

Special Issue

Molecular Mechanisms of Pregnancy-Related Vascular Remodeling and Pregnancy Complications

Message from the Guest Editors

Normal pregnancy involves dramatic maternal and placental vascular remodeling and adaptations throughout pregnancy, and failure of these vascular changes contributes to the development of most pregnancy complications. Although defects in trophoblast function and placentation and the resulting vascular dysfunction have been implicated in the pathophysiology of pregnancy complications, the molecular underpinnings of such defects are poorly understood. The goal of this Special Issue is to publish high-quality manuscripts with particular emphasis on molecular understanding of the pathophysiology of pregnancy-related vascular adaptations and complications. We welcome reviews, new methods, short communications, and original articles covering all aspects of uterine and placental vascular development and remodeling, maternal vascular adaptations and dysfunctions (both during pregnancy and in the postpartum period), fetal and neonatal diseases associated with vascular complications of pregnancy, and clinical studies and experimental models addressing pregnancy-related vascular complications.

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