



Development of Vaccines against Arboviruses

Guest Editor:

Dr. Daniela Santoro Rosa

Departamento de Microbiologia,
Imunologia e Parasitologia,
Universidade Federal de São
Paulo, São Paulo, 04021-001,
Brazil

Deadline for manuscript
submissions:

closed (15 April 2024)

Message from the Guest Editor

Dear Colleagues,

Vaccines are the most successful strategy for preventing infectious diseases, saving millions of lives. In the past few years, vaccine development has evolved from traditional vaccine platforms (whole virus vaccines) to third-generation vaccines, such as genetic and viral vector vaccines. Such improvement in vaccine platforms has been substantially impacted by molecular biology research.

Arthropod-borne viruses, known as arboviruses, are widely distributed worldwide and the diseases caused by these viruses represent a global public health concern. In recent years, outbreaks of diseases caused by arboviruses have highlighted their significant social and economic impact. Despite substantial efforts, there are few licensed vaccines against arboviruses. This Special Issue focuses on the development and testing of vaccine candidates against arboviruses, with special focus on vaccines developed using molecular biology techniques. Submissions of Original Research Articles and Reviews are welcome, but not limited, to the following diseases:

- Dengue
- Chikungunya
- Zika
- Yellow fever
- Japanese encephalitis
- West Nile



mdpi.com/si/152481

Dr. Daniela Santoro Rosa
Guest Editor

Special Issue



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