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Evolutionary Genetics of Microbial Symbiosis

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Deadline for manuscript
submissions:

closed (15 June 2020)

Message from the Guest Editors

Dear Colleagues,

Symbiosis currently underpins the success of some of the most important ecosystems in nature. Microbial symbioses, in particular, are now seen as intrinsically embedded in all multicellular organisms, where they can contribute to phenotypic diversity across biological levels of organization.

In this Special Issue, we invite reviews, prospectives, and research papers that contribute to our understanding of the evolutionary impact of microbial symbioses. Specifically, we would like to target the following: the genetic factors shaping spatial and temporal dynamics in host–microbial communities; the role of microbial symbiosis in organismal adaptation and evolution; the concept of genomic individuality in symbiotic systems; the genetic bases of the symbiotic–host and symbiont–symbiont interaction; the phylogenomic and genomic (co)evolution of symbionts and hosts; the modes of transmission, acquisition, and association of microbe–host systems; and new methodologies and approaches to disentangle the genetic interchange among symbionts.



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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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