

Special Issue

Cytomegalovirus Infection

Message from the Guest Editor

Human cytomegalovirus (HCMV), a member of the betaherpesvirus family, is the leading cause of congenital neurological complications in neonates as a result of maternal infection. Among immunocompromised patients—especially those with an organ transplant, chemotherapy, or AIDS—the reactivation of virus causes life-threatening diseases, such as gastroenteritis, encephalitis, pneumonitis, and graft rejection. In addition, HCMV infection is also implicated in widespread ocular damage and potential vision loss from retinitis, anterior uveitis, and corneal endotheliitis. Recent studies have suggested the potential role of a sulfated form of heparan sulfate (HS) during HCMV entry. Therefore understanding overall mechanism is critical to develop novel therapeutic interventions. The special issue ‘Human cytomegalovirus infection’, we invite submission of research and review manuscripts that cover any aspect of the epidemiology, molecular and cell biology, immunology, diagnosis, treatment and prevention of infection-related HCMV.

Guest Editor

Dr. Vaibhav Tiwari

1. Departments of Ophthalmology and Visual Sciences & Microbiology/Immunology, University of Illinois at Chicago, Chicago, IL, USA
2. Department of Microbiology and Immunology, Midwestern University, Downers Grove, IL, USA

Deadline for manuscript submissions

closed (31 August 2018)



Pathogens

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 6.8
Indexed in PubMed



mdpi.com/si/10904

Pathogens
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
pathogens@mdpi.com

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About the Journal

Message from the Editor-in-Chief

The worldwide impact of infectious disease is incalculable. The consequences for human health in terms of morbidity and mortality are obvious and vast but, when infections of animals and plants are also taken into account, it is hard to imagine any other disease that has such a significant impact on our lives—on healthcare systems, on agriculture and on world economics.

Pathogens is proud to continue to serve the international community by publishing high quality studies that further our understanding of infection and have meaningful consequences for disease intervention.

Editor-in-Chief

Prof. Dr. Hinh Ly

Department of Veterinary & Biomedical Sciences, University of Minnesota, Twin Cities, MN, USA

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