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Zinc in Health and Disease

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Message from the Guest Editors

Dear Colleagues,

Zinc contributes to the proper functioning of numerous enzymes, the structural integrity of cellular components, and regulation of gene expression. Zinc is widely distributed in foods, and its bioavailability is affected by other dietary constituents. Regulation of zinc metabolism is achieved through a balance of absorption and excretion and involves adaptive mechanisms. Zinc ions influence a number of signal transduction pathways, including insulin signaling, and regulate leptin secretion from adipose tissue, potentially linking cellular zinc metabolism to apoptosis, insulin resistance and dyslipidemia. The aim of this focus issue is to explore zinc bioavailability, biomarkers of zinc status, and the relationships between zinc intake and chronic disease.

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Message from the Editorial Board

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