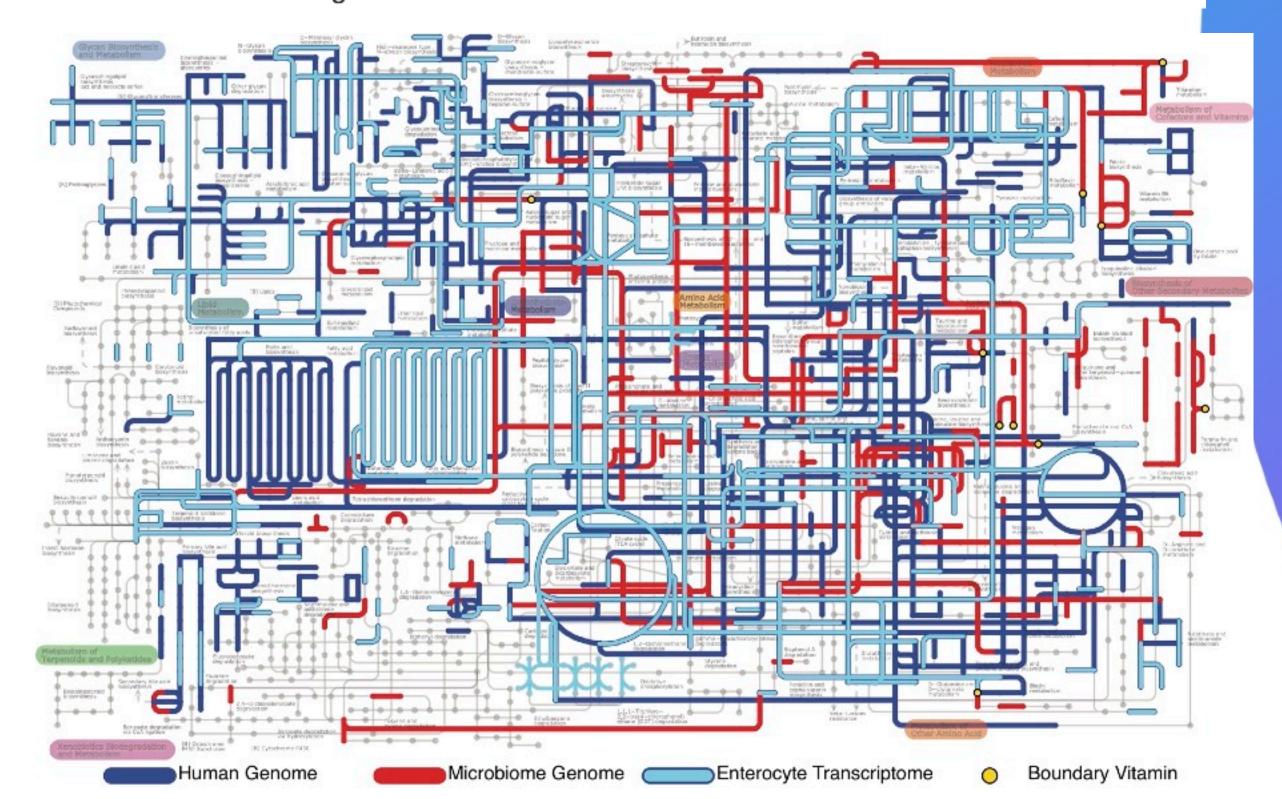


## O que o microbioma faz?



# A human gut microbial gene catalogue established by metagenomic sequencing

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- Potencial genético:
  - Produção de antibióticos
  - Vitaminas
  - Metabólitos secundários
- Se integra e complementa o potencial humano

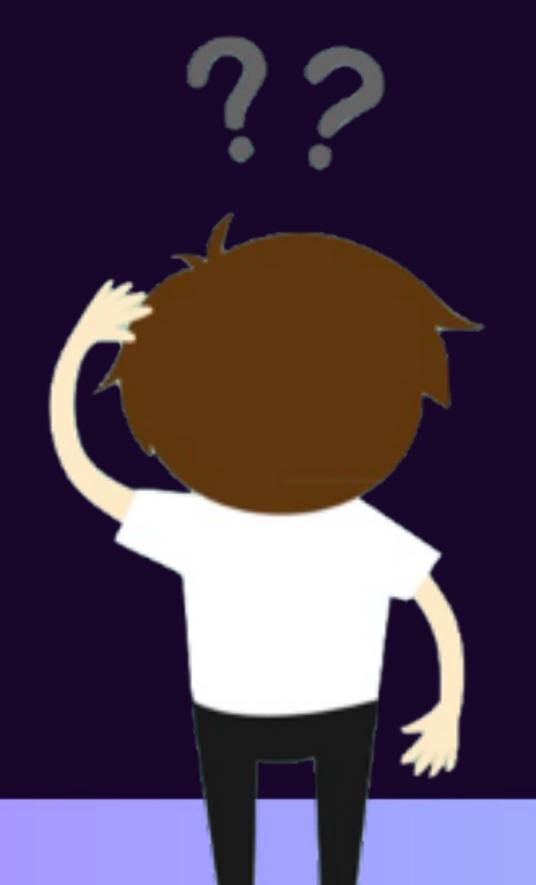


### Como estudar?



#### Metagenômica Shotgun

Potencial funcional +++
Variação populacional ++
Informação taxonômica +
Número de amostras +
Número de observações +



#### Gene marcador

Potencial funcional -Variação populacional -Informação taxonômica +++ Número de amostras +++ Número de observações +++