Agenda

1. Research question: how can we narrow this down
   1. progressive MS (AGE + diagnosis)
      1. age
      2. Early life: breastfeeding (Y/N); type of delivery (V/C-s); allergy (Y/N & qualitative); vitamin D (Y/N)
      3. Smoking triggers with age (depression)
      4. T2D
      5. Treatments and disease progression
      6. Cities: lifespan vs. healthspan? (Vitamin D)
      7. Vitamin D: excessive UV exposure was found to be an MS factor
2. Analysis
   1. Last step: random forest; predictive model - core bacteria & metadata?
   2. Functional bacteria; diversity analysis
   3. How can we do an analysis that will be reflective of our research question?