

Special Issue

Molecular Metabolic Regulation in Diabetes

Message from the Guest Editors

Diabetes is a complex disease characterized by elevation in plasma glucose which is caused by impaired insulin secretion, insulin resistance or a combination of both. Diabetes is already a global epidemic whose extraordinary global burden, as estimated by the International Diabetes Federation (IDF) in 2017, was 425 million adults aged 20–79 years with diabetes, representing 8.8% of the global population. However, the underlying molecular basis and the complications are still not fully understood. Thus, there is a pressing need to elucidate these mechanisms whose identification may lead to the discovery of new therapies and to the reduction of complications and mortality related to diabetes. This Special Issue will focus on reviews and original data manuscripts that concern (1) molecular mechanisms of diabetes development including insulin resistance and Beta-cell dysfunction; (2) studies on molecular mechanisms related to carbohydrate and lipid metabolism; (3) pathophysiology of diabetes complications; (4) genetics of diabetes; and (5) molecular targets for new therapeutics for diabetes.

Guest Editors

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Deadline for manuscript submissions

closed (29 February 2020)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/30772

*International Journal of
Molecular Sciences*
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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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