



an Open Access Journal by MDPI

Effects and Mechanisms of Endocrine Disruptors on Germ Cells, Gonads and Embryos

Guest Editors:

Prof. Dr. Silvia Garagna

Laboratory of Developmental Biology, Department of Biology and Biotechnology "Lazzaro Spallanzani", University of Pavia-Via A. Ferrata, 9-27100 Pavia, Italy

Prof. Dr. Maurizio Zuccotti

Laboratory of Developmental Biology, Department of Biology and Biotechnology "Lazzaro Spallanzani", University of Pavia, Via A. Ferrata, 9-27100 Pavia, Italy

Dr. Danilo Cimadomo

GeneraLife, Via G. De Notaris, 1F, 00197 Roma, Italy

Deadline for manuscript submissions: closed (31 August 2022)

Message from the Guest Editors

Dear Colleagues,

With this Special Issue, we aim to provide an important resource for understanding the cellular and molecular mechanisms underlying the EDCs' observed effects on vertebrate germ cells, gonads and embryos.

We welcome original research articles, reviews, commentary, perspectives and technical notes that, at the molecular, cellular and tissue hierarchical levels, describe the effects of EDCs on primordial germ cells, ovarian and testis function, folliculogenesis and spermatogenesis, oocyte and sperm quality, embryonic development.

• Keywords

endocrine disruptors gonadal steroid hormones ovary oogenesis and folliculogenesis oocyte testis spermatogenesis and sperm embryo development epigenetics omics









an Open Access Journal by MDPI

Editors-in-Chief

Prof. Dr. Alexander E. Kalyuzhny

Neuroscience, UMN Twin Cities, 6-145 Jackson Hall, 321 Church St SE, Minneapolis, MN 55455, USA

Prof. Dr. Cord Brakebusch

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

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.

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, MEDLINE, PMC, CAPlus / SciFinder, and other databases.

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

Contact Us

Cells Editorial Office MDPI, St. Alban-Anlage 66 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/cells cells@mdpi.com X@Cells_MDPI