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Beyond the Basics: Genetic Insights into Male Infertility

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Message from the Guest Editor

Dear Colleagues,

Male infertility, which affects approximately 7% of men globally, is a complex pathological condition characterized by various semen abnormalities and qualitative defects.

Interestingly, the quest to understand male infertility has evolved dramatically from its early focus on physical and environmental factors to a sophisticated exploration of its genetic underpinnings. With the advent of genomic sequencing and molecular biology, the last few decades have witnessed a paradigm shift, revealing the intricate genetic landscapes that govern male reproductive function. This burgeoning field has identified a plethora of genetic variations, ranging from chromosomal anomalies to single nucleotide polymorphisms, that contribute to the complexity of male infertility.

The aim of this Special Issue is to delve into the latest genetic discoveries and their implications for diagnosing and treating male infertility. We seek to provide a comprehensive overview of current trends, challenges, and advancements in the field, fostering a deeper understanding of the genetic intricacies of male reproductive health.



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Special Issue



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Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised.

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