

Special Issue

Molecular Perspectives on Female Infertility and Fertility

Message from the Guest Editor

Female infertility is a major global health challenge, affecting millions of women of reproductive age and impacting 8–12% of couples worldwide. Infertility is a complex, multifactorial condition that arises from genetic, epigenetic, hormonal, metabolic, immunological, and environmental influences. At the same time, recent advances in molecular biology and reproductive medicine have created unprecedented opportunities to improve diagnostics, therapeutics, and preventive strategies for infertility and subfertility. This Special Issue, *Molecular Perspectives on Female Infertility and Fertility*, aims to bring together high-quality contributions that deepen our understanding of the molecular mechanisms regulating female reproductive health, fertility preservation, and infertility pathogenesis. By fostering multidisciplinary research, this collection seeks to accelerate translational progress from bench to bedside and to inform innovative approaches for diagnosis, treatment, and personalized medicine.

Guest Editor

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