

Special Issue

Genomic Insights into Antimicrobial Resistance in Enterobacterales, Pseudomonas, and Acinetobacter

Message from the Guest Editors

Antimicrobial resistance, which compromises the effectiveness of antimicrobials and increases the risk of microbial infections, is currently a pressing global public health threat.

In this Special Issue titled 'Genomic Insights into Antimicrobial Resistance in Enterobacterales, Pseudomonas and Acinetobacter', our focus will be on a variety of topics related to the genomic understanding of these clinically important bacteria. Primary areas of interest encompass sequencing analysis of resistant isolates and microbiome samples from clinical and environmental settings; identification and functional characterization of resistance genes and mutations; pathogenomic analysis of resistant clones using in vitro and in vivo infection models. We encourage research that uncovers the complex genomic structures and novel resistance mechanisms, mobilomes facilitating resistance gene transfer, population genomics and epidemiology, and methodologies.

We will accept submissions of primary research reports, reviews, as well as meta-analyses. Please note that all submitted papers will be peer-reviewed.

Guest Editors

Dr. Taishi Tsubouchi

Dr. Masato Suzuki

Prof. Dr. Yukihiko Kaneko

Deadline for manuscript submissions

closed (30 June 2024)



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About the Journal

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.

Editor-in-Chief

Prof. Dr. Nicholas Dixon
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