405 infants from the Canadian Healthy Infant Longitudinal Development cohort study

Neurodevelopmental outcomes (2 years) (Bayley Scale of Infant Development-III)

Fecal microbiota profiling (1 year) (16S rRNA gene sequencing)

Bacteroides species in the gut and associated sphingolipid synthesis influence neurodevelopmental outcomes during late infancy, particularly in male infants

Gut microbiota influences neurodevelopmental outcomes in a sex-dependent manner during late infancy