



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

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### Message from the Guest Editors

Dear Colleagues,

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





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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.

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