



## The Influence of Biofilm Aggregates and Antimicrobial Resistance on Clearance of Infection

Guest Editors:

### Dr. Jim Manos

Discipline of Infectious Diseases & Immunology, School of Medical Sciences, Faculty of Medicine and Health, The University of Sydney, NSW 2006, Australia

### Dr. Karen Vickery

Surgical Infection Research Group, Faculty of Medicine and Health Sciences, Macquarie University, Sydney, NSW, Australia

Deadline for manuscript submissions:

**closed (31 December 2021)**

### Message from the Guest Editors

The phenomenon of bacterial cell aggregation to form biofilms poses a key threat to the effective treatment of chronic bacterial infections. Biofilms render internalized cells passively resistant to antibiotic killing due to lowered levels of penetration, allowing surviving cells to persist and develop resistance to these antibiotics. Thus, the issue of how to remove/kill aggregated bacteria without enhancing antibiotic resistance has led researchers to investigate the use of parallel treatments (adjuvants, synergistically active compounds, and new antibiotics) to provide a better pathway towards aggregate penetration and bacterial eradication. The *in vivo* effects of some of these antibiofilm/antibiotic combinations are now under investigation.

In this Special Issue, we invite you to contribute original research and review articles describing the ability of antibiofilm treatments—traditional and novel—to enhance antibiotic effectiveness in the eradication of infecting bacteria. Particular emphasis is placed on treatments that have shown promising results *in vivo* (animal and human trials).





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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, Grosspeteranlage 5  
4052 Basel, Switzerland

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