

## Week 5

June 21 - June 25

### Wet Lab

- Sent out an email to Dr. Douglas Browning from the 2017 paper on TatExpress and Dr. Wali Karzai from the Stony Brook University Department of Biochemistry to ask on homologous recombination and chromosomal integration
- 6/25 Learned how to perform PCR/run gels
- Found a source for *Sphingomonas* (Agricultural Research Service Culture Collection, NRRL, Northern Regional Research Laboratory)
- Received most of our gBlocks, as well as some reagents from the supply center

### Dry Lab

- 6/26 Abhi and Michael got started on the wiki
- We were able to finalize a Michaelis-Menten curve
  - It takes at least a day for a moderately polluted lake to be cleared with  $10^9$  *E. coli* per mL (more numbers, code, and details in the link)
  - [https://deepnote.com/project/Michaelis-Menten-kinetics-QvNsU9M1RNyZkn28XWS\\_rA/%2Fnotebook.ipynb](https://deepnote.com/project/Michaelis-Menten-kinetics-QvNsU9M1RNyZkn28XWS_rA/%2Fnotebook.ipynb)

### Outreach/Fundraising

- Started emailing corporations to ask for sponsorship and donations
  - Discount from Addgene
  - Free reagents from Promega
  - Donation from Labwear (check pending)
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- 6/23 Took pictures of the iGEM team members