

Special Issue

Disorders of Alcohol Metabolism in the Occurrence and Development of Cancer

Message from the Guest Editors

Alcohol metabolism plays a crucial role in the occurrence and development of cancer. Ethanol, the primary ingredient in alcoholic beverages, undergoes metabolism in the body, resulting in various intermediates and byproducts that can have carcinogenic effects. The two main enzymes involved in alcohol metabolism are **alcohol dehydrogenase (ADH)** and **aldehyde dehydrogenase (ALDH)**. Disorders in alcohol metabolism, particularly those leading to the accumulation of acetaldehyde and oxidative stress, play a significant role in the development of various cancers. Chronic alcohol consumption and the resulting acetaldehyde exposure are linked to several types of cancer like **esophageal cancer, head and neck cancers, liver cancer or breast cancer**. In this Special Issue, we welcome original research and literature reviews discussing various aspects of alcohol metabolism disorders in relation to tumorigenesis to summarize and enlarge our understanding of the meaning of alcohol consumption in the occurrence and development of cancer diseases.

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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.

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