Special Issue

EmbryoGenetics

Message from the Guest Editors

Genetic disorders affect 1% of live births and are responsible for 20% of pediatric hospitalizations and 20% of infant mortality. Because assisted reproduction has armed us with technologies like in vitro fertilization that provide access to human embryos, we began to screen some genetic diseases simply by selecting sex. Later we moved to the identification and selection of euploid embryos by analyzing all 23 pairs of chromosomes in 4–8 cells from the trophectoderm. Finally, we are moving from embryo selection to intervention because the genetic code is not only readable, but also re-writeable. In this Special Issue, we invite reviews, primers, and original research papers that contribute to our understanding of human embryo genetics. Specifically, we would like to compile the current knowledge in PGT for monogenic diseases (PGT-M), PGT for aneuploidy (PGT-A) including mosaicism, PGT for polygenic risk scoring (PGT-P), and gene editing in human embryos. Manuscripts can target both basic science as well as the clinical impact of embryogenetics in reproductive medicine, maternal-fetal medicine, and pediatrics. We look forward to your submissions.

Guest Editors

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Deadline for manuscript submissions

closed (4 May 2020)

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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.
Why not consider *Genes* for your next genetics paper?

Editor-in-Chief

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