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Bacterial Cell Wall as Antimicrobial Target

Guest Editor:

Dr. Waldemar Vollmer
The Centre for Bacterial Cell Biology, Institute for Cell and Molecular Biosciences, Newcastle University, Newcastle upon Tyne, UK

Deadline for manuscript submissions:
closed (30 June 2016)

Message from the Guest Editor

Dear Colleagues,

This issue of Antibiotics is dedicated to the topic of bacterial cell wall as antimicrobial target. The cell wall is unique and essential to bacteria and a validated drug target whose synthesis is inhibited by some of our most successful classes of antibiotics. Primary research manuscripts and review articles dealing with the molecular mechanism of the various cytosolic and membrane steps in peptidoglycan synthesis, their regulation and inhibition by established drugs and novel inhibitors, as well as mechanisms for antibiotic resistance, are invited. Submitted manuscripts will be peer-reviewed to ensure that the issue contains high quality contributions. Collectively, this issue will summarize the current knowledge on bacterial cell wall synthesis and its inhibition by antimicrobials.

Dr. Waldemar Vollmer
Guest Editor

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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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Contact Us

Antibiotics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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