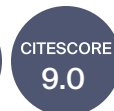




cells



an Open Access Journal by MDPI

Stem Cell Application in Infertility

Collection Editors:

Prof. Dr. Eunju Kang

Department of Biomedical
Science, CHA University and
Center for Embryo & Stem Cell
Research, CHA Advanced
Research Institute, Gyeonggi
13488, Korea

Prof. Dr. Jongki Cho

College of Veterinary Medicine,
Chungnam National University,
99, Daehak-ro, Yuseong-gu,
Daejeon 34134, Korea

Message from the Collection Editors

Assisted reproductive technologies (ART) such as in-vitro fertilization (IVF) have overcome several types of infertility. Nevertheless, about 10% of couples suffer from infertility due to problems with the female reproductive system, insufficient production of gametes, or the poor ability of sperm or oocytes.

Recently, attempts have been made to treat the problems with the female reproductive system in clinics using adult stem cells such as mesenchymal stem cells (MSCs) or hematopoietic stem cells (HSCs). The results were promising, but no clear mechanism has been investigated. Further, embryonic stem cells (ESCs) or induced pluripotent stem cells (iPSCs) could be converted into germ cells such as sperm or oocytes. However, a few laboratories can perform this technology.

This Special Issue focuses on therapeutic mechanisms for stem cell application in the field of infertility, including basic, preclinical and clinical studies, and the replication of current technologies.



mdpi.com/si/55558

Topical Collection



cells



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](#), [CAPus / 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](#)