

Special Issue

Advances in Molecular Pathology and Therapeutics of Bacterial Infections

Message from the Guest Editor

Our improved knowledge of host innate immunity and the corresponding pathogen immune evasion strategies has highlighted the still unexplored aspects of the relationship between host and pathogen. Despite the dramatic reduction in the incidence of infectious diseases, new bacterial pathogens are emerging and old illnesses, such as tuberculosis, bacteria-induced pneumonias, and diarrheas, still result in global mortality. Treatment with conventional antibiotics has been hampered by the increased rate of antibiotic resistance that often results from multidrug- or pandrug-resistant bacterial strains. In this context, pharmaceutical industries have been reducing the development of new antibiotics. A scenario is thus arising of a future where many bacterial infections could become untreatable. As a result, alternative non-antibiotic approaches are being explored in order to develop novel reliable therapies. In this Special Issue, we will provide an overview of state-of-the-art molecular mechanisms of bacterial pathogenesis and innovative therapeutic approaches to fight against bacterial infection.

Guest Editor

Prof. Dr. Maria Lina Bernardini
Department of Biology and Biotechnology, Sapienza University of Rome, Via dei Sardi 70, 00185 Rome, Italy

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

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Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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