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## Gene-Nutrient Interactions and Precision Nutrition in Human Health

Guest Editor:

**Prof. Dr. A. Catharine Ross**

Department of Nutrition, Institute  
for Advancing Health through  
Agriculture, Texas A&M  
University, College Station, TX  
77843, USA

Deadline for manuscript  
submissions:

**closed (20 September 2022)**

### Message from the Guest Editor

Dear Colleagues,

This Special Issue aims to promote a broad and comprehensive understanding of nutrient–gene interactions and their effects to the new field of precision nutrition. It is now well established that a sound understanding of gene–nutrient interactions is fundamental to precision nutrition—we must understand the interactions of nutrients with genes and the ways in which genetic makeup affects nutrient usage if we are to provide accurate and well-tailored nutritional advice at the individual and population levels. Some genes are intrinsically involved in gene–nutrient interactions because the products of these genes are directly responsible for nutrient uptake, transport, metabolism, or function. Other genes are quantitatively regulated by nutrients at the levels of transcription, translation, epigenetic modification, and by other mechanism, all of which may be affected by genomic variation. We welcome manuscripts on all aspects of how the genes themselves, genetic patterns, and nutrients interact at the basic cellular and physiological levels, and how they serve as determinants of individual and population health.



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# Special Issue



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2. Research Institute of  
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(IUIBS), University of Las Palmas  
de Gran Canaria, 35001 Las  
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3. Preventive Medicine Service,  
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### **Prof. Dr. Maria Luz Fernandez**

Department of Nutritional  
Sciences, University of  
Connecticut, Storrs, CT 06269,  
USA

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*Nutrients* Editorial Office  
MDPI, St. Alban-Anlage 66  
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