Special Issue

Inbreeding

Message from the Guest Editors

Genetics plays an important role in the extinction of populations. Small populations suffer from inbreeding, which is manifested in the genome as reduced genetic diversity and an increase in homozygous segments that are identical by descent. Inbreeding leads to a higher expression of genetic defects and inbreeding depression. These effects are widespread in both the animal and plant kingdoms, but not all species and populations suffer equally. Moreover, there are opportunities to genetically manage populations and reduce inbreeding rates. In this Special Issue, we aim to bring together insights from all areas impacted by inbreeding, that is, in captive breeding settings such as livestock, pets, zoo animals, as well as in situ conservation studies on wild populations. We welcome theoretical, quantitative genetic, and genomic analyses, as well as contributions evaluating the methods to mitigate the effects of small population sizes.

Guest Editors

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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?

Editor-in-Chief

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