

Special Issue

Genetic Engineering in Mycobacteria and Modern Microbiological Studies

Message from the Guest Editor

Tuberculosis kills 1.5 million people every year. The tuberculosis causative agent (*Mycobacterium tuberculosis*) has a unique ability to evade host immunity effectively and survive for years in the host organism in acute or dormant forms. The situation is further worsened by the spread of multiresistant strains, while existing TB vaccines do not provide secure protection. Targeted changes introduced in the bacterial genome make it possible to investigate molecular mechanisms of interactions between mycobacteria and the host, explore the physiology of transition to and from latent tuberculosis infection, and find new targets for antimycobacterial drugs. We are pleased to invite you to contribute to a Special Issue of *Microorganisms* (IF=4.926) concerning any aspects of genetic engineering of mycobacteria, both *Mycobacterium tuberculosis* and closely related species, and their applications in breakthrough mycobacterial studies. The Special Issue is aimed at the exchange of information among leading scientists dealing with the study of mycobacteria, their physiology, and the development of antituberculosis drugs and vaccines using genetic methods.

Guest Editor

Dr. Anna V. Goncharenko

Bach Institute of Biochemistry, Federal Research Centre "Fundamentals of Biotechnology" of the Russian Academy of Sciences, 119071 Moscow, Russia

Deadline for manuscript submissions

closed (15 November 2023)



Microorganisms

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Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed



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

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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.

Editor-in-Chief

Dr. Nico Jehmlich

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

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