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Mechanisms of Microbial Adaptation to Low pH

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Deadline for manuscript submissions:

closed (30 September 2020)

Message from the Guest Editors

Dear Colleagues,

With this Special Issue, we aim to collect high-quality research articles describing the genomic, transcriptomic, sensing, and metabolic landscape of the microbial responses to low pH with a view to understanding their functional significance and bridging to potential applications gathered from the covered knowledge. We wish to cover all aspects of the molecular events from sensing to responding to low pH stress, and also to cover descriptions of genes in different organisms that may have specific functions at low pH. Adaptation is therefore meant both in terms of the short-term response, and also in the description of how evolution has enabled microorganisms to be resilient to acid stress. This is in line with the objectives of the COST Action “EuroMicroph” (<https://euromicroph.eu>), which is committed to aiding the understanding of the details of how model and non-model micro-organisms detect and respond to low pH.



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Special Issue



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Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised.

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