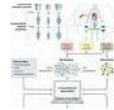


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<https://www.nature.com/articles/s41575-019-0258-z>



Feb 19, 2020 · Gut microbiota-derived metabolites are key molecular mediators between the microbiota and host. Several untargeted studies have demonstrated ...

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Publish Year: 2020

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Dec 03, 2020 · Gut microbiota-derived metabolite trimethylamine N-oxide (TMAO) potentially increases the risk of obesity in adults: an exploratory systematic review and dose-response meta-analysis. *Obes Rev* 2020 ; 21 : e12993 .

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Author: Allison Agus, Karine Clément, Harry Sokol

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<https://gut.bmj.com/content/gutjnl/early/2020/12/02/gutjnl-2020-323071.full.pdf>

Dec 02, 2020 · classes of microbiota-derived metabolites, notably bile acids, short-chain fatty acids, branched-chain amino acids, trimethylamine N-oxide, tryptophan and indole derivatives, have been implicated in the pathogenesis of metabolic disorders. This review aims to define the key classes of microbiota-derived metabolites that are altered

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Cited by: 14 Author: Allison Agus, Karine Clément, Harry Sokol

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Gut microbiota-derived metabolites as central regulators ...

<https://gut.bmj.com/content/70/6/1174>

Jun 01, 2021 Gut microbiota-derived metabolite trimethylamine N-oxide (TMAO) potentially increases the risk of obesity in adults: an exploratory systematic review and dose-response meta-analysis. *Obes Rev* 2020; 21: e12999.

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<https://www.nature.com/articles/s41423-021-00661-4>

Mar 11, 2021 Trimethylamine N-oxide. Trimethylamine (TMA) is a gut microbiota metabolite derived from carnitine, choline, or choline-containing compounds in the diet. 54 The formation of ...

Cited by: 2 Author: Wenjing Yang, Yingzi Cong

Publish Year: 2021

Gut Microbiota-Derived Metabolites in the Development of ...

<https://www.hindawi.com/journals/cjldmm/2021/6658674>

Abstract

Introduction

Synthesis of Short-Chain Fatty A...

Conclusion

Gut microbiota is increasingly recognized as a metabolic organ essential for human health. Compelling evidences show a variety set of links between diets and gut microbial homeostasis. Changes in gut microbial flora would probably contribute to the development of certain diseases such as diabetes, heart disease, allergy, and psychiatric diseases. In addition to the composition of gut microbiota, the metabolites derived from gut microbiota have emerged as a pivotal regulator in diseases development. ...

See more on hindawi.com

Cited by: 1 Author: Guangyu Shen, Jing Wu, Bang-Ce Ye, Nan Qi

Publish Year: 2021

Role of the intestinal microbiome and microbial-derived ...

<https://genomemedicine.biomedcentral.com/articles/...>

Jun 23, 2021 A major metabolic activity of the intestinal microbiome is the conversion of ingested dietary fiber and mucosal glycans into short-chain fatty acids (SCFAs), which include acetate, propionate, and butyrate [43].

Images of Gut microbiota-derived Metabolites As Key Mucosal Bar...

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Gut microbiota-mediated inflammation in obesity: a link ...

<https://www.nature.com/articles/s41575-018-0025-6>

May 29, 2018 Both the terms 'gut barrier function' and 'gut permeability' are often used interchangeably, although they refer to different key functional aspects of the mucosa 97. For example, gut ...

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Gut microbiota-derived metabolites as key mucosal barrier modulators in obesity

Wei Y *et al.* Microbial metabolites in obesity

Yan-Xia Wei, Kui-Yang Zheng, Yu-Gang Wang

Abstract

A significant breakthrough in the field of obesity research was the demonstration that an obese phenotype could be manipulated by modulating the gut microbiota. An important next step is to elucidate a human-relevant "map" of microbiota-host interactions that regulate the metabolic health of the host. An improved understanding of this crosstalk is a prerequisite for optimizing therapeutic strategies to combat obesity. Intestinal mucosal barrier dysfunction is an important contributor to metabolic diseases

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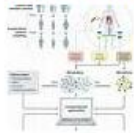
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Publish Year: 2021

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