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Streptococcus: Biology, Pathogenesis, Epidemiology and Evolution

Guest Editors:

Prof. Dr. Tatiana Castro Abreu Pinto
Instituto de Microbiologia Paulo de Goes, Universidade Federal Do Rio de Janeiro, Rio de Janeiro 21941-902, Brazil

Prof. Dr. Felipe Piedade Gonçalves Neves
Instituto Biomédico, Universidade Federal Fluminense, Niterói 24020-150, RJ, Brazil

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Message from the Guest Editors

Dear Colleagues,

Streptococci are Gram-positive, catalase-negative cocci. Certain streptococcal species show a high degree of host and disease specificity, while others can cause a wide array of different pathologies in distinct hosts. Some species are recognized as classical pathogens for humans and/or other animals, while others are typically opportunistic. Some of these opportunists, however, are becoming increasingly important, due to their ability to acquire new mechanisms of antimicrobial resistance. Streptococcal species are also emerging in the One Health context, and some of them have been associated with zoonotic infections. The increasing relevance of streptococci in new and reemerging diseases as well as in antimicrobial resistance has boosted many initiatives for vaccine development. Elucidating aspects of the biology, pathogenesis, and evolution of streptococci, especially using novel genomic and proteomic approaches, will help us to better understand this complex group of microorganisms and lead to improved measures to prevent and control streptococcal infections.

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Editor-in-Chief

Prof. Dr. Nicholas Dixon
School of Chemistry and Molecular Bioscience, University of Wollongong, Wollongong, NSW 2522, Australia

Message from the Editor-in-Chief

There are very few fields that attract as much attention as scientific endeavor related to antibiotic discovery, use and preservation. The public, patients, scientists, clinicians, policy-makers, NGOs, governments, and supra-governmental organizations are all focusing intensively on it: all are concerned that we use our existing agents more effectively, and develop and evaluate new interventions in time to face emerging challenges for the benefit of present and future generations. We need every discipline to contribute and collaborate: molecular, microbiological, clinical, epidemiological, geographic, economic, social scientific and policy disciples are all key. *Antibiotics* is a nimble, inclusive and rigorous indexed journal as an enabling platform for all who can contribute to solving the greatest broad concerns of the modern world.

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Antibiotics Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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