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Appetite and Satiety Control-Gut Mechanisms

Guest Editors:

Prof. Dr. Christine Feinle-Bisset

Centre of Research Excellence in Translating Nutritional Science to Good Health, Adelaide Medical School, The University of Adelaide, Adelaide, Australia

Prof. Dr. Michael Horowitz

1. Centre of Research Excellence in Translating Nutritional Science to Good Health, Adelaide Medical School, The University of Adelaide, Adelaide, Australia
2. Endocrine and Metabolic Unit, Royal Adelaide Hospital, Adelaide, Australia

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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.



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Prof. Dr. Lluís Serra-Majem

1. Centro de Investigación Biomédica en Red Fisiopatología de la Obesidad y la Nutrición (CIBEROBN), Institute of Health Carlos III, 28029 Madrid, Spain
2. Research Institute of Biomedical and Health Sciences (IUIBS), University of Las Palmas de Gran Canaria, 35001 Las Palmas, Spain
3. Preventive Medicine Service, Centro Hospitalario Universitario Insular Materno Infantil (CHUIMI), Canarian Health Service, 35016 Las Palmas, Spain

Prof. Dr. Maria Luz Fernandez

Department of Nutritional Sciences, University of Connecticut, Storrs, CT 06269, USA

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Contact Us

Nutrients Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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