Meeting agenda
1. Progress update - powerpoint for all current results
   a. Looking at literature to connect results

Aim1: no differences between the groups and overall diversity
   - Abundance and evenness - shannon
ISA: look at things that are unique to that condition
   - Look at the ones that has an index of 4 in young PMS
      - Evelyn said look at first 4 because most interesting
      - Can say data is representative of the microbiome

Aim2: no differences
Alpha diversity: Disease status may be driving the differences and not other variables such as smoking or non smoking
Beta diversity: small statistical differences for Jacca
Evelyn says good idea to do a pair-wise analysis
   - Do another test that may differentiate the clusters
   - Make sure the stats go into figure legend
Aim3: core microbiome analysis: evelyn wants a dot plot
   - Do the ones with "1"
   - Average the samples out so you can have 1 bar plot for all 8 samples

Predictive model: requires a significant difference in at least one of the diversity metrics ☹
   - Evelyn said go for it LOL
   - If not we have plenty to write about

2. Questions
   a. How can we highlight the statistical significant for Aim 2 beta
      i. What to do if we can't find a paper that supports results?
         - Look at similar papers that might have investigated similar groups that could backup why we found no differences
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   b. Further investigation in literature - expectation
      - Limitations: small sample size when data is binned into 8 groups

Action Items
1. Caro: Pair-wise test for Aim 2 Beta diversity. Then do literature search for significance. Manuscript outline
2. Poppy: Aldex (zoom meeting wednesday 10-11am)
3. All: Compile figures for selection next week
   a. Caro: figure slideshow
4. Maybe prepare microbe investigation?