



Journal of Diabetes Research

Special Issue on  
**Advances in Immunogenetic and Immunotherapy of  
Type 1 Diabetes**

# CALL FOR PAPERS

Type 1 diabetes (T1D), also known as insulin-dependent diabetes mellitus (IDDM), is a multifactorial autoimmune disease resulting from the destruction of insulin-producing beta cells by autoreactive T-cells. Although the genetic and environmental factors that trigger and impact the progression of T1D are extensively investigated, the identification of novel genes and molecular mechanisms involved in autoimmune T1D, which can help in the prevention and management of prediabetic patients, is still an unmet need. T1D is a debilitating chronic disease for which there is currently no preventive treatment or therapeutic approach and the only approved treatment is insulin replacement. Most of the immunointerventions aiming to halt  $\beta$ -cell destruction and/or preserve the remaining  $\beta$ -cell mass after clinical diagnosis of T1D have failed to meet their primary end-point. Despite increasing effort in identifying T1D-associated autoantigens, many antigen-specific immunoregulatory interventions have failed when evaluated in their ability to prevent or treat T1D.

In this special issue, we are accepting original research and review articles highlighting the recent advances in immunogenetics and immunotherapy of T1D.

Potential topics include, but are not limited to:

- ▶ Advances in understanding of T1D immunogenomics and immunoproteomics
- ▶ Identification of novel genes and proteins involved in the pathogenesis of T1D
- ▶ Molecular mechanisms in T1D-associated autoimmunity
- ▶ Gene therapy for T1D
- ▶ Stem cells and regulatory T-cell therapy to treat T1D
- ▶ Novel vaccination approaches for T1D

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

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