Aims & Scope:

The proposed issue is named “An overview of laboratory methods in virology” and aims to describe the current state-of-the-art laboratory methods and their applications in virology. Viral infections have become a major public health concern. The global burden viral hepatitis viruses (Hepatitis B and C viruses) are increasingly recognised. For example, HBV has been placed in the 20 top causes of human mortality. Similarly as for 2015, the global number of people living with HIV has been estimated to 36.7 million. Laboratory methods have been played a significant role in diagnosis, follow-up, treatment and prognosis of viral infections. The current thematic issue aims to provide an update of the current-state-of-the art laboratory methods applied in chronic viral infections.

Topics to be covered (main bioactive component):

Application of massive parallel sequencing in virology

Clinical utility of low levels HIV-viremia

The role of HIV-DNA in HIV-infection

Human endogenous retroviruses: an overview

The role of HBV-DNA as a marker of HBV-infection

Laboratory methods for the detection of early HIV infection

Keywords:

Laboratory methods, virology, HIV, HBV, endogenous retroviruses

Submission timeline:

April 2018.