



## Colorectal Cancer: From Pathophysiology to Novel Therapeutic Approaches 2022

Guest Editors:

**Prof. Dr. Massimo Milione**

Division of Pathology,  
Department of Pathology and  
Laboratory Medicine, Fondazione  
IRCCS Istituto Nazionale dei  
Tumori, Milan, Italy

**Prof. Dr. Matteo Fassan**

Department of Medicine, Surgical  
Pathology Unit, University of  
Padua, Padua, Italy

**Dr. Federica Morano**

Department of Medical Oncology,  
IRCCS Foundation National  
Cancer Institute, Milan, Italy

Deadline for manuscript  
submissions:

**closed (31 May 2022)**

### Message from the Guest Editors

Dear Colleagues,

Starting from the adenoma to carcinoma transition, several more detailed findings have enriched our knowledge of CRC pathogenesis, allowing CRC disease's stratification in different prognostic classes associated to both different molecular subgroups and genomic signatures, making it possible to predict CRC outcome. However, molecular characterization and DNA methylation alone do not appear sufficient to drive further improvements of therapeutic regimens, and additional studies taking into account epigenetic changes and interactions with the tumor microenvironment are needed to identify the best therapeutic approach and the potential role of novel therapies.

It is urgent to identify early diagnosis biomarkers through the identification of new biological and molecular “signatures” and the integration of morphological and immunophenotypical features able to improve the prognosis and efficacy of the therapeutic response.

This Special Issue will also be dedicated to gastroenteropancreatic neuroendocrine neoplasms—a rare and heterogeneous population of tumors whose incidence rate has increased dramatically over the past several years.





an Open Access Journal by MDPI

## 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

## 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.

## 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 (Inorganic Chemistry)

## Contact Us

---

*International Journal of Molecular  
Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/ijms  
ijms@mdpi.com  
X@IJMS\_MDPI