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Gut Microbiota and Cognitive Function

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Deadline for manuscript
submissions:

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Message from the Guest Editors

The gut and the brain are intimately connected via the so-called gut-brain axis, which involves several bidirectional communication routes via autonomic, immune, endocrine and metabolic pathways. Moreover, based on an extensive body of research in the field of microbiome gut-brain axis in animal models, but also in human research, we are aware that even simple changes in our diet can have long-lasting effects on the gut microbiome and the brain, and mental health and well-being, and that these effects are particularly pertinent or even irreversible during development, when behavioural mechanisms and brain structures are established.

For this special issue, we would like to invite contributions that investigate specific sections of the microbiome gut brain-axis. In addition, we would like to invite original research that focuses developmental changes in gut microbiome and microbiome gut-brain axis across the life-span. Finally, we would like to invite the submission of intervention research papers that target the gut microbiome and the microbiome gut brain-axis to enhance cognitive functioning and well-being using nutrition interventions.



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Special Issue



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Message from the Editorial Board

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