

Special Issue

CoA in Health and Disease

Message from the Guest Editor

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.

Guest Editor

Dr. Pawel Dobrzyn

Laboratory of Molecular Medical Biochemistry, Nencki Institute of Experimental Biology of Polish Academy of Sciences, 02-093 Warsaw, Poland

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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About the Journal

Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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