INDIVIDUAL DIARY: **MOUNIKA CHALLOORI**.

PROJECT: **HTA PROJECT 8 – PROTEIN IDENTIFICATION FOR Cryo-EM.**

DATE: **27-11-2017** – read the paper `**Structures of human mitochondrial ribosomes in native states of assembly`.**

[**https://www.ncbi.nlm.nih.gov/pubmed/28892042**](https://www.ncbi.nlm.nih.gov/pubmed/28892042)

DATE: **29-11-2017** - **FIRST group meeting** at scilife lab to discuss and plan about our project. General outline about the project, tools that are to be used in this project (**hardklör** for mass selection, **crux/tide** for database search and peptide/protein matching, **percolator** for improving matches and **MODa** to search for post translational modifications if any) were discussed briefly and the literature was collected about them. Divided the tools among ourselves to study but each of us must be aware of using all the tools. Finally, we had a draft of our project plan, description.

DATE**: 30-11-2017** – presented a short presentation about our project to our peers and teachers.

DATE: **1-12-2017 to 3-12-2017**: reading the papers about the software tools. Run online tutorial datasets.

<https://www.ncbi.nlm.nih.gov/pubmed/17580982>

<http://pubs.acs.org/doi/abs/10.1021/pr500741y>

<https://www.ncbi.nlm.nih.gov/pubmed/17952086>

<https://www.ncbi.nlm.nih.gov/pubmed/22186716>