

Special Issue

Early Embryonic Development of Animals

Message from the Guest Editors

Early embryo mortality is one leading factor contributing to reproductive failure in mammals. A variety of developmental and molecular events have to be finely tuned to produce a competent embryo. Such events include epigenetic reprogramming, maternal embryonic transition, lineage specification, and maternal embryo recognition, insufficiencies in which are usually accompanied by a high risk of early embryo death. These crucial events are subject to the influences of genetics, disease, environments, and the nutritional state of animals. However, the understanding of the regulation of early embryonic development remains incomplete and requires further investigation. In this Special Issue, we welcome the submission of original manuscripts (research articles or reviews) focusing on topics, including but not limited to, epigenetic reprogramming, maternal embryonic transition, lineage specification, maternal embryo recognition, as well as novel approaches for improving early embryonic development.

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Deadline for manuscript submissions

closed (20 March 2022)

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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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