

Special Issue

Cattle Molecular Immunology

Message from the Guest Editor

Like other agricultural sectors, cattle farming faces the challenge of having to produce more and better-quality food from the same resources (e.g., water, energy) to meet the growing global demand for animal products without increasing the environmental impact. In this context, improving cattle health remains an important issue for ensuring a sustainable livestock sector. To achieve this goal, research is needed to improve our understanding of the bovine immune response. The advent of high-throughput sequencing technologies has facilitated our knowledge of the immune response. As a result, important outcomes are being achieved in the field of -omics research on disease control and immune response in cattle. Therefore, given the recent progress in this area, we believe that this Special Issue will be useful in bringing together those molecular studies that increase our understanding of the immune response to disease in cattle.

We welcome the submission of original research papers and review articles related to advances in molecular studies for monitoring immune response and to better understand host–pathogen interaction in cattle.

Guest Editor

Dr. Bianca Castiglioni

Institute of Agricultural Biology and Biotechnology-Consiglio Nazionale delle Ricerche (IBBA-CNR), Via Einstein, 26900 Lodi, Italy

Deadline for manuscript submissions

closed (25 March 2021)

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/54818

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

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))