



Molecular Aspects in Fish and Amphibian Reproduction and Development

Guest Editors:

Dr. Martin Pšenička

Jihočeská Univerzita v Českých
Budějovicích, České Budějovice,
Czech Republic

Dr. Radek Šindelka

Institute of Biotechnology of the
Czech Academy of Sciences,
Czech Republic

Deadline for manuscript
submissions:

closed (15 April 2021)

Message from the Guest Editors

Dear Colleagues,

Fish and amphibians have served for many decades as traditional and popular models for the field of developmental and molecular biology. They have been utilized effectively to elucidate the various molecular mechanisms behind organism formation, development and abnormalities. In fact, many of the mechanisms driving normal and pathological conditions described in biological and medical textbooks are originally derived from these models. However, their impact within the field of modern science has often been underestimated when compared to other traditional models. Our goal is to advertise and reinforce their irreplaceable role as essential tools for the derivation of scientific information and to show their broad applications within the current scope of biological and medicinal experiments.

Topics include, but are not limited to:

- amphibian and fish gametes and embryos revealing the roles of biomolecules during development and disease;
- application of unusual amphibian and fish animal models in experiments;
- interesting techniques applied during amphibian and fish experimental work.



mdpi.com/si/63281

Dr. Martin Pšenička

Dr. Radek Šindelka

Guest Editors

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Inorganic Chemistry)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI