

Special Issue

Molecular Research on Carbohydrate Metabolism

Message from the Guest Editors

In cell, tissue, organ, and individual sides, monosaccharide (glucose) is considered the basic unit and main nutrient resource for maintaining human physiological functions and metabolism. Carbohydrate metabolic reprogramming and its related enzyme activity abnormalities are regarded as the key factors related to chronic diseases, inflammation, and even carcinogenesis. These changes include glycolysis, tricarboxylic acid (TCA) cycle, mitochondrial function, pentose phosphate pathway (PPP), and gluconeogenesis. Our goal is to show the enzyme activity, transporters, metabolites, and gene expression among them and indicate their prognostic value, probes, modulators, and therapeutic targets. We encourage the publication of original research articles and comments that cover all aspects of glycolytic enzymes. Contributions to this Special Issue will provide new insights into the mechanisms and functions of carbohydrate metabolism, deepen our understanding of their biological role in health and disease, and reveal novel aspects of therapeutic opportunities.

Guest Editors

Prof. Dr. Cheorl-Ho Kim

1. Department of Biological Sciences, College of Science, Sungkyunkwan University, Seoburo 2066, Suwon 16419, Republic of Korea

2. Samsung Advanced Institute of Health Science and Technology (SAIHST), Sungkyunkwan University, Seoul 06351, Republic of Korea

Dr. Yu-Chan Chang

Department of Biomedicine Imaging and Radiological Science, National Yang Ming Chiao Tung University, Taipei 112, Taiwan

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4052 Basel, Switzerland
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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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