



Insights in Pregnancy Immunobiology and the Maternal–Placental–Fetal Interaction in Health and Disease

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Message from the Guest Editor

During pregnancy, maternal physiology undergoes profound changes to tolerate and nourish an antigenically foreign body for several months. Likewise, at the fetal–maternal interface, adaptations to pregnancy include the regulation of the immune-cell population as well as immunoendocrine activity by placenta and fetal membranes.

Supervised by Dr. Lorenza Díaz Nieto and assisted by Dr. Andrea Olmos-Ortiz, this Special Issue aims to include the latest research and state-of-the-art reviews on the maternal–placental–fetal interaction, both under physiological conditions as well as under infectious and inflammatory settings (e.g., obesity, hyperglycemia, preeclampsia, pregnancy-induced hypertension). This Issue will also include papers addressing the underlying mechanisms of how the maternal organism and the placenta cope with invading pathogens while avoiding detrimental immune responses against the fetus. In addition, manuscripts related to sex-specific differences in the fetal–placental response to complications of pregnancy and sexually dimorphic placental characteristics will also be considered.





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Message from the Editor-in-Chief

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