

Special Issue

The Ocular Microbiome

Message from the Guest Editors

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.

Guest Editors

Prof. Dr. Darlene Miller

1. Department of Ophthalmology, Bascom Palmer Eye Institute, University of Miami Miller School of Medicine, Miami, FL, USA
2. Ocular Microbiology Laboratory, Anne Bates Leach Eye Center, Bascom Palmer Eye Institute, University of Miami Miller School of Medicine, McKnight Research Pavilions, Rm 103A, 1638 NW 10th Avenue, Miami, FL 33136, USA
3. Department of Microbiology and Immunology, University of Miami Miller School of Medicine, Miami, FL, USA

Dr. Kara Cavuoto

Bascom Palmer Eye Institute, University of Miami Miller School of Medicine, 900 NW 17th Street, Miami, FL 33136, USA

Deadline for manuscript submissions

closed (31 March 2021)



Microorganisms

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed



mdpi.com/si/49788

Microorganisms
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
microorganisms@mdpi.com

[mdpi.com/journal/
microorganisms](https://mdpi.com/journal/microorganisms)





Microorganisms

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed



[mdpi.com/journal/
microorganisms](https://mdpi.com/journal/microorganisms)



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.

Editor-in-Chief

Dr. Nico Jehmlich

Department of Molecular Toxicology, UFZ-Helmholtz Centre for
Environmental Research, 04318 Leipzig, Germany

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, PubAg, CAPlus / SciFinder, AGRIS, and other databases.

Journal Rank:

JCR - Q2 (Microbiology) / CiteScore - Q1 (Microbiology (medical))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.2 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).