



Current Trends in Exploiting Molecular Signaling in Bacteria and Host Immunomodulation

Guest Editors:

Prof. Monica C. Gestal

Department of Microbiology and Immunology, Louisiana State University, Health Science Center, Shreveport, LA, USA

Dr. Alina Maria Holban

1. Department of Microbiology and Immunology, Faculty of Biology, University of Bucharest, 060101 Bucharest, Romania
2. The Research Institute of the University of Bucharest, ICUB, 060023 Bucharest, Romania

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Message from the Guest Editors

Dear Colleagues,

Infectious diseases are one of the biggest threats to humankind, and despite the fact that we have been studying infectious diseases for over a century, there is still a lot to be learned. With the discovery of antibiotics, life expectancy increased significantly; unfortunately, due to their overuse/misuse they are no longer as effective, creating an imperative need to develop novel strategies to be applied in vaccine and therapeutic development.

The goal of this Special Issue is to provide a platform to exchange ideas, that demonstrate that bacteria can sense and respond to multiple stimuli, including other bacteria, other microorganisms, and even host immunity. We anticipate that this Special Issue will be the source of many novel ideas to come for the future development of vaccines and therapies that can even be applied to multiple infections.

Keywords include, but are not limited to:

- quorum sensing
- bacterial signaling
- host immunity
- immunomodulation
- host–pathogen communication
- biofilms
- vaccines





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Editor-in-Chief

Dr. Nico Jehmlich

Department of Molecular
Systems Biology, UFZ-Helmholtz
Centre for Environmental
Research, 04318 Leipzig,
Germany

Message from the Editor-in-Chief

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Microorganisms Editorial Office
MDPI, St. Alban-Anlage 66
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