



genes



an Open Access Journal by MDPI

Bacterial DNA Organization and Segregation

Guest Editor:

Dr. Jean-Yves Bouet

Center for Integrative Biology,
Centre National de la Recherche
Scientifique (CNRS), Université
Toulouse, Toulouse, France

Deadline for manuscript
submissions:

closed (25 April 2022)

Message from the Guest Editor

Dear colleagues,

Bacterial genomes are highly dynamic and diverse. They are composed of a primary chromosome and a variable number of other replicons, including secondary chromosomes and plasmids. All these replicons are folded to compact DNA. At the same time, they manage all the processes involved in DNA metabolism. How these different DNA molecules are organized in a unique cellular compartment to faithfully segregate these varieties of replicons is still under intense investigation. Numerous controlled mechanisms are at play and are interconnected to achieve their transmission and maintenance over generations.

This Special Issue of *Genes* on “Bacterial DNA Organization and Segregation” will address the mechanisms by which bacteria organize their genomes and manage the segregation and maintenance of all the replicons, providing an overview of recent developments in specialized research topics and of critical perspectives on upcoming challenges. We welcome original research articles and reviews.

We look forward to receiving your contributions.

Dr. Jean-Yves Bouet

Guest Editor



mdpi.com/si/77576

Special Issue



genes



an Open Access Journal by MDPI

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

Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving 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](#)