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How Stress and Antibiotic Exposure Affect Bacterial Intra- and Inter-species Competition

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Deadline for manuscript
submissions:

closed (30 April 2021)

Message from the Guest Editors

Dear Colleagues,

This Special Issue will focus on the impact of stress and sub-MIC antibiotic exposure on bacterial competition.

To survive, bacteria have to be able to withstand abiotic stresses, such as changes in osmotic pressure, pH, and temperature, and biotic stresses, such as predators. However, bacteria rarely live in isolation. They share and compete for nutrients with other bacteria and also eukaryotic organisms, such as fungi. Even within a single species, the emergence of social cheaters from within a population has been described.

We, therefore, invite you to submit an original research article or a review in the area of intra- and inter-species competition, with a particular focus on the influence of stress on these interactions. Topics of interest include, but are not limited to: gut microbial competition; the impact of exposure to sub-inhibitory levels of antibiotics on bacterial virulence; and the resistance to stress of environmental bacterial consortia.



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Special issue



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Message from the Editor-in-Chief

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