

Special Issue

Molecular Epidemiology, Evolution, and Dispersion of Flaviviruses

Message from the Guest Editors

Flaviviruses continue to fascinate scientists from Africa to the Americas. Flaviviruses are positive-strand RNA viruses belonging to the family Flaviviridae, which are maintained in nature in complex transmission cycles. The genus includes the West Nile virus, dengue virus, tick-borne encephalitis virus, yellow fever virus, Zika virus, and several other viruses which may cause encephalitis. Research over the past few decades has unraveled many aspects of flaviviral behavior in natural conditions and has pointed toward their multifaceted virulence mechanisms. These viruses pose a significant global public health risk and, thus, have triggered intensive research into many areas related to their transmission dynamics, pathogenesis, and disease. In this Special Issue, we welcome research papers and review articles related to all aspects of Flavivirus research. Topics of interest include (but are not limited to) virus genetics, epidemiology, virus–host interactions, pathogenesis, vaccine development, improvement in diagnostics, as well as vector entomology.

Guest Editors

Dr. Marta Giovanetti

1. Department of Sciences and Technologies for Sustainable Development and One Health, Università Campus Bio-Medico di Roma, Rome, Italy

2. Instituto Rene Rachou Fundação Oswaldo Cruz, Belo Horizonte 30.190-009, Brazil

Dr. Fernanda De Bruycker Nogueira

Laboratory of Flavivirus, Oswaldo Cruz Foundation, Rio de Janeiro, Brazil

Dr. Ana Maria Bispo De Filippis

Fundacao Oswaldo Cruz, Rio de Janeiro, Brazil

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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About the Journal

Message from the Editor-in-Chief

Viruses (ISSN 1999-4915) is an open access journal which provides an advanced forum for studies of viruses. It publishes reviews, regular research papers, communications, conference reports and short notes. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. The full experimental details must be provided so that the results can be reproduced. We also encourage the publication of timely reviews and commentaries on topics of interest to the virology community and feature highlights from the virology literature in the 'News and Views' section.

Electronic files or software regarding the full details of the calculation and experimental procedure, if unable to be published in a normal way, can be deposited as supplementary material.

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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