



Molecular Mechanisms of Stress-Mediated Bacterial Death

Guest Editor:

Prof. Dr. Karl Drlica

Public Health Research Institute
and Department of Microbiology,
Biochemistry and Molecular
Genetics, New Jersey Medical
School, Rutgers Biomedical and
Health Sciences, Newark, NJ, USA

Deadline for manuscript
submissions:

closed (30 April 2022)

Message from the Guest Editor

Dear Colleagues,

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.





an Open Access Journal by MDPI

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 disciplines 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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPUS / SciFinder, and other databases.

Journal Rank: JCR - Q1 (*Pharmacology & Pharmacy*) / CiteScore - Q1
(*General Pharmacology, Toxicology and Pharmaceutics*)

Contact Us

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

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/antibiotics
antibiotics@mdpi.com
[X@antibioticsmdpi](https://twitter.com/antibioticsmdpi)