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Population Genetics and Evolution of Marine Invertebrates

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Message from the Guest Editor

Understanding the mechanisms behind genetic diversity distribution is one of the many goals of the population genetics field. Investigation of geographical barriers, the role of bionomic traits and local adaptation to determine the spatial patterns of population genetic variability has been especially challenging in marine invertebrate. Approaches such as phylogeography and seascape genetics integrate physical oceanography, spatial statistics, bionomics and genetic diversity, among others, to quantify the landscape framework effect on gene flow and estimate the connectivity among populations and historical demography. This Special Issue will assemble articles on population-level component diversity under the title "Population Genetics and Evolution of Marine Invertebrates". Articles are expected to cover a broad range of marine invertebrate species living in all types of marine ecosystems.

This Special Issue of *Genes* aims to address a range of relevant topics in marine population genetics such as the genetic diversity and evolutionary biology of marine populations, as well the relationships between population genetic diversity and geographical and environmental composition.



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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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