



Journal of Diabetes Research

Special Issue on
**Interorgan Cross Talk in Molecular Pathology of
Diabetes**

CALL FOR PAPERS

Elucidating the pathology of diabetes at the molecular level is important for developing innovative, evidence-based treatments. Recent studies show interorgan cross talk that can play critical roles in various aspects of cellular dysfunction in diabetes. Advances in biotechnology such as RNA-seq or targeted genetic engineering methods of these studies offer a large number of novel molecules spanning the entire genome, which may result in the identification of therapeutic targets or biomarkers for diabetes.

We invite investigators to contribute original research articles as well as review articles that describe novel interorgan cross talk critical to cellular metabolism or endocrine function. We are particularly interested in manuscripts reporting interorgan or intercellular communication implicated in diabetic complications such as nephropathy and atherosclerosis with the aim of identifying therapeutic targets. A unique feature of this special issue is that it is not limited to a particular cell type or organ. The editorial team is composed of specialists from a variety of diabetes research fields with expertise in the biology of islets, adipocytes, muscle, and vessels as well as the kidneys and the liver.

Potential topics include, but are not limited to:

- ▶ Interorgan cross talk such as muscle and fat, kidney and heart, or brain and islets involved in pathology of diabetes
- ▶ Intercellular cross talk such as endothelial-to-mesenchyme, endothelial-to-podocyte, adipocyte-to-macrophage, adipocyte-to- β -cell, or cardiomyocyte-to-neuron
- ▶ Mediators of interorgan cross talk such as circulating factors or neural networks implicated in cellular dysfunction of diabetic complication
- ▶ Cross talk between gut microbiota and the pathophysiology of type 2 diabetes
- ▶ Mechanisms of secondary complication in diabetes revealed by novel strategies such as genome-wide screening
- ▶ Disruption of metabolic homeostasis of interorgan cross talk in diabetes

Authors can submit their manuscripts via the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/jdr/nisp/>.

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