

Special Issue

Cytoskeletoxins: Bacterial and Viral Effector Proteins Targeting the Cytoskeleton

Message from the Guest Editor

The ability to disrupt, manipulate, or hijack the cytoskeleton is a common feature of numerous bacterial and viral pathogens.

Several effector proteins/toxins produced by pathogenic bacteria and viruses are reasonably well understood and have become indispensable tools for revealing secrets of the cytoskeleton organization and function. Many are understood superficially, while still others remain to be discovered. In this Special Issue of IJMS, we invite research publications and review articles in a broad area at the interface between pathogens and the cytoskeleton that reveal novel details of the toxin pathogenicity, contribute to the understanding of the host, or summarize the existing knowledge on either of the two topics.

The word “cytoskeletoxins” in the title of this Special Issue cannot be found in dictionaries. It is meant to intrigue and attract the attention of potential authors and readers, but also to emphasize that the number of effector proteins targeting the cytoskeleton is so large and their role in the pathogenesis of various infectious diseases is so important that this group of effectors deserves to be given a very special name.

Guest Editor

Dr. Dmitri S. Kudryashov

Department of Chemistry and Biochemistry, The Ohio State University, Columbus, OH 43210, USA

Deadline for manuscript submissions

closed (30 November 2020)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/36490

*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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