

## Special Issue

# Cellular and Molecular Mechanisms in Male Fertility

### Message from the Guest Editors

**Male fertility is a complex trait regulated by coordinated cellular and molecular processes.** Despite significant advances in reproductive biology, infertility affects a growing number of men worldwide, highlighting the urgent need to better understand the underlying mechanisms. Advances in molecular biology and reproductive technologies are now revealing the intricate networks that govern spermatogenesis, testicular function and hormonal regulation. **This Special Issue aims to highlight cutting-edge research that uncovers the cellular and molecular mechanisms underlying male fertility, from germ cell development and Sertoli–Leydig cell interactions to epigenetic regulation and signaling pathways critical for fertility.**

We particularly welcome original research, reviews and perspective articles leveraging state-of-the-art approaches. By bringing together the latest discoveries in cellular and molecular reproductive science, this Special Issue seeks to provide a comprehensive, forward-looking resource that will advance our understanding of male fertility and inspire new strategies for improving reproductive outcomes.

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### Guest Editors

Dr. Joana Santiago

iBiMED—Institute of Biomedicine, Department of Medical Sciences,  
University of Aveiro, Aveiro, Portugal

Dr. Magda Carvalho Henriques

iBiMED—Institute of Biomedicine, Department of Medical Sciences,  
University of Aveiro, Aveiro, Portugal

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### Deadline for manuscript submissions

31 December 2026



## Cells

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*Cells*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[cells@mdpi.com](mailto:cells@mdpi.com)

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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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### Editors-in-Chief

Dr. Alexander E. Kalyuzhny

Dental Basic Sciences, University of Minnesota, 308 Harvard St. SE,  
Minneapolis, MN 55455, USA

Prof. Dr. Cord Brakebusch

Biotech Research & Innovation Centre, The University of Copenhagen,  
Copenhagen, Denmark

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### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, CAPlus / 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 15.5 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).