



Recent Advances in Understanding Epstein-Barr Virus

Guest Editors:

Prof. Dr. Hironori Yoshiyama

Department of Microbiology,
Shimane University Faculty of
Medicine, Shimane 693-8501,
Japan

Prof. Teru Kanda

Department of Microbiology,
Faculty of Medicine, Tohoku
Medical Pharmaceutical
University, Sendai, Japan

Deadline for manuscript
submissions:
closed (31 March 2019)

Message from the Guest Editors

The Epstein-Barr virus (EBV) is a human gamma-herpesvirus and more than 90% of population is infected with the virus. EBV infects with oropharyngeal naïve B lymphocytes through saliva then spread to the adjacent B lymphocytes and epithelial cells. Immunological maturation of infected host divides initial infections to asymptomatic infection in infancy and infectious mononucleosis in adolescence. The initial productive lytic infection will shift to persistent latent infection, where limited viral transcripts are expressed to support persistent infection. In most of the cases, EBV associates with the infected person without any symptoms during the person's life. Primarily resting memory B lymphocytes in peripheral blood provide a permanent reservoir for the virus. However, EBV sometimes shifts from latent to lytic infection in association with local or systemic immunological suppressions. The life long persistence and regional activation may induce oncogenic activation of infected cells in some persons.

Prof. Hironori Yoshiyama

Prof. Teru Kanda

Guest Editors





an Open Access Journal by MDPI

Editor-in-Chief

Dr. Nico Jehmlich

Department of Molecular
Systems Biology, UFZ-Helmholtz
Centre for Environmental
Research, 04318 Leipzig,
Germany

Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, PubAg, CAPlus / SciFinder, AGRIS, and other databases.

Journal Rank: JCR - Q2 (*Microbiology*) / CiteScore - Q2 (*Microbiology*)

Contact Us

Microorganisms Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/microorganisms
microorganisms@mdpi.com
X@Micro_MDPI