



CoA in Health and Disease

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

CoA and its thioester derivatives are crucial components of numerous biosynthetic and degradative pathways of cellular metabolism, post-translational modifications of proteins, and the regulation of gene expression. Abnormal biosynthesis of CoA/CoA derivatives are associated with numerous pathologies. This Special Issue of IJMS will showcase selected novel research articles and critical reviews covering the multiple roles of CoA and its derivatives on extracellular and intracellular signaling functions in physiology and pathology. Topics of interest to this Special Issue include but are not limited to:

- CoA synthesis and degradation;
- CoA transport and mitochondria;
- Extracellular functions of CoA/CoA thioesters;
- CoA/CoA thioesters as intracellular signaling molecules;
- Physiological and pathological changes in cellular CoA concentrations;
- Interconversion between CoA and its thioester derivatives in health and disease;
- The role of nutrients, hormones, and other factors in the regulation of CoA levels in cells;
- Acyl-CoA metabolism;
- Association of CoA/acyl-CoA with fatty acid metabolism.





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Editor-in-Chief

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Message from the Editor-in-Chief

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