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Gut Microbiota and Omega-3 Fatty Acids - Potential Targets for Ameliorating Gut Dysbiosis

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Message from the Guest Editor

Dear Colleagues,

Omega-3 polyunsaturated fatty acids (omega-3 PUFAs), which are essential fatty acids that humans should obtain from their diet, have potential benefits for human health. Dietary omega-3 PUFAs participate in regulating gut immunity and maintaining gut homeostasis, which are associated with the gut microbiota, fatty acid metabolism, and intestinal health. The disturbance of the gut microbiota composition, i.e., gut dysbiosis, is correlated with the etiology of chronic noncommunicable diseases, such as cardiovascular, metabolic, localized gastrointestinal diseases, or others. In this Special Issue, we focus on the interplay between omega-3 PUFAs, gut microbiota and the host to provide a perspective on the role of microbiota.

Prof. Dr. Yuichiro Yamashiro
Guest Editor



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Special Issue



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