

Special Issue on  
**Advances in Managing Inflammation in Type 2 Diabetes  
and its Complications**

# CALL FOR PAPERS

Twenty-five years ago, Hotamisligil and colleagues discovered the role of TNF in the development of insulin resistance in obese subjects. Currently, we know that adipose tissue and other metabolic tissues are the playground of many different immune cell types and that the balance between these different cell types determines the low grade inflammation that is often associated with obesity, leading to type 2 diabetes and its associated complications, such as cardiovascular diseases and nonalcoholic fatty liver disease. Despite this long-standing knowledge, clinically targeting the inflammatory component of obesity in humans has thus far been unsuccessful. Our understanding of immune cell heterogeneity, plasticity, and ontogeny is still limited, especially in humans.

This special issue aims to bring together research to further our understanding of the accumulation and function of immune cells in metabolic tissues (including, but not limited to, adipose tissue and liver) and their contribution to insulin resistance and other complications such as nonalcoholic fatty liver disease and cardiovascular disease. We especially welcome studies that identify new players in chronic metabolic inflammation and studies that provide translational understanding of previous experimental evidence in animals. Moreover, we hope to attract review articles that describe the current state of the art, specifically focusing on the current knowledge gaps in both experimental and clinical attempts to target the inflammatory component of type 2 diabetes.

Potential topics include but are not limited to the following:

- ▶ Adipose tissue inflammation and insulin resistance
- ▶ Nonalcoholic fatty liver disease and its progression towards inflammation
- ▶ The role of inflammation on microvascular complications of diabetes
- ▶ The role of inflammation in other diabetes-associated cardiovascular diseases
- ▶ Understanding of immune cell plasticity and ontogeny in adipose tissue and liver
- ▶ New targets for the inflammatory component of type 2 diabetes and its complications
- ▶ Impact of inflammation on the pancreas
- ▶ Translational studies

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/jdr/naor/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

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