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An Advanced Approach in Male Infertility: Stem Cell Therapy

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Deadline for manuscript
submissions:
closed (20 March 2023)

Message from the Guest Editors

Dear Colleagues,

Infertility is now considered to be a global health issue affecting approximately 15% of couples worldwide. In the past decade, research in male reproduction has seen substantial advancements in nextgeneration therapeutics using stem cells. Different invitro methods and organ models using embryonic stem cells, induced pluripotent stem cells, and glioblastoma stem cells were developed for successful production of spermatozoa. Also, autografting cryobanked spermatogonial tissue was proposed as a new strategy of fertility preservation for paediatric patients who have undergone gonadotoxic therapy.

This Special Issue aims to provide an update of the potential therapeutic approaches and their impact on ART outcomes.

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but not limited to) the following: Embryonic Stem Cells (ESC), Induced Pluripotent Stem Cells (iPSC), Mesenchymal Stem Cells (MSCs), Bone Marrow Mesenchymal Stem Cells (BMSC), Spermatogonial Stem Cell (SSC) and spermatogonial tissue cryopreservation.

We look forward to receiving your contributions.



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Special Issue



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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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