

Special Issue

Genetic and Immunological Studies of Parasite–Host Interactions

Message from the Guest Editor

The study of parasite genetic diversity can provide theoretical support for the evolution of parasites and deepen our understanding of the biological origin of parasites. Every year, diseases caused by parasites cause serious harm to animal health and the development of animal husbandry, which has led scientists to deepen their research, these studies will accelerate our understanding of the genetic essence of host insects. This Special Issue is dedicated to analyses of how parasites adapt to the diversity of hosts and explore new gene functions through new technologies, Exploring the effect of genes on host immune function will be particularly scrutinized. Here, we aim to publish cutting-edge original research in gene diversity and gene function concerning theory, methods, or applications in a range of parasite fields. This Special Issue will address parasite genetic diversity and research on new functions of parasite genes; thus, manuscripts from researchers in the area of the effects of parasites on hosts and pathogens are particularly welcome. We welcome original research, review articles, and correspondence on topics including, but not limited to, the above aspects.

Guest Editor

Dr. Zi-Guo Yuan

College of Veterinary Medicine, South China Agricultural University,
Guangzhou 510642, China

Deadline for manuscript submissions

closed (15 March 2024)

G C A T
T A C G
G C A T

Genes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5
Indexed in PubMed



mdpi.com/si/183184

Genes
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
genes@mdpi.com

[mdpi.com/journal/
genes](https://mdpi.com/journal/genes)



G C A T
T A C G
G C A T

Genes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5
Indexed in PubMed



[mdpi.com/journal/
genes](https://mdpi.com/journal/genes)



About the Journal

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

Prof. Dr. Selvarangan Ponnazhagan
Department of Pathology, The University of Alabama at Birmingham,
1825 University Blvd, SHEL 814, Birmingham, AL 35294-2182, USA

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, MEDLINE, PMC, Embase, PubAg, and other databases.

Journal Rank:

JCR - Q2 (Genetics and Heredity) / CiteScore - Q2 (Genetics (clinical))