







an Open Access Journal by MDPI

# Gene Editing and Delivery in Animal Genetic Engineering 2.0

Guest Editor:

#### Prof. Dr. Sato Masahiro

Department of Genome Medicine, National Center for Child Health and Development, 2-10-1 Okura, Setagaya, Tokyo 157-8535, Japan

Deadline for manuscript submissions:

closed (15 April 2024)

# Message from the Guest Editor

Dear Colleagues,

A gene delivery system is an important tool that facilitates decrypting the function of a gene of interest and creating animal models for diseases. In particular, with the advancements in the field of genome editing technologies, the need for more convenient and easy technologies to create genetically modified animals is escalating.

For this Special Issue focusing on the application of gene delivery technology, we are pleased to invite articles that are focused on the central theme of genetic manipulation (transgenesis, knock out or knock in) of early embryos (or fetuses) and germ cells (oocytes, primordial germ cells, and sperm) in mammals.

Prof. Dr. Sato Masahiro Guest Editor













an Open Access Journal by MDPI

### **Editor-in-Chief**

#### Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences, Sez-Biochimica, Faculty of Medicine, Università Politecnica delle Marche, Via Ranieri 65, 60100 Ancona, Italy

## Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

### **Author Benefits**

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (*Biochemistry & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

### **Contact Us**