

# Special Issue

## Oral Biofilms and Human Health

### Message from the Guest Editors

While the mouth's innate immune defense can protect the host against many pathogens, sustained inflammation leads to oral tissue damage and contributes to systemic issues. Chronic oral inflammation can negatively impact systemic health, pregnancy outcomes, cognitive health, and respiratory illnesses. There is also increasing evidence that host genetics can also increase some individuals' susceptibility to infections, making them more predisposed to periodontal disease. Therefore, it is critical to identify precise therapies to help people reduce their oral inflammatory burden and support a healthier mouth. Research needs to continue to use precision health approaches to address differences in the host response to bacteria and oral biofilms. In order to explore opportunities to better manage oral diseases and their impact on the host response, researchers and experts in oral biofilms and host-microbial interactions are invited to contribute to this Special Issue. Research areas may also include how precision diagnostics and therapeutics can be applied to prevent and personalize the treatment of oral diseases.

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### Guest Editors

Dr. LaTonya Kilpatrick-Liverman

Dr. Carlo Daep

Prof. Dr. Richard Darveau

Dr. Jeffrey S. McLean

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### Deadline for manuscript submissions

closed (15 October 2024)



## Microorganisms

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## About the Journal

### 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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### Editor-in-Chief

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