



genes



an Open Access Journal by MDPI

Metagenomics and Evolution of Microbial Pathogens

Guest Editor:

Dr. Luis Lozano

Center for Genomic Sciences,
National Autonomous University
of Mexico, Cuernavaca, Morelos,
Mexico

Deadline for manuscript
submissions:

closed (5 August 2024)

Message from the Guest Editor

Dear Colleagues,

Over the past few decades, research has focused on how microbial pathogens affect both human and animal health. Understanding the molecular basis of the evolution of known microbial pathogens as well as the emergence of new pathogens could shed light on their mechanisms of adaptation and prevalence. Their evolution may imply the acquisition of external genetic material and subsequent modifications that allow them to diversify their pathogenicity and virulence.

All of these processes, from acquisition to modification, have now been analyzed by means of targeted and shotgun metagenomics sequencing approaches to understand the evolution of microbial pathogens not only at the genomic level but also by incorporating their interactions with hosts and other microbial organisms.

We are pleased to invite researchers interested in the application of metagenomic sequencing techniques in the study of bacterial and viral pathogen evolution to submit their original research articles to this Special Issue.



mdpi.com/si/195862

Special Issue



genes



an Open Access Journal by MDPI

Editor-in-Chief

**Prof. Dr. Selvarangan
Ponnazhagan**

Experimental Cancer
Therapeutics, The University of
Alabama at Birmingham, 1825
University Blvd., SHEL 814,
Birmingham, AL 35294-2182, USA

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?

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))

Contact Us

Genes Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/genes
genes@mdpi.com
[X@Genes_MDPI](#)