

Special Issue

Genes and Gene–Diet Interactions in the Dietary Management of Type 2 Diabetes and Prediabetic Conditions

Message from the Guest Editors

Less is known about the interaction between dietary components and genetic variants that are involved in the increased risk of type 2 diabetes. Nutrigenetic studies examining gene–diet interactions in prediabetic and type 2 diabetic individuals are commonly based on former observational or intervention studies. In these studies, the putative impact of genetic markers has been examined in post-hoc/secondary analyses. Results show that responses in glucose and lipid metabolism or even type 2 diabetes risk may be different depending on genetic background. Nutrigenetic studies examining the impact of key dietary components in preselected genetic groups in humans have been less common due to the demanding study design. In a way, these studies form a golden standard when it comes to nutrigenetics. Ultimately, examining in dietary studies the genetic impact on relevant clinical end points in prediabetes and type 2 diabetes may lead to more personalized dietary advice providing genetic markers which substantially modify dietary responses.

Herewith, we encourage the researchers to submit relevant manuscripts to this Special Issue of *Nutrients*.

Guest Editors

Prof. Dr. Matti Uusitupa

Institute of Public Health and Clinical Nutrition, University of Eastern Finland, 70211 Kuopio, Finland

Dr. Ursula Schwab

School of Medicine, Institute of Public Health and Clinical Nutrition, University of Eastern Finland, 70211 Kuopio, Finland

Deadline for manuscript submissions

closed (25 October 2022)



Nutrients

an Open Access Journal
by MDPI

Impact Factor 5.0
CiteScore 9.1
Indexed in PubMed



mdpi.com/si/118173

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

[mdpi.com/journal/
nutrients](https://mdpi.com/journal/nutrients)





Nutrients

an Open Access Journal
by MDPI

Impact Factor 5.0
CiteScore 9.1
Indexed in PubMed



[mdpi.com/journal/
nutrients](https://mdpi.com/journal/nutrients)



About the Journal

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

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)