



Nutritional Modulators of Gut Neuroendocrine Factors

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Message from the Guest Editors

The gut produces and releases a myriad of humoral factors and neurotransmitters including gut hormones. The gut also releases other factors that activate local afferent nerve terminals and enter the circulation, such as serotonin, dopamine, and NPY. Altogether, gut hormones and other neuroendocrine 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 like the thyroid or the reproductive system. However, although the diet is known to have a pivotal role in inducing their release, the dietary factors responsible for stimulating specific gut hormones and neuroendocrine factors are still unknown. 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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