

**Gene Circuit**

**Participants: Caius Gibeily, Laurence Seeley**

Looked at the post-segregational kill switch mechanism for the gene circuit and issues with HGT and how to combat these by gene deletion.

## **General Human Practice**

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

Synbio forum meeting discussion – thought about including some sort of panel style event.

Social media meeting to discuss how best to improve awareness of our project and campaign in general. Set up LinkedIn account, ensured more activity on the instagram page. Thought about possible future social media events which we could upload for.

Continued to work on the ethical considerations forms.

Approached an Australian iGEM team for collaboration on the survey too and researched Hawaii community centres which could possibly spread the survey amongst the population.

Updated the logo design after feedback was received.

## **Modelling**

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

Discussed a linear regression model produced through R in terms of environmental model and tourist numbers; proposed fitting a non-linear, polynomial fit to account for earlier years. Model so far does not include COVID so will need to factor this in.

Looked over rates of bacterial growth to inform the macroscopic model.

Maths-Bio tutorial.

Met with Dr. Sfakianakas to discuss modelling help and arrange a recurring meeting with the rest of the modelling team.