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The Ocular Microbiome

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Deadline for manuscript submissions:
closed (31 March 2021)

Message from the Guest Editors

Dear Colleagues,

Background: The ocular surface microbiome is a complex network of microorganisms that live on the surface of the eye. Studies have shown that the microbiome is not only composed of bacteria, but also viruses, fungi and rarely protozoa. Various factors can influence these organisms, including ocular surface health, aging, contact lens wear, medications, infections and ocular surgery. Additionally, the interplay between these microorganisms, the ocular surface and invading pathogens may have important roles in disease pathophysiology.

Goal: Basic and translational research on the ocular surface microbiome, the interspecies and intraspecies interactions and host response is required in order to elucidate their roles in the health and disease of the eye.

Scope: This Special Issue will feature the diversity of the ocular surface microbial community, their interactions and impact on ocular surface homeostasis. Authors are invited to submit original basic and translational research articles or reviews.

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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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