non-coding RNA

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Non-Coding RNA and Diabetes

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Deadline for manuscript submissions:
closed (30 September 2018)

Message from the Guest Editors

Diabetes mellitus is a collection of disorders associated with abnormal glucose homeostasis, pancreatic β-cell death and accelerated rates of micro- and macrovascular complications that increase morbidity and mortality. Growing evidence implicates microRNAs (miRNAs) and long non-coding RNAs (lncRNAs) in the etiology of diabetes and related renal and retinal microvascular complications. Small ncRNAs including miRNAs and piwi-interacting RNAs have been associated with disease progression and β-cell function. Hundreds of novel islet-specific lncRNAs have been identified and a few associated with β-cell failure, insulin secretion and increased β-cell apoptosis. There is a huge potential for ncRNAs to serve as therapeutic targets for drug development and diagnostic markers for clinical applications in the management of diabetes.

We invite experts in the field of diabetes to submit original research, methods, and review manuscripts on the latest advances in the role of ncRNAs in relation to Type 1 and Type 2 diabetes and related complications.

For further reading, please visit the Special Issue website:
http://www.mdpi.com/journal/ncrna/special_issues/diabetes

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Editor-in-Chief

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Message from the Editor-in-Chief

This field finally has a dedicated journal where its broad community can communicate and exchange its latest findings in one centralized place. This field was built stone by stone from the many scientific contributions from extremely diverse horizons, studying gene silencing in plants, position effect variegation in drosophila or quelling in fungi. This field has achieved maturity, but a lot remains to be discovered! Our aim is to publish manuscripts from all horizons that will have a high impact on the development of the field. Let's have fun and wish *Non-Coding RNA* a long and rewarding life!

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