nutrients

an Open Access Journal by MDPI

IMPACT FACTOR 5.0

Indexed in: PubMed

CITESCORE 9.1

Effects of Dietary Patterns and Exercise on Exerkine/Endocrine Responses

Guest Editor:

Dr. Pieter De Lange
Dipartimento di Scienze e Tecnologie Ambientali, Biologiche e Farmaceutiche, Università Degli Studi Della Campania "Luigi Vanvitelli", Via Vivaldi 43, 81130 Caserta, Italy

Deadline for manuscript submissions:
closed (5 June 2024)

Message from the Guest Editor

Dear Colleagues,

In recent years, a multitude of factors (referred to as "exerkines") has emerged that link the physiological response of multiple tissues to mobility and nutrition, through endocrine, paracrine, and/or autocrine pathways. Interestingly, in response to exercise or dietary interventions, these factors may be produced in tissues that deviate from those originally discovered and thought to be the main production site (e.g., brain-derived neurotrophic factor (BDNF), being produced in skeletal muscle in response to exercise or energy deprivation). Another factor, thyroid hormone (T3), is increasingly produced locally (muscle) but not centrally (thyroid) in response to exercise. One entity that modulates metabolic responses by stimulating exerkine synthesis is the microbiome, which should be considered an additional organ of the body. This Special Issue aims to focus on the emerging roles of "exerkines", including hormones, as well as nutritional lipids and amino acids, crucial for maintenance of the body's physiological constitution, in order to adequately

respond to the ever-increasing variety of challenges it is facing.

nutrients

IMPACT FACTOR 5.0 | Indexed in: PubMed | CITESCORE 9.1

an Open Access Journal by MDPI

Editors-in-Chief

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, PubAg, AGRIS, and other databases.
Journal Rank: JCR - Q1 (Nutrition and Dietetics) / CiteScore - Q1 (Nutrition and Dietetics)

Contact Us

Nutrients Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/nutrients
nutrients@mdpi.com
𝕏@Nutrients_MDPI