Special Issue

New Strategies for Pathogenic Biofilms

Message from the Guest Editor

The biofilm form is a very effective refuge for harboring cells since it provides high resistance to environmental stressors, including the immune system and therapeutic interventions. One of the defensive strategies is a protective layer consisting of a mixture of extracellular polymeric substances secreted by the cells established within the biofilm. Furthermore, inside the biofilm, the bacteria create unique social interactions and launch various defensive strategies to protect the community. In summary, a clear understanding of the exact mechanism of biofilm development and its resistance strategies against the immune system and antibiotics, as they function in model systems that mimic clinical conditions, could help us develop therapeutic targets for chronic conditions caused by pathogenic biofilms. This Special Issue seeks manuscript submissions for novel model systems to study biofilm physiology, host immune response, and new therapeutic approaches for pathogenic biofilms such as original research papers, short communications, reviews, case reports, and perspectives.

Guest Editor

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Deadline for manuscript submissions

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"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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