Special Issue

The Role of RNA Processing and Metabolism in Tumors

Message from the Guest Editors

Defects of RNA metabolism cause many human diseases, including cancer. The complete sequence of the human genome provided quite a surprise to many by revealing that more than 98% of the transcriptional output represents non-protein coding RNAs (ncRNAs). In addition to housekeeping ncRNAs (rRNAs, tRNAs, etc.), small regulatory RNAs (microRNAs, piRNAs, etc.), long noncoding RNAs (lncRNAs, >200nt), and circular RNAs are emerging as major population of eukaryotic transcripts with both reported and yet undiscovered roles in gene regulation. This special issue focuses on understanding how genetic/environmental factors affect RNA metabolism in humans and why dysregulation of this process causes cancer. Areas of interest include, but are not limited to:

1) Roles of noncoding RNAs in cancer development and therapy

2) Roles of noncoding RNAs in cancer metabolism and tumour microenvironment

3) Noncoding RNAs as novel therapeutic targets

4) Biogenesis and new action modes of lncRNAs and circular RNAs

5) Epigenetic regulation of noncoding RNAs

6) Nucleolar stress and cancer therapy

7) Identification of new RNA species in cancer

Guest Editors

Prof. Dr. Chunjiang He
Dr. Ke Chen
Dr. Xiang Zhou

Deadline for manuscript submissions

closed (20 August 2022)

GCAT
TACG
GCAT

Genes

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.5
Indexed in PubMed

mdpi.com/si/97912

Genes
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
genes@mdpi.com

mdpi.com/journal/genes

MDPI

GCAT
TACG
GCAT

Genes

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.5
Indexed in PubMed

mdpi.com/journal/genes

MDPI

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))