Special Issue

Molecular Mechanisms of Stress-Mediated Bacterial Death

Message from the Guest Editor

Death is a central feature of microbial biology. Understanding and controlling microbial death are keys to antimicrobial effectiveness, limiting tolerance and persistence, and protecting gut microbiota during antimicrobial treatment. They are also important for the industrial production of toxic compounds by microbes. Lethal stressors have recently gained attention because of the possibility that they kill bacteria through a common mechanism, even though the classes differ with respect to primary targets. This special issue of *Antibiotics* will focus on novel observations concerning a variety of topics related to stress-induced death. Suitable subjects include antimicrobial tolerance and persistence, the roles of metabolic changes and signaling pathways, the accumulation of reactive oxygen and nitrogen species, death during differentiation, and programmed cell death. We invite the submission of both primary research reports and reviews of recent literature. All articles will be peer-reviewed.

Guest Editor

Prof. Dr. Karl Drlica

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Deadline for manuscript submissions

closed (30 April 2022)

Antibiotics

an Open Access Journal by MDPI

Impact Factor 4.6
CiteScore 8.7
Indexed in PubMed

mdpi.com/si/64514

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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.

Editor-in-Chief

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