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Gut microbiota mediated molecular events and therapy in liver diseases

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Abstract

Gut microbiota is a community of microorganisms that reside in the gastrointestinal tract. An increasing number of studies has demonstrated that the gut-liver axis plays a critical role in liver homeostasis. Dysbiosis of gut microbiota can cause liver diseases, including nonalcoholic fatty liver disease and alcoholic liver disease. Preclinical and clinical investigations have substantiated that the metabolites and other molecules

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Thus, some scholars speculate the mechanisms of the development of NAFLD caused by **H. pylori related-gut microbiota dysbiosis** are follows; **H. pylori** invasion into intestinal mucosa might increase gut permeability and gut microbiota disorder and then facilitate the passage of bacterial endotoxin (mainly LPS) via the portal vein to the liver, and promote inflammation response (Fukuda et al., 2001; Sumida ...

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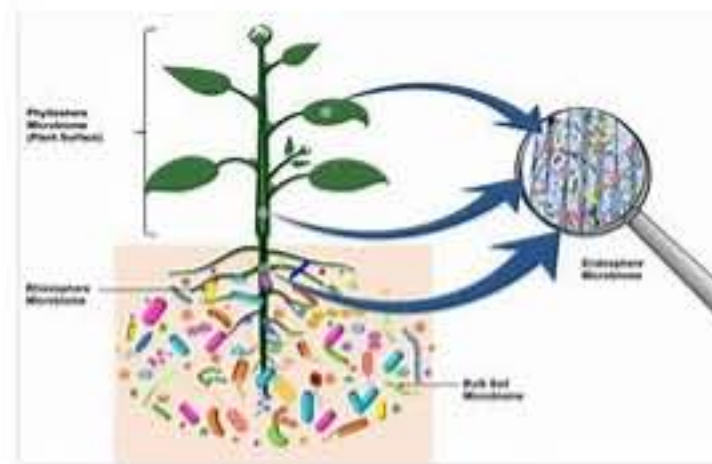
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Microbiota Decussata

Microbiota are "ecological communities of commensal, symbiotic and pathogenic microorganisms" found in and on all multicellular organisms studied to date from plants to animals. Microbiota includes bacteria, archaea, protists, fungi and viruses. Microbiota have been found to be crucial for immunologic, hormonal and metabolic homeostasis of thei... +

 Wikipedia

Scientific name: Microbiota decussata

Family: Taxodiaceae

Kingdom: Embryophyte

Order: Pinales

Biological rank: Genus · Species

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