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Frontiers in Fish Gut and Environmental Microbiomics

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Message from the Guest Editor

Ecological succession has been a central theme in ecology for more than 120 years. However, the mechanism underlying gut microbiota succession in aquatic animals remains elusive, especially at a relatively long-term scale (e.g., over host development). Although many studies indicated that both ecological and evolutionary forces could affect the succession of gut microbiota in terrestrial animals, much less is known about that in aquatic fish gut ecosystems. Fish encompass nearly one-half of the vertebrate diversity and are considered the most successful vertebrates evolved on Earth. Their successful evolution may not be possible without the help of gut microbiota. Fish, in turn, provide gut microorganisms with appropriate habitats and necessary nutrients and protect the gut microbiota from adverse disturbances (e.g., pathogen invasion)[...]

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Special Issue



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Message from the Editor-in-Chief

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