



## Pathogenesis of Pregnancy-Related Complications

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### Message from the Guest Editor

Preeclampsia, HELLP syndrome, fetal growth restriction, gestational diabetes mellitus, preterm birth (preterm prelabor rupture of membranes and spontaneous preterm labor) and invasive placenta are major complications responsible for maternal and perinatal morbidity and mortality. Elucidation of the molecular mechanisms related to the initiation and onset of severe pregnancy-related complications enables the identification of potential biomarkers for early stratification of at-risk patients. Additionally, pregnancy-related complications induce long-term metabolic and vascular abnormalities that might increase the overall risk of metabolic, cardiovascular, cerebrovascular, kidney, and other diseases later in life in mothers and their offspring. This Special Issue aims to provide an overview of the latest research on the molecular and cellular mechanisms associated with pregnancy-related complications, as well as the contribution of pregnancy-related complications to the later development of various diseases. This will include underlying mechanisms, diagnostics/prognostics and treatment strategies associated with pregnancy-related complications, and will be of interest to scientists and clinicians working in this fastly expanding area.

Prof. Dr. Ilona Hromadnikova

*Guest Editor*

