

Special Issue

The Relationship between Physical Activity, Food Intake and Metabolic Diseases

Message from the Guest Editor

Metabolic diseases are any of the diseases or disorders that disrupt normal metabolism, the process of converting food to energy on a cellular level. These diseases include obesity, diabetes, liver diseases, some cancers, and are the leading cause of death in both the developed and developing world. Epidemiologic, animal, clinical and metabolic studies demonstrate the independent roles and possible synergistic/additive effects of physical activity and nutrition in the prevention and treatment of these diseases. The objective of this Special Issue is to bring together multidisciplinary scientists who are exploring new frontiers in either the complex relationships between the different components of physical activity, food intake and metabolic health outcomes, including the underlying mechanisms (e.g., inter-organ cross-talk communications), or the development and application of new techniques to advance our understanding of the causes, prevention and treatment of metabolic diseases.

Guest Editor

Dr. Audrey Bergouignan

1. French National Center for Scientific Research (CNRS), Pluridisciplinary Institute Hubert Curien (IPHC), University of Strasbourg UMR7178, 67087 Strasbourg, France
2. Anschutz Health and Wellness Center, University of Colorado, Aurora, CO 80045, USA

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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 (UIBS), 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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