

## **Gene Circuit**

**Participants: Caius Gibeily, Laurence Seeley**

Discussed gene circuit with what parts specifically need to be made more efficient. Looked at information regarding promoter strength, using strong promoters in E.coli and applying these at the start of the shnorine gene cluster upstream of APTG gene and in the intergenic regions between APTG and NRPS. Also looked at previous kill switches from iGEM teams and then to our own in order to refine our current system.

### **General Human Practice**

**Participants: Megan Fletcher, Poli Foteva, Isobel Guthrie, Yaxuan Kong, Soo Bynn Lee, Bradley McCallion, Anneleen de Ruiters, Caius Gibeily, Laurence Seeley**

Yaxuan and Poli discussed the Hawaii questionnaire questions further. Team talked about promotional video ideas and how to include ourselves by making letters to create the word 'Shinescreen'.

## **Modelling**

**Participants: Isobel Guthrie, Yaxuan Kong, Bradley McCallion, Poli Foteva, Caius Gibeily, Laurence Seeley**

Caius and Laurence compiled rates for different biological processes under simplified conditions for RNAP and ribosome using PoPs and RiPs.

Team had Maths-Bio tutorial.

For environmental model, Yaxuan and poli found half-life data for products and intermediates of sunscreen ingredients in the ocean.