

Resource Summary Report

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Ambystoma Genetic Stock Center

RRID:SCR_006372

Type: Tool

Proper Citation

Ambystoma Genetic Stock Center (RRID:SCR_006372)

Resource Information

URL: <https://ambystoma.uky.edu/genetic-stock-center/>

Proper Citation: Ambystoma Genetic Stock Center (RRID:SCR_006372)

Description: Maintains breeding colony of Mexican axolotls (*Ambystoma mexicanum*) that distributes axolotl embryos, larvae, and adults to laboratories and classrooms throughout the United States and abroad. Their mission is to serve biology research programs and educators by providing experimental material and expertise and by encouraging and facilitating the exchange of information and ideas.

Abbreviations: AGSC

Synonyms: A. mexicanum stock center

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

Defining Citation: [PMID:16359543](#)

Keywords: RIN, Resource Information Network, embryo, larvae, adult, k-12 teacher, ambystoma, salamander, RRID Community Authority

Funding: NIH Office of the Director P40 OD019794;
NIH Office of the Director R24 OD010435

Availability: Public. You must be affiliated with an IACUC-sanctioned university or other scientific program to receive animals. No animals will be sold for informal research or personal interest requests.

Resource Name: Ambystoma Genetic Stock Center

Resource ID: SCR_006372

Alternate IDs: nlx_152125

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

Old URLs: <http://www.ambystoma.org/genetic-stock-center>

Record Creation Time: 20220129T080235+0000

Record Last Update: 20260804T043306+0000

Ratings and Alerts

No rating or validation information has been found for Ambystoma Genetic Stock Center.

No alerts have been found for Ambystoma Genetic Stock Center.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 231 mentions in open access literature.

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

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.

Duerr TJ, et al. (2025) Retinoic acid breakdown is required for proximodistal positional identity during axolotl limb regeneration. Nature communications, 16(1), 4798.

Higgins KW, et al. (2025) Rapid expansion and specialization of the TAS2R bitter taste receptor family in amphibians. PLoS genetics, 21(1), e1011533.

Dastagir N, et al. (2025) Identification of antimicrobial peptides from the Ambystoma mexicanum displaying antibacterial and antitumor activity. PLoS one, 20(3), e0316257.

Cecil RF, et al. (2024) Tyrp1 is the mendelian determinant of the Axolotl (Ambystoma mexicanum) copper mutant. Scientific reports, 14(1), 22399.

Coxe N, et al. (2024) Establishment of a Practical Sperm Cryopreservation Pathway for the Axolotl (Ambystoma mexicanum): A Community-Level Approach to Germplasm Repository Development. Animals : an open access journal from MDPI, 14(2).

Duerr TJ, et al. (2024) Retinoic acid breakdown is required for proximodistal positional identity during amphibian limb regeneration. bioRxiv : the preprint server for biology.

Kreitzer MA, et al. (2024) ATP-mediated increase in H⁺ efflux from retinal Müller cells of the axolotl. Journal of neurophysiology, 131(1), 124.

Gamel KM, et al. (2024) Design of A Highly Sensitive, Low-cost Underwater Force Plate to Record Substrate Reaction Forces. *Integrative organismal biology* (Oxford, England), 6(1), obae008.

Munoz AZ, et al. (2024) Ilastik: a machine learning image analysis platform to interrogate stem cell fate decisions across multiple vertebrate species. *bioRxiv : the preprint server for biology*.

Gamel KM, et al. (2024) Ground Reaction Forces and Energy Exchange During Underwater Walking. *Integrative organismal biology* (Oxford, England), 6(1), obae013.

Jalali E, et al. (2024) Biochemical and Structural Studies of the Carminomycin 4-O-Methyltransferase DnrK. *Journal of natural products*, 87(4), 798.

Piekniawska 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*.

Yandulskaya AS, et al. (2023) Establishing a New Research Axolotl Colony. *Methods in molecular biology* (Clifton, N.J.), 2562, 27.

Roy S, et al. (2023) The Use of Small Molecules to Dissect Developmental and Regenerative Processes in Axolotls. *Methods in molecular biology* (Clifton, N.J.), 2562, 175.

Steel R, et al. (2023) Age- and dose-dependent susceptibility of axolotls (*Ambystoma mexicanum*) by bath exposure to *Ambystoma tigrinum* virus (ATV). *Virology*, 588, 109909.

Spence M, et al. (2023) Do salamanders chew? An X-ray reconstruction of moving morphology analysis of ambystomatid intraoral feeding behaviours. *Philosophical transactions of the Royal Society of London. Series B, Biological sciences*, 378(1891), 20220540.

Chami B, et al. (2023) Characterization of the developing axolotl nasal cavity supports multiple evolution of the vertebrate choana. *The International journal of developmental biology*, 67(2), 57.

Lovely AM, et al. (2023) Hybridization Chain Reaction Fluorescence In Situ Hybridization (HCR-FISH) in *Ambystoma mexicanum* Tissue. *Methods in molecular biology* (Clifton, N.J.), 2562, 109.

Kashimoto R, et al. (2023) Bead Implantation and Delivery of Exogenous Growth Factors. *Methods in molecular biology* (Clifton, N.J.), 2562, 209.