Special Issue

Evolutionary Insights into Life History

Message from the Guest Editors

Mammals' life cycles are punctuated by major milestones, among which are weaning, sexual maturity, reproduction fitness, and lifespan. Together with the pattern and timing of growth and development, these traits define what is termed "life history". Among primates, modern humans show a uniquely extended life history. Their particular pattern is characterized by slow and prolonged growth and development, involving specific ontogenic stages known as childhood and adolescence. The modern human life cycle is also unique in implying first reproduction at a relatively late age, menopause for females in late adulthood, and an exceptionally long lifespan among primates. Several advantages could result from this unusual pace of development, such as an extended period for brain growth and maturation, the acquisition of technical skills, and the socialization and development of complex social roles. As the correlation between ontogeny and phylogeny becomes better understood, evolutionary developmental biology concepts (EvoDevo) are especially relevant in exploring the variability in life history.

Guest Editors

Prof. Dr. Thomas Colard

1. PACEA, UMR 5199 CNRS, Bordeaux University, Bordeaux, France
2. Oral and MaxilloFacial Radiology Department, Lille University, 59160 Lille, France

Dr. Adeline Le Cabec

1. PACEA -UMR 5199, Bordeaux University, 33000 Bordeaux, France
2. Max Planck Institute for Evolutionary Anthropology, 04103 Leipzig, Germany

Deadline for manuscript submissions

closed (20 December 2024)

Biology

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 7.4
Indexed in PubMed

mdpi.com/si/146908

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

mdpi.com/journal/biology

Biology

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 7.4
Indexed in PubMed

mdpi.com/journal/biology

About the Journal

Message from the Editorial Board

A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

Editors-in-Chief

Prof. Dr. Jukka Finne
Research Programme in Molecular and Integrative Biosciences, Faculty of Biological and Environmental Sciences, University of Helsinki, P.O. Box 56, FI-00014 Helsinki, Finland

Prof. Dr. Andrés Moya
Integrative Systems Biology Institute, University of Valencia and CSIC, 46980 Valencia, Spain

Author Benefits

High Visibility:

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

Journal Rank:

JCR - Q1 (Biology) / CiteScore - Q1 (General Agricultural and Biological Sciences)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.4 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the first half of 2025).

MDPI