Special Issue

Antimicrobial Resistance in Neisseria gonorrhoeae: Surveillance, Molecular Diagnosis and Point-of-care Tests, Mechanisms of Resistance

Message from the Guest Editors

This Special Issue will seek to highlight the most recent information and advances on antimicrobial resistant *N. gonorrhoeae*. To combat drug resistance, improvements in simple, inexpensive, and rapid diagnostics for gonorrhea infections are needed. The molecular epidemiology of resistant isolates should be better monitored globally to ascertain the dispersal of common resistant strains and the introduction of new phenotypes. New diagnostic methods for antimicrobial resistance must be developed and evaluated, as many regions of the world have no capacity for diagnostic or antimicrobial susceptibility testing of *N. gonorrhoeae* using presently-recommended methods. Further, the widespread use of nucleic acid amplification tests for diagnosing *N. gonorrhoeae* infections in resource-rich areas precludes AMS testing because culture of the organism is not possible. We hope to highlight advances that lead to a better understanding of AMR in *N. gonorrhoeae*, as well as strategies being developed to advance effective treatment, including the development of point-of-care tests. **Keywords: antimicrobial resistance; *Neisseria gonorrhoeae*; antimicrobial susceptibility**

Guest Editors

Prof. Dr. Jo-Anne R. Dillon

Department of Biochemistry, Microbiology and Immunology, College of Medicine, c/o 120 Veterinary Road, Saskatoon, SK S7N 5E3, Canada

Dr. Sidharath Dev Thakur

Department of Veterinary Public Health and Epidemiology, DGCN College of Veterinary and Animal Sciences, Himachal Pradesh Agricultural University, Palampur 176062, Himcahal Pradesh, India

Deadline for manuscript submissions

closed (31 May 2021)

Antibiotics

an Open Access Journal by MDPI

Impact Factor 4.6
CiteScore 8.7
Indexed in PubMed

mdpi.com/si/29517

Antibiotics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
antibiotics@mdpi.com

mdpi.com/journal/antibiotics

Antibiotics

an Open Access Journal by MDPI

Impact Factor 4.6
CiteScore 8.7
Indexed in PubMed

mdpi.com/journal/antibiotics

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 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

Prof. Dr. Nicholas Dixon
School of Chemistry and Molecular Bioscience, University of Wollongong, Wollongong, NSW 2522, Australia

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, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Infectious Diseases) / CiteScore - Q1 (General Pharmacology, Toxicology and Pharmaceutics)

MDPI