

Special Issue

Proteomics in Diabetes: From Mechanisms to Biomarkers

Message from the Guest Editor

Type 2 diabetes is a complex and heterogeneous disease, with many key mechanisms that remain unclear. Proteomics offers unique insights into the dynamic protein networks underlying insulin resistance, beta-cell dysfunction, and systemic metabolic dysregulation. For this Special Issue of *Proteomes*, we welcome original research articles and reviews that explore how proteomic technologies can advance our understanding of diabetes—from unraveling disease mechanisms to identifying clinically relevant biomarkers. We are particularly interested in studies that use advanced mass spectrometry, spatial proteomics, or integrative multi-omics approaches to investigate protein expression, modifications, interactions, or localization in tissues relevant to diabetes. Submissions from both clinical and preclinical research are welcome, with a focus on human studies, but animal models may also be relevant. We also encourage contributions that focus on proteomic signatures of diabetes complications, therapeutic targets, or the development of diagnostic or prognostic tools.

Guest Editor

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Deadline for manuscript submissions

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About the Journal

Message from the Editorial Board

Proteomes is an international, peer-reviewed, open access journal that was first published in 2013 by MDPI. *Proteomes* addresses all aspects of proteome analysis with a special focus on the quantification and characterisation of the proteome at the level of proteoforms. We encourage submission of articles that accurately quantify and characterise the proteome, as well as new and updated methods and technologies that enhance the accurate quantification and characterisation of the proteome and thereby provide evidence directly facilitating the understanding of biological mechanisms. Articles emphasising a multi/transdisciplinary approach combining different omics techniques are welcomed.

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