# *JUNE*

**Date: Wednesday, 6/27**

*Objective(s)*:

Plasmid extraction and PCR to amplify DNA fragments in preparation for plasmid construction.

*Procedure*:

1. Overnight cultures of DH5α bacteria carrying the relevant plasmids were spun down at 6400 rpm for 6 min. The supernatant was poured away.

2. The TOM15b MCS and PAL - 4CL PEaaa+5 backbones were purified from the cell pellet. Refer to the protocol '[Plasmid DNA Purification Using QIAprep Spin Miniprep Kit and a Microcentrifuge]'.

3. The concentration of the purified plasmids was measured using NanoDrop.

4. PCR was carried out to amplify enzymes

| *Sample* | *Concentration (ng/μL)* |
|---|---|
| MCS - OsPKS TOM15b | 120 |
| PAL - 4CL PEaaa+5 | 32 |