Special Issue

Molecular Biology of Coronaviruses in Animals

Message from the Guest Editor

Coronaviridae belong to RNA viruses, and because of the spike-likeprotein on the mantle, their appearance under an electron microscope is very similar to the crown, hence the name "crown". In addition to the SARS-CoV that caused panic in 2020, the Middle East respiratory syndrome coronavirus (MERS-CoV) is one of the zoonotic coronaviruses that was listed on the WHO Research and Development Blueprint of emerging pathogens. Typical MERS symptoms include fever, cough and shortness of breath. One-humped camels are believed to play important roles in the evolution and transmission of the virus. However, there are many aspects of the transmission cycle of the virus from animals to humans that are still not fully understood. Further large-scale studies are required to confirm the potential roles of rodents in the context of the MERS-CoV transmission cycle. In this Special Issue, entitled “Molecular Biology of Coronaviruses in Animals”, we aim to present research and theoretical papers addressing all of these questions in addition to many others related to Coronaviruses.

Guest Editor

Prof. Dr. Maged Gomaa Hemida

College of Veterinary Medicine, Long Island University, Brooklyn, NY, USA

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Microorganisms
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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