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Name of Journal: *World Journal of Methodology*

Manuscript NO: 63302

Manuscript Type: MINIREVIEWS

Looking into the key bacterial proteins involved in gut dysbiosis

Xin-Yu Zeng, Ming Li

Abstract

Purpose of this review

The gastrointestinal microbiota plays a pivotal role in health and has been linked to many diseases. With the rapid accumulation of pyrosequencing data of the bacterial composition, the causal-effect relationship between specific dysbiosis features and

Looking into the key bacterial proteins involved in gut dysbiosis



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[Why Your Gut Bacteria Hold The Key to Your Health](https://michaelkummer.com/health/gut-health-guide)

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Apr 17, 2019 · The food you eat directly influences the array of microbes in your **gut**. Every type of **bacteria** thrives on certain kinds of food for fuel. Some like carbs, while others prefer fat, **protein** or fermented foods. If you want to reduce the number of a...



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2) Antibiotics, **gut** infections, low fiber intake, or stress can all deplete **gut** butyrate, lead to oxygen leakage **into** the **gut**, and promote **gut dysbiosis**. Avoiding antibiotics whenever possible, treating existing **gut** infections, eating plenty of fiber, and managing...

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Altered composition and function of intestinal microbiota ...

<https://www.nature.com/articles/s41398-019-0389-6>



Jan 29, 2019 · It is noted that Proteobacteria is a major of Gram-negative **bacteria** and includes a variety of opportunistic pathogens. Meanwhile, as microbial signature of **dysbiosis in gut ...**

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Author: Feitong Liu, Feitong Liu, Jie Li, F...

Publish Year: 2019

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Nov 14, 2019 · 2) Antibiotics, **gut** infections, low fiber intake, or stress can all deplete **gut** butyrate, lead to oxygen leakage **into** the **gut**, and promote **gut dysbiosis**. Avoiding antibiotics whenever possible, treating existing **gut** infections, eating plenty of fiber, and...
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Proteome-wide prediction of bacterial carbohydrate-binding ...

<https://www.nature.com/articles/s41522-021-00220-9>

Jun 15, 2021 · **Bacteria** use carbohydrate-binding **proteins** (CBPs), such as lectins and carbohydrate-binding modules (CBMs), to anchor to specific sugars on host surfaces. CBPs in the **gut** ...

People also ask

- Why are healthy gut bacteria and probiotics so important? ▼
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- Which is a microbial signature of dysbiosis? ▼
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The gut microbiome and microbial translocation in multiple ...

<https://www.sciencedirect.com/science/article/pii/S152166161630643X>

Oct 01, 2017 · In other words, **dysbiosis**, defined here as the loss of **key** microbiota health-promoting