

Special Issue

Mechanisms of Cancer Development in Diabetes

Message from the Guest Editor

Cancer remains one of the leading causes of death and has a high global prevalence. According to published studies, the risk and mortality rate of cancer has been found to be significantly increased in patients with diabetes and obesity. The mechanisms underlying this increase have been investigated by many researchers, and inflammation, endocrine effects, hyperglycemia, insulin resistance, and hyperinsulinemia associated with diabetes and obesity have been proposed. Metformin, which is produced from French lilac, is an oral biguanide and has been prescribed to over 120 million patients with diabetes or polycystic ovary syndrome all over the world. Interesting data on metformin have been reported, and this medicine has been found to exert protective effects against the promotion or incidence of cancers. In this Special Issue, updates in our understanding of the molecular mechanisms of these factors in cancers in diabetes patients will be reviewed and discussed in the context of the possibility of overcoming cancer in the near future.

Guest Editor

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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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