



Adenovirus: Enduring Toolbox for Basic and Applied Research

Guest Editor:

**Dr. Ruben Hernandez-
Alcoceba**

Gene Therapy Program, Center
for Applied Medical Research
(CIMA), University of Navarra,
Instituto de Investigación
Sanitaria de Navarra (IdiSNA), Pío
XII 55, 31008 Pamplona, Spain

Deadline for manuscript
submissions:

closed (30 September 2021)

Message from the Guest Editor

Dear Colleagues,

The study of adenovirus biology is an endless source for discovery in life sciences.

More recently, adenoviruses have become versatile therapeutic platforms: oncolytic agents, replication-defective vaccines, and high-capacity vectors allowing efficient and stable expression of transgenes *in vivo*. This continuous effort requires a deep understanding of adenovirus structure and function.

In this Special Issue, we aim to compile state-of-the-art reviews and research articles on basic aspects of adenovirus, and the applications of this knowledge for the improvement of therapeutic agents. This includes, but is not restricted to: viral entry; intracellular trafficking; replication; encapsidation, genome maintenance in infected cells; host interactions; virus persistence; oncolytic adenoviruses; adenoviral vectors, and adenoviral-based vaccines.

In a moment in which gene therapy achievements and limitations are getting renewed attention, we believe this Special Issue is timely and appropriate. Please consider this opportunity to contribute to the advancement of this exciting field.

Dr. Ruben Hernandez-Alcoceba
Guest Editor





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 & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

Contact Us

International Journal of Molecular
Sciences Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI