

Special Issue

Neonatal Bacterial Infections

Message from the Guest Editor

The neonatal period has the highest lifetime risk of serious infections and is the most vulnerable time for survival. Neonatal infections are primarily bacterial in origin and remain a major global health challenge, contributing substantially to morbidity and mortality during the first weeks of life. This Special Issue of *Microorganisms* aims to bring together original research manuscripts, case reports, and reviews that address the biology, pathogenesis, and immunology of neonatal bacterial infections. Topics of interest include, but are not limited to, the following: mechanisms of bacterial transmission, neonatal immune responses, models of neonatal infection, the influence of neuroimmune and microbiome interactions, and clinical perspectives on prevention, diagnostics, and treatment. By compiling these contributions, we aim to advance our understanding of neonatal bacterial infections and highlight potential strategies for prevention and therapy, with the ultimate goal of reducing the global burden of neonatal disease.

Guest Editor

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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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