

What is the connection between mental health and the microbiomes of patients with multiple sclerosis?

- Issue: medication is not linked to mental health

What is the effect of vitamin D on EDSS (MS severity score)?

- Results online are contradictory
- How would we use 16S data?
- Microbiome eats vitamin D
- How do vitamin D associated microbes contribute to disease severity in Multiple Sclerosis?

To what extent does the oral microbiome affect physiology (alcohol dataset)?

- Rat dataset has mRNA data
- Has data on liver enzymes
- Look at the functionality of the microbiome?
- Reformatted Question?: Do humans and rats have similar microbiomes that break down the consumption of alcohol?

How does glucose affect lymphocyte counts in people with depression?

- Reformatted: How do microbiomes affect glucose affect in people with HIV and depression?

Chosen Question: How do vitamin D associated microbes contribute to disease severity in Multiple Sclerosis?

- Taxonomy or functional research