging, 11(1), 38.

McCluskey KE, et al. (2025) Autism gene variants disrupt enteric neuron migration and cause gastrointestinal dysmotility. Nature communications, 16(1), 2238.

Berns H, et al. (2025) A homozygous human WNT11 variant is associated with laterality, heart and renal defects. Disease models & mechanisms, 18(5).

Piekniewska A, et al. (2025) Do organisms need an impact factor? Citations of key biological resources including model organisms reveal usage patterns and impact. PloS one, 20(8), e0327344.

Swearer AA, et al. (2025) Spinal cord regeneration deploys cell-type specific developmental and non-developmental strategies to restore neuron diversity. bioRxiv : the preprint server for biology.

Chen H, et al. (2025) Quantifying Nascent Transcription in Early Embryogenesis. Methods in molecular biology (Clifton, N.J.), 2923, 143.

Armstrong MC, et al. (2025) The biochemical mechanism of Rho GTPase membrane binding, activation and retention in activity patterning. The EMBO journal, 44(9), 2620.

Xu X, et al. (2025) A Cell Type-Specific Role for Tubb6 in Ciliogenesis of Xenopus Epidermal Multiciliated Cells. Cytoskeleton (Hoboken, N.J.).

Whitfield K, et al. (2025) Interspecific comparisons of anuran embryonic epidermal landscapes and energetic trade-offs in response to changes in salinity. Developmental dynamics : an official publication of the American Association of Anatomists.

Ranganathan R, et al. (2025) Targets of the transcription factor Six1 identify previously unreported candidate deafness genes. *Development (Cambridge, England)*, 152(7).

Qian W, et al. (2025) Spatially ordered zygotic genome activation fulfills embryo quality control. *bioRxiv : the preprint server for biology*.

Xu X, et al. (2025) Beyond the Axoneme: Whole-Cell Proteomics Identifies Novel Regulators of Ciliogenesis in *Xenopus* Epidermal Multiciliated Cells. *bioRxiv : the preprint server for biology*.

Sheng H, et al. (2025) Brain implantation of soft bioelectronics via embryonic development. *Nature*, 642(8069), 954.

Zakrzewska S, et al. (2025) Structural basis for saxitoxin congener binding and neutralization by anuran saxiphilins. *Nature communications*, 16(1), 3885.

Deveau VA, et al. (2025) Differential requirement of Hand1 during differentiation of lateral plate mesoderm lineages in *Xenopus laevis*. *Developmental biology*, 525, 294.

Craig Z, et al. (2025) Anillin tunes contractility and regulates barrier function during Rho flare-mediated tight junction remodeling. *Molecular biology of the cell*, 36(3), ar31.

Norris SCP, et al. (2025) Whole tissue imaging of cellular boundaries at sub-micron resolutions for deep learning cell segmentation: Applications in the analysis of epithelial bending of ectoderm. *Developmental dynamics : an official publication of the American Association of Anatomists*.