



nutrients



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Understanding Variation in Responses to Nutrients/Diet: Implications for Obesity

Guest Editors:

Dr. Saroja Voruganti

Department of Nutrition and
Nutrition Research Institute,
University of North Carolina at
Chapel Hill, Kannapolis, NC
28081, USA

Dr. M. Elizabeth Tejero

Instituto Nacional de Medicina
Genomica, Mexico City 14600,
Mexico

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Message from the Guest Editors

Genetic variation in humans has been shaped by diet and food availability, among other environmental factors. It is also recognized that variation in responses to diet is influenced by genetic variation as well as the microbiome and epigenetics. One area of variation that is acknowledged as important but still understudied in nutrition is the inherent differences in individual responses to diet and their effect on the risk for chronic diseases such as obesity. The increasing prevalence of obesity has been a cause of concern. Understanding inter-individuality in dietary responses and physiological adaptations to weight loss and/or weight changes, and the genetic, microbiome, or epigenetic influences on them, can provide a better understanding of the pathophysiology of obesity and take us a step closer to developing effective personalized nutritional plans.

Original research articles and reviews (systematic reviews, critical reviews, and meta-analyses) are welcome.



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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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Contact Us

Nutrients Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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