

Special Issue on  
**Molecular Detection and Differentiation of Emerging or Reemerging Viruses and Development of Antivirals**

# CALL FOR PAPERS

Viruses have been infecting humans since even before our species evolved into its modern form. Although vaccines and antiviral drugs have allowed us to control and even eradicate some viral infections, the recent Ebola and Zika virus outbreaks have proved that we are under constant threat of deadly viral infections. Besides the emergence of viruses like Ebola and Zika, the development of drug-resistant strains of various viruses such as HBV, HCV, etc., has increased the overall burden on human health associated to viral infections.

One of the four strategic axes of the WHO's policy on prevention and control of viral infections focuses on their accurate screening, care, and treatment. The discriminative detection of viral strains is critical not only for the precise treatment but also for preventing the spread of drug-resistant viral strains. Moreover, the ability to detect particular mutations in the drug-resistant viral strains enables the implementation of research aimed at the development of novel drug candidates which can be more efficient than the existing drug molecules.

We invite authors to contribute original research articles as well as review articles that will illustrate and stimulate the continuing effort to find different ways to screen (detect and discriminate) and treat viral infections. The screening of viral infections can include the detection of diagnostic/predictive biomarkers such as RNA, DNA, and proteins. The scope for the development of innovative therapeutic strategies is ever expanding due to the increase in the global burden of drug-resistant viruses. Thus, articles on the development of novel antiviral agents and their effectiveness against the drug-resistant viral strains are also highly encouraged.

Potential topics include but are not limited to the following:

- Identification of novel viral strains
- Identification of mutations in drug-resistant viral strains
- Recent developments in technologies for the detection of viruses, including but not limited to microarrays, microfluidics, and RT-PCR
- Development of antiviral agents

Authors can submit their manuscripts through the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/bmri/virology/ddiv/>.

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