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Animal Models for Human Diseases: Advances in Genome Editing

Guest Editor:

Message from the Guest Editor

Dr. Andrei Golovko

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Deadline for manuscript submissions: closed (20 October 2024) Dear Colleagues,

Animal models of human diseases are essential for understanding disease mechanisms and developing new treatments. Animal models are often selected because of their similarity to humans in terms of genetics, anatomy, and physiology. They are also often preferable for experimental disease research because of their unlimited supply and ease of manipulation. Genome editing technologies, such as CRISPR-Cas9, have revolutionized the creation of animal models by allowing for precise and efficient genetic modifications.

As genome editing technology continues to improve, we can expect to see even more sophisticated and informative models being developed. This will help us to better understand human diseases and develop new and more effective treatments.

This Special Issue will cover all aspects of modelling human diseases in various animal species via genome editing, present recent developments of novel transgenic tools and their applications and provide validation that such models can be successfully used in biomedical research.

Dr. Andrei Golovko Guest Editor





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Message from the Editor-in-Chief

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