



Molecular Metabolic Regulation in Diabetes

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Deadline for manuscript
submissions:

closed (29 February 2020)

Message from the Guest Editors

Dear Colleagues,

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.

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Message from the Editor-in-Chief

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