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Molecular Mechanisms of Antibiotic Resistance in *Staphylococcus aureus*

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Deadline for manuscript submissions:
closed (1 October 2021)

Message from the Guest Editors

With a post-antibiotic era fast approaching, the rapid rise of AMR has now become one of the greatest threats to human health. *Staphylococcus aureus* is particularly concerning as it has both an arsenal of virulence factors as well as the ability to acquire resistance to most antibiotics.

Elucidating the molecular mechanisms behind these complex resistance phenotypes is crucial for novel therapeutic strategies that can circumvent AMR development. Application of new technology such as next-generation sequencing and cryo-eletron microscopy also provides valuable insights into AMR. In this Special Issue we seek manuscript submissions that further our undertanding of the molecular mechanisms of resistance in staphylococci. Submissions addressing resistance to non-pharmaceutical treatments such as phage therapy are also welcomed.

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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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