Special Issue

Dendritic Cell and Cancer Therapy

Message from the Guest Editor

The strategies for cancer immunotherapy have obtained mixed results mainly due to immune suppression and several immune escape mechanisms induced by tumor cells. In this regard, Dendritic Cells have become a hopeful instrument for cancer vaccines that aims to re-educate the immune system, leading to a potent anti-cancer response that is able to overcome the immunosuppressive tumor microenvironment. However, cancer cells can deregulate Dendritic Cell function by a combination of different mechanisms, including antigen down-regulation and secretion of molecules that together adjust the immune-stimulating or the immune-suppressive functional plasticity of Dendritic Cells.

Therefore, new insights will be helpful to define molecules and pathways that can modulate the performance of Dendritic Cell subsets. In particular, a better comprehension of the complex interactions occurring in the tumor microenvironment will undoubtedly improve the design of really efficient and durable immunotherapeutic approaches for tumor disease control.

Guest Editor

Dr. Domenico Galati

Haematology-Oncology and Stem Cell Transplantation Unit, Department of Haematology and Developmental Therapeutics, Istituto Nazionale Tumori - IRCCS - Fondazione G. Pascale, Napoli, Italia

Deadline for manuscript submissions

closed (31 May 2022)

International Journal of Molecular Sciences

an Open Access Journal by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed

mdpi.com/si/83266

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

mdpi.com/journal/ijms

MDPI

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

MDPI

About the Journal

Message from the Editor-in-Chief

The *International Journal of Molecular Sciences* (*IJMS*) 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, and molecular biophysics. *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. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology "Jose Mataix", Biomedical Research Center, University of Granada, Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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)