

Special Issue

Recent Advancements in Mammalian Embryo Culture: From Animal Models to Humans

Message from the Guest Editors

This Special Issue of *Cells* aims to gather high-quality original research and review articles with a focus on any facet of pre-implantation embryo development in vitro and in vivo, with a particular interest in the following:

- Fertilization;
- IVF and embryo transfer;
- Single and group embryo culture;
- Dynamic embryo culture;
- Milli and/or microfluidics;
- ART outcomes;
- Blastocyst;
- Maternal reproductive tract;
- Oviduct;
- Uterus;
- Exosomes;
- Metabolomics;
- Embryo morphokinetics;
- Embryo selection;
- Aneuploidy;
- Pregnancy;
- Epigenetics;
- Omics;
- Oxidative stress;
- DNA damage and repair;
- Use of novel/new antioxidants in reproductive biology;
- Health of the progeny.

Guest Editors

Prof. Roberto Gualtieri

Prof. Talevi Riccardo

Dr. Vincenza De Gregorio

Deadline for manuscript submissions

closed (30 April 2024)



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About the Journal

Message from the Editorial Board

Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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Biotech Research & Innovation Centre, The University of Copenhagen,
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Author Benefits

High Visibility:

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

Journal Rank:

JCR - Q2 (Cell Biology) / CiteScore - Q1 (General Biochemistry, Genetics and Molecular Biology)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).