

Special Issue

Gene-Environment Interplay in Human Complex Traits

Message from the Guest Editor

The combined evidence from decades of quantitative genetics and more than a decade of well-powered genome-wide association studies has demonstrated that many common traits and diseases in humans are associated with a complex of genetic and non-genetic (i.e., environmental) factors. Although many commonly used methods make the simplifying assumption that genetic and environmental effects act independently, it is widely appreciated that this is biologically implausible and that genetic and environmental factors have both separate and combined effects on complex traits. In this Special Issue, we seek to bring together the latest research investigating this gene-environment interface. Examining genetic effects alongside specific and general environments provides vital context for understanding heterogeneity and progresses genetic research further towards biological insights into the role of these combined effects in human complex traits and diseases.

Guest Editor

Dr. Jonathan Coleman

Social, Genetic and Developmental Psychiatry Centre, IoPPN, King's College London, Strand, London WC2R 2LS, UK

Deadline for manuscript submissions

closed (10 April 2022)

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/94509

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))