

Special Issue

Lizards As Reptilian Models To Analyze Organ Regeneration in Amniotes

Message from the Guest Editor

Lizards are unique amniotes in their ability to regenerate single tissues in addition to a large organ, the tail composed of numerous integrated tissues. As the closest vertebrate to the human condition able to reform a complete and functional organ, the study on lizard regeneration allows to discover the reasons for the failure of regeneration in mammals in the future attempts to overcome this negative outcome. The present Special issue dedicated to lizard regeneration collects a number of manuscripts derived from researchers actively involved from some years in the study of this biological model of regeneration. The issue begins with a general introductory section on reptilian regeneration, and moves to following topics including the evolution and ecological implications of autotomy, the origin of regenerative tissues, the inflammatory reaction after wounding, the differentiation of various tissues with emphasis on the new skeleton, the gene activity implicated in the process, and finally some medical perspectives derived from the information provided by this model.

Guest Editor

Prof. Dr. Lorenzo Alibardi

Comparative Histolab and Department of Biology, University of Bologna, Via Selmi 3, 40126 Bologna, Italy

Deadline for manuscript submissions

closed (25 October 2021)



Journal of Developmental Biology

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 4.5
Indexed in PubMed



mdpi.com/si/76260

Journal of Developmental Biology
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jdb@mdpi.com

mdpi.com/journal/

jdb





Journal of Developmental Biology

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 4.5
Indexed in PubMed



[mdpi.com/journal/
jdb](https://mdpi.com/journal/jdb)



About the Journal

Message from the Editor-in-Chief

The *Journal of Developmental Biology* (JDB) publishes original research papers and timely reviews. Our primary aim is to provide a platform for the publication of studies on the development of multicellular organisms efficiently and professionally; papers undergo a fast, yet thorough, peer-review process. JDB is an open access journal and accepted contributions are published immediately online, providing unlimited access to the scientific community and general public. We look forward to receiving your contribution to our journal and to working with fellow researchers.

Editor-in-Chief

Prof. Dr. Simon J. Conway

Herman B Wells Center for Pediatric Research, Indiana University
School of Medicine, 1044 West Walnut Street, Indianapolis, IN 46202,
USA

Author Benefits

High Visibility:

indexed within Scopus, ESCI (Web of Science), PubMed, PMC, PubAg, CAPlus / SciFinder, and other databases.

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 26.2 days after submission; acceptance to publication is undertaken in 5.9 days (median values for papers published in this journal in the first half of 2025).

Recognition of Reviewers:

reviewers who provide timely, thorough peer-review reports receive vouchers entitling them to a discount on the APC of their next publication in any MDPI journal, in appreciation of the work done.