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Genetic Regulation of Animal Reproduction

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Message from the Guest Editor

Reproduction is an instinct of animals, and it is the most important instinct. The stable conduct of animal reproduction activities is what makes populations continue. Reproductive behavior, as the most basic life activity of livestock, is the guarantee of livestock production and the basis of good breeding. With the continuous advancement of epigenetic research and the wide application of various omics techniques, a large number of histone modifications, promoter elements, enhancers, noncoding RNAs, RNA methylation modifications, etc., have been successfully explored. These epigenetic regulatory mechanisms have provided us with a deeper understanding of the inner workings of animal reproduction, but have also led to more mysteries. This Special Issue of *Genes* will encompass both review and original research articles by experts in the field of epigenetics, with a primary focus on animal reproduction. In particular, original research in the field of reproductive regulation molecular mechanisms in domestic animals and rare animals will be more popular. New theories and technologies related to model animal reproduction are also within the scope of this research.



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Special Issue



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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.

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