



Flaviviruses and Flavivirus Vaccines

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

The Flaviviruses represent a family of positive, single-stranded, enveloped RNA viruses which can be transmitted by arthropods such as mosquitoes and ticks. It includes the Yellow Fever virus, Dengue virus, Japanese encephalitis, West Nile viruses, and Zika virus. Flaviviruses are now globally distributed and infect up to 400 million people each year and mainly spreading in the tropical region which covered the majority of the poverty countries such as south and southeast Asia and Africa. During the last 70 years, multiple epidemics have occurred, including epidemics of dengue virus and West Nile virus, and the most recent explosive epidemic of Zika virus in the Americas. To counter the Flavivirus infection, vaccine is the ultimately approach. Currently, commercially available licensed vaccines exist for five flaviviruses (YFV, DENV, JEV, KFDV and TBEV), and several others have been evaluated in preclinical and clinical studies. This Special Issue is focus on the flavivirus and flavivirus vaccine to understanding the pathogenesis and vaccine development for flavivirus

Dr. Chao Shan
Guest Editor





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Message from the Editor-in-Chief

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