

Special Issue

Multidrug Resistance in Bacteria and New Therapeutic Options

Message from the Guest Editors

Antimicrobial resistance presents a critical threat to public health and a great challenge to clinicians treating patients in intensive care units. Clinicians often do not have any other therapeutic option, and have to rely on antibiotic combinations in order to treat the patient. In the last few years, new antibiotics have been licenced for the treatment of infections due to CRE, CRAB and CRPA, including ceftolozan/tazobactam (CTA) ceftazidime/avibactam (CZA), imipenem/cilastatin/relebactam (IMR) and cefiderocol, as well as eravacycline, which is efficient against MRSA and VRE. The majority of these antibiotics exert good activity against KPC- and OXA-48-producing Enterobacterales and CRPA, but with the exception of cefiderocol, do not exhibit any activity against metallo-beta-lactamase-producing organisms or CRAB. Thus, the scope of this Special Issue is mostly focused on the in vitro and in vivo activity of the novel compounds for the treatment of infections associated with CRE, CRPA and CRAB.

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Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

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