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## Appetite, Eating Behaviors and Obesity

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Deadline for manuscript  
submissions:

**closed (25 May 2022)**

### Message from the Guest Editor

The regulation of food intake is becoming an increasingly important global issue due to the significant and continual rise in obesity. There are limited treatments and efficacy for reducing appetite and food intake to reduce weight. The influence of dietary nutrients along with the products of bacterial fermentation as key factors in stimulating and regulating peripheral neural targets suggests a significant link between the enteric nervous system, the autonomic nervous system, and the hypothalamic centres of appetite regulation. The neurohormonal and cellular mechanisms arising in the gut in response to the luminal environment, leading to communication with intrinsic and extrinsic neuronal innervation, are fundamental pathways in appetite and eating behaviours. Indeed, the influence of diet and microbial fermentation products on food choices are clearly evident, following, for example, Roux-en-Y gastric bypass and alterations to the gut microbiome.

Our goal is to provide the latest research and opinions on the pathways regulating appetite and food choices into their treatment of obesity.



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**Special** *Issue*



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