

Special Issue

microRNAs in Tumor Microenvironments

Message from the Guest Editors

The tumor microenvironment, including cancer-associated fibroblasts (CAF), cancer-infiltrating cells, blood vessels, inflammatory cells, and several other molecules, is one of the main players involved in the development and progression of tumors. It has been widely demonstrated that the mutual interaction between cancer cells and normal cells of the tumor microenvironment is responsible for the production of proinflammatory cytokines and proteolytic proteins which favor tumor invasion and metastasis. On these bases, it is evident that miRNAs are fundamental in the regulation of the tumor microenvironment and, in turn, the progression of cancer. Therefore, further studies are needed to better understand the dynamics between miRNAs, cancer cells, and the tumor microenvironment in order to identify new diagnostic and prognostic biomarkers as well as new therapeutic targets. The aim of this Special Issue is to summarize the current understanding about the evaluation of molecular and epigenetic mechanisms responsible for alterations in the tissue microenvironment and, in particular, the mutual interactions existing between cancer and stromal cells as mediated by miRNAs.

Guest Editors

Prof. Massimo Libra

Department of Biomedical and Biotechnological Sciences, Università degli Studi di Catania, Catania, Italy

Dr. Luca Falzone

Department of Biomedical and Biotechnological Sciences, University of Catania, Catania, Italy

Deadline for manuscript submissions

closed (20 March 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/34720

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))