

### **General Human Practice**

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

Brainstormed improvements on Shinescreen logo and promotional video animation. Finalised logo design decided at the general evening meeting. Discussed the promotional video animation further and decided to use videoscribe service to combine simple images created. Worked on promoting the meetup event and setting the zoom up with iGEM HQ.

## **Modelling**

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

Laurence and Caius derived functions for rates of mRNA synthesis and functions for enzymatic concentrations. Some queries to confirm technique of solving equations analytically and then try adding these to real-time data for genetic functions to combine with previous differential equations created.

Laurence and Caius created basic Machine Learning algorithm to derive optimal binding strength from pre-existing clone family (Anderson promoter catalogue). Build up training dataset to make applicable for non-constitutive promoters.

Found enzymatic data for DHQS enzyme.

Team discussed environmental modelling with James and Eleonora at the general iGEM meeting. Discussed how with our preliminary ideas we could make the model itself more efficient and ensure that it would inform work in phase II. Looked at our modelling aims and some environmental modelling of harmful chemicals.

## **Safety Form**

**Participants: Laurence Seeley**

Completed first draft of safety form with a few queries to ask at the general meeting later.