Special Issue

Coxsackievirus Infection and Associated Diseases 2.0

Message from the Guest Editor

This Special Issue is a continuation of our previous Special Issue "Coxsackievirus Infection and Associated Diseases". The molecular biology of coxsackieviruses, epidemiological and clinical aspects, host response, virus–host interaction, and immunopathology have been investigated. The sum of knowledge regarding the virulence of these agents, the mechanisms of pathogenesis, and their role in human diseases (acute and chronic) has increased considerably in recent years. The role of coxsackieviruses A (CV-A) in hand, foot, and mouth disease has been a driving force to improve the knowledge about these viruses. The hypothesis of the role of coxsackieviruses B (CV-B) in the pathogenesis of chronic myocarditis and dilated cardiomyopathy and in the pathogenesis of T1D have helped in improving knowledge about the cellular and molecular mechanisms of CV-B infection and about the impact of these viruses on cells that are possibly involved in the development of diseases. It was observed that antibodies enhance the infection of immune cells with CV-B. Various strategies based on antiviral molecules and vaccines were developed to fight CV-A and CV-B.

Guest Editor

Prof. Dr. Didier Hober

Laboratoire de Virologie ULR3610, Université Lille et CHU Lille, 59000 Lille, France

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

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"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.

Editor-in-Chief

Dr. Nico Jehmlich
Department of Molecular Toxicology, UFZ-Helmholtz Centre for Environmental Research, 04318 Leipzig, Germany

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