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Host-Bacterial Associations in Marine Organisms

Guest Editors:

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Deadline for manuscript
submissions:

closed (1 May 2019)

Message from the Guest Editors

Marine environments cover 90% of the earth's biosphere, representing half of the primary production. Most of our knowledge about host-bacterial associations, however, is derived from organism living in terrestrial environments. Due to fundamental differences in trophic interactions, environmental conditions, and dispersal barriers, knowledge about terrestrial host-bacterial associations cannot be directly transferred to marine systems. This particularly relates dispersal and tropic levels. There are few dispersal barriers in marine environment, with the potential of global dispersal. The marine biomass is also heavily shifted towards consumers, rather than producers as in terrestrial environments. Furthermore, marine ecosystems have more tropic levels than terrestrial systems. These issues influence how microorganisms associate differently with hosts in marine – as compared to in terrestrial environments.

The focus of this special issue will be to collect the current knowledge on mechanisms for host-bacterial associations in marine organisms. Papers related to all macroscopic marine organisms are welcome as well as impact of host-bacterial associations in aquaculture.



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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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