

Resource Summary Report

Generated by PRECISE-TBI on Sep 8, 2026

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: 20260905T132740+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 316 mentions in open access literature.

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

Terni B, et al. (2026) Synapse specific alterations of autophagy are a hallmark of Danon disease. bioRxiv : the preprint server for biology.

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

Coppenrath K, et al. (2026) SIX1 branchio-oto-renal syndrome variants have different effects on embryonic craniofacial gene expression and cartilage formation. Development (Cambridge, England), 153(13).

Craig Z, et al. (2026) Anillin variant in proteinuric kidney disease drives tubular epithelial cell death, junctional instability, and barrier dysfunction. medRxiv : the preprint server for health sciences.

Trudeau MC, et al. (2026) The PAS domain directly regulates hERG channel gating in patch-clamp fluorometry recordings. Biophysical journal, 125(8), 2012.

Borghese CM, et al. (2026) Putative RNA editing of a nicotinic receptor increases acetylcholine sensitivity. The Journal of general physiology, 158(3).

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.

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.

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.).

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.