



Serotonin Network and Energy Metabolism

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Message from the Guest Editor

Serotonin (5-HT) is not only a neurotransmitter but also an endocrine hormone secreted by the gut and peripheral organs. Central and peripheral 5-HT systems contribute to the regulation of energy metabolism. Central 5-HT interacts with neuropeptides or other neurotransmitters, and orchestrates appetite and energy metabolism. In addition, peripheral 5-HT interacts with a variety of metabolic organs including liver, adipose tissues, pancreas and muscle, leading to alterations of hormones and energy metabolism. Nutrients could alter the 5-HT signals in the central nervous system and peripheral organs.

This Special Issue provides new insights into the 5-HT network and energy metabolism, which includes the network between nutrients and 5-HT synthesis, the network between 5-HT and other hormones, the network between 5-HT and metabolic signals, and the network between peripheral 5-HT and central molecules involved in energy homeostasis. Original papers and reviews are all welcome.





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Message from the Editor-in-Chief

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