Special Issue

Effective Embryo Maternal Interaction Support Favorable Pregnancy Outcome

Message from the Guest Editors

Early pregnancy development evolving from structure to function is essential for favourable pregnancy outcomes. It covers several intercalating obligatory steps where each can be a binary outcome leading to progress vs. failure. Effective priming during the narrow implantation window is required for blastocyst implantation. Ensuing endometrial receptivity, combined with systemic maternal tolerance without immune suppression, permits embryogenesis to start. These are highly ordered obligatory events where deviations exert a significant negative impact, with ~20% loss rate or even more. Successfully completed embryogenesis reflects integrated functionality where the progress of foetal development is established. This is coupled with trophoblast vascularization, providing nutrients and oxygen through the placenta. Subsequently, the further loss rate is minimal due to the prior-established rigorous embryo-self and maternal quality control measures. An improved insight into the complexity of early pregnancy events will have a major positive impact in improving pregnancy outcomes.

Guest Editors

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Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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