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Antimicrobial Combination Therapy to Treat Difficult-to-Treat Infections: From Bench to the Bedside

Guest Editors:

Dr. Alessandra Oliva
Department of Public Health and Infectious Diseases, Sapienza University of Rome, Rome, Italy

Dr. Erlangga Yusuf
Department of Medical Microbiology and Infectious Diseases, Erasmus University Medical Center, Rotterdam, The Netherlands

Dr. Alessandra Mularoni
Infectious Disease and Infection Control Unit, IRCCS-ISMETT, UPMC, Palermo, Italy

Deadline for manuscript submissions:
closed (15 August 2024)

Message from the Guest Editors

In recent years, the combination of new or already known antimicrobial substances has been exploited to overcome the increasing problem of multidrug resistance. In this setting, definite evidence of the optimal indications of combination therapy or its superiority over monotherapy is still lacking, and represents an area of debate.

Studies are needed to understand whether combination therapy can be used and show satisfactory efficacy. Clinical microbiology studies and susceptibility tests are needed to investigate in vitro synergisms. Pharmacokinetic/pharmacodynamic studies are needed to understand whether the target attainment can be reached. Clearly, clinical studies, either observational or randomized control trials, are needed to investigate the efficacy of combination therapy.

In this Special Issue of *Antibiotics*, we welcome the submission of original research and review articles. Pharmacokinetic/pharmacodynamic studies may also be considered. We welcome fundamental science, animal studies, clinical trials, and observational studies. We are particularly interested in new antibiotics or molecules used to treat multidrug-resistant microorganisms.

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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, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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