Temporal Association Between Gut Microbiota and Neurodevelopment in Healthy Infants

Studies suggest a potential influence of the gut microbiome on neurological development



However, the temporal association between gut microbiota and early neurodevelopment in healthy infants remains unknown



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The genus *Bacteroides* in the gut microbiome is positively associated with improved neurodevelopment during late infancy in a sex-specific manner

Adapted from peer-reviewed research article: Bacteroides-dominant gut microbiome of late infancy is associated with enhanced neurodevelopment Tamana *et al.* (2021) | *Gut Microbes* | 10.1080/19490976.2021.1930875



Greater effects

on male infants

Positive correlation

with higher cognitive

and language abilities



Enriched

sphingolipid

metabolism

