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## Vitamin D Receptor in Human Health and Disease

Guest Editor:

**Dr. Jose M. Valdivielso**

Vascular and Renal Translational  
Research Group, Institut de  
Recerca Biomèdica de Lleida  
IRBLleida, 25198 Lleida, Spain

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submissions:

**closed (12 February 2023)**

### Message from the Guest Editor

Dear Colleagues,

Vitamin D is a seco-steroid hormone that has long been known for its important role in regulating body levels of calcium and phosphorus and in mineralization of bone. In recent decades, a number of basic and clinical studies have pointed to the important role that vitamin D plays in various physiological and pathological processes throughout the body. For instance, vitamin D has been involved in the regulation of vascular smooth muscle cell proliferation and calcification, in the modulation of the renin–angiotensin system and in cardiovascular health. There are also some studies showing that 1,25(OH)<sub>2</sub>D<sub>3</sub> affects several major endocrine processes, such as TRH/TSH action and pancreatic insulin secretion with subsequent regulation of glucose homeostasis, and likewise regulates key hepatic genes affecting lipid metabolism. Therefore, vitamin D can be considered an essential nutrient affecting many pathways of mammalian homeostasis. This Special Issue invites original research and review papers on the role of vitamin D in health and disease.



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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  
Palmas, Spain  
3. Preventive Medicine Service,  
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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, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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