



Study on the Prevention and Treatment of Arbovirus

Guest Editors:

Dr. Berlin Londono-Renteria

Department of Entomology,
Kansas State University,
Manhattan, KS 66505, USA

Dr. Guillermo Rua-Uribe

GEM-School of Medicine,
University of Antioquia, Medellin,
Colombia

Deadline for manuscript
submissions:

closed (31 May 2021)

Message from the Guest Editors

Dear Colleagues,

Arboviral diseases are significant burdens on the health of individuals and economies throughout the tropics and subtropics. Vector-borne pathogens are transmitted to humans via the bite of an infected arthropod and then back to the mosquito during blood feeding. The epidemic has grown and become more frequent in both temperate and tropical regions. Vector control is still the primary control strategy for most of these diseases, and vaccines are available only for a handful of those, rendering susceptible populations at risk. With this Special Issue, we aim to discuss emerging concepts in vector-host interaction influencing pathogen emergence and other concepts in vector biology, pathogen transmission, and molecular interactions leading to pathogen transmission success. We also intend to discuss the influence of arthropod salivary proteins in modifying immune responses in the vertebrate host or in aiding/preventing pathogen replication, all in an effort to propose potential control strategies, including new therapeutic candidates such as vaccines and drug alternatives.

Dr. Berlin Londono-Renteria

Dr. Guillermo Rua-Uribe

Guest Editors





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Ralph A. Tripp

Department of Infectious
Diseases, College of Veterinary
Medicine, University of Georgia,
Athens, GA 30602-7387, USA

Message from the Editor-in-Chief

Vaccines (ISSN 2076-393X) has had a 6-year history of publishing peer-reviewed state of the art research that advances the knowledge of immunology in human disease protection. Immunotherapeutics, prophylactic vaccines, immunomodulators, adjuvants and the global differences in regulatory affairs are some of the highlights of the research published that have shaped global health. Our open access policy allows all researchers and interested parties to immediately scrutinize the rigorous evidence our publications have to offer. We are proud to present the work and perspectives of many to contribute to future decisions concerning human health.

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**, **Embase**, **CAPLus / SciFinder**, and **other databases**.

Journal Rank: JCR - Q1 (*Immunology*) / CiteScore - Q1 (*Pharmacology (medical)*)

Contact Us

Vaccines Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/vaccines
vaccines@mdpi.com