



Advances in Genetics of Human Reproduction

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Message from the Guest Editors

Since the completion of the Human Genome Project and the development of high-throughput sequencing techniques, the field of human genetics has undergone significant advancements. On the other hand, during the last 70 years, fertility rates have decreased worldwide by 50% and infertility has become a frequently diagnosed medical condition affecting over 15% of couples worldwide. It has been estimated that approximately 50% of the causes of infertility are related to genetic factors. The main known genetic causes of infertility include chromosomal aberrations, monogenic diseases, and phenotypes with multifactorial inheritance. The physiology of reproduction involves several paracrine, autocrine, and endocrine processes. They are regulated by a number of genes and any discrepancy in these processes can lead to infertility. As a result, various genetic tests have become essential in determining the genetic causes of infertility.

The aim of this Special Issue is to collect clinical and basic research studies reporting novel insights in the genetics of human reproduction. Original scientific research articles or comprehensive reviews are welcomed.





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Message from the Editor-in-Chief

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