# INTERPLAY BETWEEN GUT MICROBIOME AND IMMUNE SYSTEM

M. Knigge

Asst. Prof. Dr. S. Sanna

Asst. Prof. Dr. Y. Li

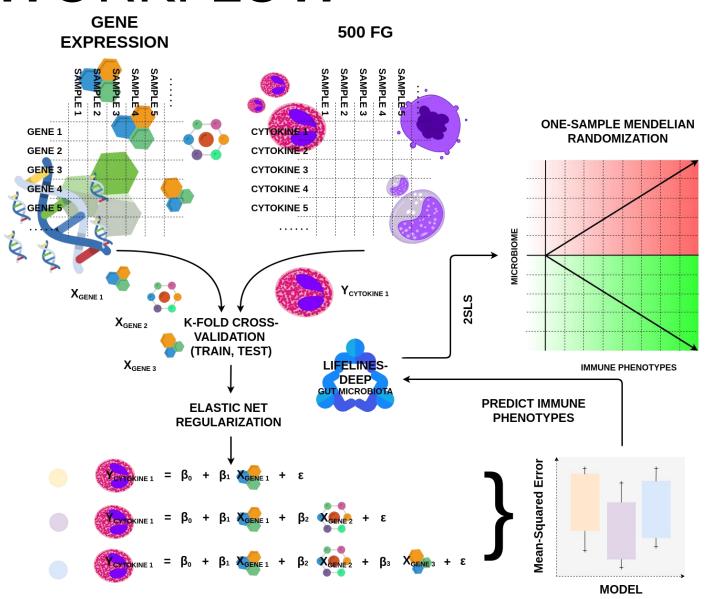




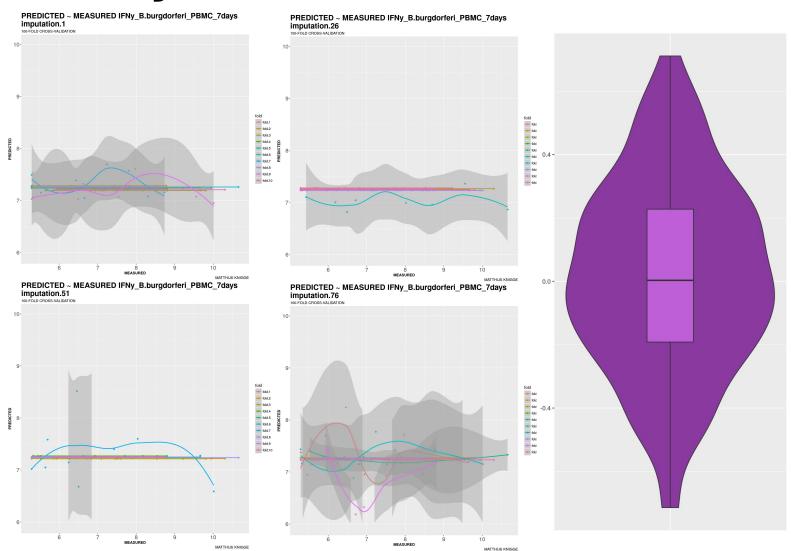
### PROJECT GOAL

The aim is to find causality links between microbiome composition / function and immune system with a statistical machine learning approach.

#### **WORKFLOW**



## IFNy B.burgdorferi PBMC 7days





## IFNy Bacteroides PBMC 7 Days

