

Special Issue

Arboviruses and Global Health: A PanDengue Net Initiative

Message from the Guest Editors

This Special Issue is in collaboration with the Pan-American Dengue Research Network and the Global Health Institute, University of Wisconsin, Madison, and is expected to provide a dynamic and rapid platform for you to publish your ongoing research work on arbovirology in general, with a special emphasis on flavivirus and its impact on global health. The field of dengue research has shown considerable expansion in the last decade, with a licensed vaccine in the market, several new vaccine candidates, better understanding of disease determinants, and new developments in diagnosis, prognosis, and investigational treatments. Additionally, for this SI the scientific scope will be expanded to cover Zika, Chikungunya, Mayaro, arboviruses which have recently re-emerged in the Americas with devastating effects on human public health. In addition, despite many years of research, multiple key questions related to complex immune interaction among flaviviruses, including the humoral, T cell, and innate immune response, are still open. Without a doubt, these areas need to be covered in order to design effective therapeutics and vaccine approaches.

Guest Editors

Dr. Carlos A. Sariol

Unit of Comparative Medicine, School of Medicine, University of Puerto Rico, San Juan 00936, Puerto Rico

Dr. Jorge Osorio

Department of Pathobiological Sciences, School of Veterinary Medicine, University of Wisconsin, Madison, WI 53706, USA

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Editor-in-Chief

Dr. Eric O. Freed

HIV Dynamics and Replication Program, Center for Cancer Research,
National Cancer Institute, Frederick, MD 21702-1201, USA

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