

Special Issue

The Enigmatic Role of DNA Methylation in Invertebrates

Message from the Guest Editor

Invertebrates are the largest and most heterogeneous group of animals on the planet. Their actions are shaping the biosphere and impact human health and well-being. Arthropods and mollusks not only have an indirect impact on agronomy as, e.g., pollinators or pests, but also are increasingly used as a source of animal proteins. The evolutionary success of invertebrates is related to their high phenotypic plasticity. It is now recognized that epigenetics, i.e., mitotically and/or meiotically heritable changes in gene function that cannot be explained by changes in DNA sequence, is one of the major contributors to phenotypic plasticity. The purpose of this Special Issue is to provide new insights into the specific role(s) of DNA methylation in invertebrates and provide a new refreshing perspective on its importance.

Guest Editor

Prof. Dr. Christoph Grunau

Laboratory of Interactions of Hosts, Pathogens and their Environments (IHPE), Université de Perpignan Via Domitia, Perpignan, France

Deadline for manuscript submissions

closed (25 November 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/84173

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
Experimental Cancer Therapeutics, 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))