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## Effective Embryo Maternal Interaction Support Favorable Pregnancy Outcome

Guest Editors:

**Dr. Eytan R. Barnea**

**Prof. Dr. Nicoletta Di Simone**

**Dr. Guarano Alice**

Deadline for manuscript  
submissions:

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### Message from the Guest Editors

Dear Colleagues,

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.

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Guest Editors



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**Special** Issue



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