Special Issue

Genetics and Genomics of Female Reproduction

Message from the Guest Editors

Infertility afflicts one in ten women and increases in frequency as women age. Advances in genetics and genomics have made remarkable strides in clarifying the underpinnings of many cases of female infertility. A plethora of breakthrough technologies in single-cell genomic analysis now enable detection of viable among the more numerous nonviable embryos. Genomics is also shedding new light on uterine pathology. Technological breakthroughs in the genetics and genomics of female reproductive function are paving the way not only for novel molecular genetic diagnostics, but also for treatment. Still fraught with ethical and technological challenges, early research on germ line gene engineering is beginning to show promise. This Special Issue aims to provide a snapshot of some of the most cutting-edge research on the genetics and genomics of female reproduction, with a focus on translational efforts. These contributions illustrate the "awesome power of genetics" when applied to human disease. This issue includes both original research papers and critical reviews in order to provide an update which is both comprehensive and current.

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Deadline for manuscript submissions

closed (15 August 2024)

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an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.5
Indexed in PubMed

mdpi.com/si/144417

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Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving 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. Why not consider *Genes* for your next genetics paper?

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