Special Issue

Cell Sex

Message from the Guest Editor

Current hectic lifestyles, ever-growing industrialization, and consequent increasing environmental degradation impact all organisms, especially in terms of their reproductive health and individual sexuality. It is well-established that sex-specific changes within the germline occur during fetal development. During their journey, germ cells interact with the surrounding somatic cells and decide their sexually dimorphic fate under the influence of other aspects of body physiology of an organism. Extensive research from the past has shown that various signaling pathways work simultaneously and collectively bring decisive signaling molecules that decide sexual fate. However, many unknown pathways are being discovered, or others are yet to be discovered. This topic will therefore provide a platform focusing on the utilization of fish models to investigate the scope of “cell sex”, and will include various aspects such as:

- Germ cell sexuality
- Transgenerational effects of epigenetics on reproductive sustainability
- Endocrine disruptors and sex change
- Model fish epigenetics and omics for the sex spectrum
- Multicellular interaction of sexual physiology

Guest Editor

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Deadline for manuscript submissions

closed (15 November 2022)

Cells

an Open Access Journal by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed

mdpi.com/si/123498

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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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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).