



## ***Staphylococcus aureus*: Host Interactions and Adaptation**

Guest Editors:

**Prof. Dr. Richard George Douglas**

Department of Surgery, School of Medicine, The University of Auckland, Auckland 1023, New Zealand

**Dr. Kristi Biswas**

Department of Surgery, School of Medicine, The University of Auckland, Auckland 1023, New Zealand

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### **Message from the Guest Editors**

This Special Issue aims to delve into the cutting-edge research on the host interactions and adaptations of *Staphylococcus aureus*, inviting researchers to contribute their latest findings and insights to advance our understanding of this clinically significant pathogen. Topics of interest include the following:

- Virulence factors: Exploration of the key virulence factors of *S. aureus* and their role in host colonization, immune evasion, and pathogenesis.
- Antibiotic resistance: Investigation of the mechanisms driving antibiotic resistance in *S. aureus* and the development of novel therapeutic approaches with which to combat resistant strains.
- Biofilm formation: Understanding biofilm formation by *S. aureus* and its impact on treatment outcomes and chronic infections.
- Host immune response: Study of host immune responses to *S. aureus* infections, including immune evasion strategies employed by the pathogen.
- Genomic adaptation: Analysis of genomic adaptations in *S. aureus* populations under selective pressures, shedding light on evolutionary dynamics and the emergence of new strains.





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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

"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.

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*Microorganisms* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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