

Special Issue

Distinct Roles of Beta-Cell Mass and Function During Diabetes Onset and Remission

Message from the Guest Editor

Both type 1 and type 2 diabetes are characterized by a deficit of beta cell mass. Although type 2 diabetes is characterized by insulin resistance and beta cell dysfunction, recent studies have suggested that diabetes never develops unless beta cell function fails to compensate insulin resistance. Also, while bariatric surgery is now expected to be one of the most potent therapy to achieve remission of type 2 diabetes, a critical role of beta cell function has been suggested. Nonetheless, precise mechanisms of beta cell dysfunction in diabetes remains fully elucidated, and better understanding of distinct as well as simultaneous roles of beta cell mass and function is crucial. In this special issue, we welcome you to submit any types of article regarding beta cell mass and/or function during diabetes onset and remission. Topics include, but are not limited to

- both basic and clinical studies;
- etiology; islet biology; beta and alpha cell function
- incretin and other hormones
- regenerative medicine
- biomarkers; genetic studies
- bariatric surgery
- microbes; lifestyle and pharmacological interventions

Guest Editor

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Deadline for manuscript submissions

closed (1 May 2019)



Journal of Clinical Medicine

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 5.2
Indexed in PubMed



mdpi.com/si/16599

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There has been an explosion of gene and target based research and therapeutics in the multitude of fields that compose clinical medicine. The *Journal of Clinical Medicine's* (JCM) staff and editorial board are dedicated to providing cutting edge, timely, and peer-reviewed articles covering the diverse subspecialties of clinical medicine. The journal publishes concise, innovative, and exciting research articles as well as clinically significant articles and reviews that are pertinent to the myriad of disciplines within medicine. The articles published are relevant to both primary care physicians and specialists. The journal's full-texts are archived in PubMed Central and indexed in PubMed. Please consider submitting your manuscripts for publication to our journal and check us out on-line!

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