Special Issue

Gestational Diabetes: Challenges and Cutting-Edge Research

Message from the Guest Editors

Gestational Diabetes represents a serious health issue with a global prevalence of between 1% and 14%. Several factors play crucial role such as lactogenic hormone secreted from placenta, which desensitizes insulin and increases glucose levels during the final trimester; cortisone; estrogen and other hormones; maternal age; and genetic predisposition. When gestational diabetes is not recognized or not properly managed, it leads to an increased risk of certain conditions affecting both mother and newborn, such as pre-eclampsia, polyhydramnios, and fetal macrosomia.

This Special Issue will examine recent challenges in the diagnosis and management of gestational diabetes. In particular, we would appreciate original articles and literature reviews investigating novel potential pathophysiological mechanisms underlying gestational diabetes or advanced therapeutic approaches. Furthermore, studies exploring new molecular pathways with potential therapeutic applications or studies using Al for monitoring and treating pregnant women are welcome.

Guest Editors

Dr. Athanasios N. Tsartsalis

Department of Endocrinology Diabetes and Metabolism, Naval Hospital of Athens, Deinokratous 70, 11521 Athens, Greece

Dr. George I. Lambrou

Choremeio Research Laboratory, First Department of Pediatrics, National and Kapodistrian University of Athens, Thivon & Levadeias 8, Goudi, 11527 Athens, Greece

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Journal of Personalized Medicine Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 jpm@mdpi.com

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About the Journal

Message from the Editor-in-Chief

Journal of Personalized Medicine is one of the few journals that covers the diverse areas involved in the field, including research at basic, translational, and clinical levels. It focuses on "omics"-level studies that seek to define the basis of interindividual variation in susceptibility for a disease, its prognosis or definition of clinical

subsets, and response to therapy (pharmacogenomics). We are also interested in systems biology as it relates to interindividual variation, and research on new methodologies, informatics, and biostatistics, in the aforementioned areas.

Editor-in-Chief

Prof. Dr. Kenneth P.H. Pritzker

Department of Laboratory Medicine and Pathobiology, Department of Surgery, University of Toronto, 6 Queens Pk Crescent W.F, Toronto, ON M5S 3H2. Canada

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