

Discussed the idea of two component light sensing systems (TCS) specifically UirR/S and possible non-linear dynamic approaches to circuit output.

Started taxonomic unit summary spreadsheet and examined the 3D map researched yesterday. Further gathered information for the pentose phosphate pathway, the shikimate pathway and kill switches for the gene circuit. Organised this data into readable documents.

Discussed in detail which defines our on/off switch for the gene circuit i.e. kill switches. Looked at how expensive shinorine might be to overproduce in the cell. Looked at modelling aspects, non-linear dynamics of bacterial populations in particular, idea of toxin/antitoxin systems, restriction enzymes for biosafety.