



Journal of Diabetes Research

Special Issue on
**Molecular Investigation of Chronic Kidney Disease
in Diabetes**

CALL FOR PAPERS

Diabetes has rapidly become a health emergency in both developed and developing countries. Diabetic nephropathy (DN) is one of the several complications afflicting the diabetic patient. If untreated or misdiagnosed, DN can lead to kidney failure and determine a major worsening of the patient's life quality, as well as leading to enormous costs for the healthcare system. Importantly, DN is also positively associated with heart failure, although the predisposing factors are still unclear.

The biochemical and hemodynamic features of DN are well described; still the molecular determinants of disease susceptibility and progression remain unknown. In addition, the lack of accurate biomarkers of disease does not allow fully characterizing the appropriate class of kidney damage in the diabetic patient, and today it is still not possible to bypass the need for kidney biopsy in order to choose the most appropriate therapeutic regimen.

Emerging evidence points to epigenetics as the molecular mechanism underlying diabetes and DN initiation; notably, epigenetics is the result of the countless interactions between the genetic background and the environment.

For this special issue dedicated to the molecular characteristics of chronic kidney disease in people with diabetes, we invite researchers and specialist investigators to contribute high quality original research and review articles reporting on the risk factors of this diabetes-related complication through a molecular profiling approach.

Potential topics include, but are not limited to:

- ▶ Markers of genetic susceptibility
- ▶ Proteins, miRNAs, and lncRNAs characterization in tissues and biofluids
- ▶ Epigenetics and chromatin remodeling
- ▶ Posttranslational modifications
- ▶ Markers of inflammation in disease progression
- ▶ Markers of cardiac risk
- ▶ Histopathological features and cytoskeletal rearrangements

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

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