

Special Issue

Sex Chromosome Evolution and Meiosis

Message from the Guest Editors

From the early days of study of genetics and – with ever refined research tools – up to the present time, sex chromosomes have always been a source of fascination. At least three features set sex chromosomes apart from the rest of the genome and drive their unique evolution: the unusual pattern of transmission, the lack of recombination on sex-specific regions, and the absence of synapsis once the two sex chromosomes become divergent enough. All these three features take place during meiosis, which makes this process the key component to understanding the evolution and differentiation of sex chromosomes. Surprisingly, however, the meiotic behaviour of sex chromosomes and the cellular context in which it happens have received little attention so far. In this Special Issue, we aim to fill this gap by exploring the large diversity of sex chromosome systems and how the tightly choreographed process of meiosis copes with this. We hope that the table of contents will illustrate this diversity, and that multiple model systems, meiotic processes, and disciplines will be covered.

Guest Editors

Dr. Frederic Veyrunes

Dr. Frederic Baudat

Dr. Jesús Page

Deadline for manuscript submissions

closed (20 September 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/66306

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))