

## Special Issue

# MicroRNA Signaling in Human Diseases

### Message from the Guest Editor

An increasing interest in non-coding RNAs has developed in recent years. In particular, research on microRNAs, has made a leap forward with the identification of more than 2000 different miRNAs in humans, but also in animals and plants. Originating from the transcription of independent genes (canonical pathway) or introns of genes encoding proteins (alternative pathway) throughout genomes, these miRNAs are involved in a huge variety of biological processes including development, differentiation, response to stress, homeostasis, cell death, inflammation, and the host immune response. However, it is important to fully understand the complex mechanisms of inhibition through partial complementarity of transcription of miRNAs as well as the specific cell signaling pathways specifically regulated by miRNAs in cell. This Special Issue will be dedicated to the role of miRNAs on cell physiology and human pathology. All studies which help to enrich knowledge on the intimate mechanisms of gene regulation exerted by miRNAs and signaling pathways involving miRNAs in different physiological and pathological situations will be welcome.

### Guest Editor

Prof. Dr. Imad Kansau

1. Faculté de Pharmacie, Université Paris-Saclay, 91400 Orsay, France  
2. Hôpital Antoine Beclère (APHP), 92140 Clamart, France

### Deadline for manuscript submissions

closed (12 October 2021)



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

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### 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.

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### 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

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