Special Issue

Animals Models in Diseases Genetics

Message from the Guest Editors

Medical technology has recently progressed rapidly, and causative genes of many diseases have been identified. In typical diseases, such as cardiovascular disease, diabetes, and cancer, abundant methods of treatment have been developed and human welfare has increased. Investigations into disease genetics were advanced and causative genes of many rare diseases were also clarified. Currently, over 7000 rare diseases have been identified, and they affect more than 250 million people in the world. Unfortunately, most rare diseases lack effective treatments due to difficulties in the investigation of those diseases with small numbers of the patients. Animal models can be considered powerful and essential means by which to investigate pathophysiological mechanisms and therapeutic strategies of hereditary diseases. This Special Issue introduces the animal models of rare diseases.

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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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