

## Team 10 Meeting Minutes

Date: October 22, 2024

Present at meeting: Chris, Elijah, Poppy, Asha

Regrets: Caro, Burak

### From last week:

- Proposal submitted
  - Everyone was satisfied with the submission
  - Evelyn/another TA will have it marked by next week, so we will go over that in the meeting Oct 29th
  - There is an option to re-submit the proposal with revisions based on feedback, can receive up to 5 marks

### Moving forward:

- Working on Aims 1, 2, and 4, as Aim 3 requires outputs from 1 and 2
- **Allocation and summary of tasks:**
  - **Aim 1:** Look at Alpha and Beta diversity between 4 groups: healthy <55, healthy >55, pMS <55, pMS >55 to determine compositional changes across age groups
    - **Alpha diversity analysis and figures: Elijah**
    - **Beta diversity analysis and figures: Burak**
    - look at ALL metrics that you get from R (all alpha, beta weighted/unweighted, distance matrices, etc.)
  - **Aim 2:** same analysis as Aim 1, with the addition of smoking groups
    - **Alpha diversity analysis and figures: Poppy**
    - **Beta diversity analysis and figures: Caro**
    - Diversity and PCA plots to observe unique clustering for pMS/smoking groups
  - **Aim 4: Asha**
    - Start working on the skeleton of the code without the output from other aims
    - Core microbiome analysis of the groups that are present in Aim 3

### Deliverables for next week:

- Alpha/Beta analysis and figures for Aim 1 and 2, core microbiome analysis for Aim 4
- All figures should be put into a powerpoint, sent to Chris before or day of meeting