



Nutrition and Gut Microbiome Composition during Pregnancy and Lactation

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Message from the Guest Editor

The role of the microbiome (gut, oral, and vaginal) in pregnancy and complications of pregnancy has become apparent over time. Outside pregnancy, it is very clear that dietary intake is a major determinant of the composition of the microbiome, especially the gut microbiota. However, this association between dietary intake and microbiome composition has not been as clearly established. In the post-partum period, appropriate dietary intake is critical for the establishment and maintenance of breastfeeding, and the microbiome of the mother may be a contributing factor. In this special issue, we focus on the interactions between microbiome composition and nutritional intake in pregnancy and lactation to establish the similarities and differences between these interactions in and outside pregnancy. We also want to explore whether complications of pregnancy such as gestational diabetes and hypertensive disorders of pregnancy alter the interactions between the microbiome and nutrition.





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