

## Special Issue

# Molecular Mechanisms and Therapies of Colorectal Cancer 3.0

### Message from the Guest Editor

Colorectal cancer (CRC) is currently the third leading cause of cancer-related mortality. Transforming growth factor beta (TGF- $\beta$ ) signaling has been associated with CRC growth and metastasis due to its involvement in proliferation, epithelial-to-mesenchymal transition (EMT), and angiogenesis. The study of TGF- $\beta$  pathway in metastatic CRC is challenging because of the great genetic heterogeneity of CRC. However, the increasing availability of targeted and whole-exome DNA sequencing techniques makes it possible to identify genes' mutations in complex, dynamic, and heterogeneous clinical contexts and to make correlations with clinical outcome.

Articles consisting exclusively of bioinformatics or computational analyses of public databases or pure clinical studies will not be accepted. Basic studies or translational studies including molecular characterizations of patients from real practice are welcome. Reviews will also be appreciated.

---

### Guest Editor

Dr. Donatella Delle Cave

Institute of Genetics and Biophysics "A. Buzzati Traverso" (IGB-ABT),  
CNR, Via Pietro Castellino 111, 80131 Naples, Italy

---

### Deadline for manuscript submissions

closed (20 October 2024)



## International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/si/189138](https://mdpi.com/si/189138)

*International Journal of  
Molecular Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto:ijms@mdpi.com)

[mdpi.com/journal/  
ijms](https://mdpi.com/journal/ijms)





# International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/journal/  
ijms](https://mdpi.com/journal/ijms)



## About the Journal

### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

---

### Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,  
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle  
Marche, Via Ranieri 65, 60100 Ancona, Italy

---

### 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, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore  
- Q1 (Organic Chemistry)