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Genetic Regulation of Reproductive Disease

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Deadline for manuscript
submissions:

closed (31 January 2024)

Message from the Guest Editor

The Special Issue, entitled “Genetic Regulation of Reproductive Disease”, focuses on male infertility, a prevalent issue affecting around 7% of men worldwide and posing economic, social, and psychological burdens on couples seeking parenthood.

This collection of articles aims to present the latest research on genetic and epigenetic factors in male infertility, exploring their roles in proliferation, differentiation of spermatogonia, meiosis, spermiogenesis, and sperm activation. The goal is to understand the pathogenic mechanisms and improve patient prognosis. The topics covered include causative gene identification, epigenetic function discovery, translational medicine applications, classification of patients based on relevant pathways and phenotypes, molecular function, signaling pathway crosstalk, and the impact of assisted reproductive technology on male infertility outcomes.

This Special Issue welcomes original research articles and reviews, offering valuable insights into the identification of factors contributing to male infertility and potential avenues for improved diagnosis and treatment through translational medicine approaches.



mdpi.com/si/182597

Special Issue



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Message from the Editor-in-Chief

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