

# Proposal

- Data:
  - Twin study (281 samples, >5000 OTUs)
  - Predictions for age, ancestry, disease class, family
- Machine Learning – model
- Output:
  - Prediction
  - Visualize difference in microbiome composition based on age, ancestry, etc.
  - Phylogenetic trees
  - PCA (age, ancestry)
  - Interpreting the results
  - add interactive component (user point of view)

