

Special Issue

Nutritional Modulation of Gut Signals

Message from the Guest Editors

The gut produces and releases a myriad of endogenous and microbiome-derived factors. The gut also releases other factors that activate local afferent nerve terminals and enter the circulation, such as serotonin, dopamine, and NPY. Altogether, gut-derived factors regulate several aspects of physiology, including lipid and glucose metabolism, insulin secretion and sensitivity, brain energy balance, cardiovascular function, autonomic nervous system activity, and endocrine axes, such as the thyroid or the reproductive system.

However, although diet is known to play a pivotal role in inducing their release, the dietary factors responsible for stimulating specific gut hormones, neurohormones, and microbiome-derived factors have yet to be elucidated.

This Special Issue is dedicated to highlighting research aiming to disclose new dietary factors involved in such modulation and the implications for other physiological systems, particularly for regulating metabolic balance.

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About the Journal

Message from the Editorial Board

Nutrients is an on-line open access journal that was first published in 2009. *Nutrients* adheres to rigorous peer-review and editorial processes and publishes only high quality manuscripts that address important issues related to the impacts of nutrients on human health. The Impact Factor of *Nutrients* has risen rapidly since its establishment and it is now ranked in the first quartile of journals publishing in the field of nutrition and dietetics research.

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