

Special Issue

Gut Microbiota and Cognitive Function

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.

Guest Editors

Dr. Kathrin Cohen Kadosh

School of Psychology, University of Surrey, Guildford GU2 7XH, UK

Dr. Krzysztof Czaja

Department of Biomedical Science, Ross University School of Veterinary Medicine, P.O. Box 334, Basseterre, St. Kitts, West Indies

Deadline for manuscript submissions

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Nutrients
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
nutrients@mdpi.com

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Message from the Editorial Board

Nutrients is an on-line open access journal that was first published in 2009. *Nutrients* adheres to rigorous peer-review and editorial processes and publishes only high quality manuscripts that address important issues related to the impacts of nutrients on human health. The Impact Factor of *Nutrients* has risen rapidly since its establishment and it is now ranked in the first quartile of journals publishing in the field of nutrition and dietetics research.

Editors-in-Chief

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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