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Appetite and Satiety Control-Gut Mechanisms

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Deadline for manuscript submissions:

closed (15 January 2021)

Message from the Guest Editors

With the continued rise in the prevalence of obesity and its comorbidities, type 2 diabetes, and cardiovascular and hepatic disease, and the recognition that therapeutic options for both prevention and management are suboptimal, an improved understanding of the mechanisms that regulate appetite and energy intake is of pivotal importance.

Appetite and energy intake are modulated by a diverse range of factors. These include physiological mechanisms, such as acute changes in the release of gut hormones, slowing of gastric emptying, and elevations in circulating levels of metabolites, the physicochemical properties of food, and environmental influences.

This Special Issue will collate recent high-quality research in the field of appetite regulation, focussing on the investigation of gut-related mechanisms, including nutrient sensing, gut hormones, gastrointestinal motility, gut-brain communication, and roles of the vagus, diet, and the microbiome. Both original research articles and reviews spanning clinical and preclinical work are welcome.



mdpi.com/si/45787

Special Issue



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Journal Rank: JCR - Q1 (*Nutrition & Dietetics*) / CiteScore - Q1 (*Nutrition and Dietetics*)

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