

Special Issue

Molecular and Cellular Research in Diabetes and Metabolic Diseases

Message from the Guest Editor

Type 2 diabetes (T2D) affects approximately 38 million people in the US, with over 98 million having prediabetes. Additionally, the aging population is at risk for developing (pre)T2D.

Skeletal muscle insulin resistance contributes to islet β -cell dysfunction in obesity-related T2D, but different populations exhibit varying degrees of insulin secretory capacity and IR.

Insulin secretion dysfunction and peripheral insulin resistance are key features of metabolic imbalance in prediabetes. Therefore, this Special Issue of *Biomedicines* focusing on molecular and cellular research in diabetes and metabolic diseases aims to address the gaps in knowledge to better understand diabetes. Our goal in publishing this issue is to promote research and clinical interest in this field, with the hope of understanding the signaling and exocytosis mechanisms that can be modulated to prevent or reverse prediabetes.

Guest Editor

Dr. Miwon Ahn

Department of Molecular and Cellular Endocrinology, Arthur Riggs Diabetes & Metabolism Research Institute, City of Hope Beckman Research Institute, 1500 E. Duarte Rd, Duarte, CA 91010, USA

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Biomedicines
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
biomedicines@mdpi.com

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Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

Editor-in-Chief

Prof. Dr. Felipe Fregni

1. Neuromodulation Center and Center for Clinical Research Learning, Spaulding Rehabilitation Hospital and Massachusetts General Hospital, Harvard Medical School, Boston, MA 02114, USA
2. Department of Epidemiology, Harvard T.H. Chan School of Public Health, Boston, MA 02115, USA

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