

Minutes of the 23rd iGEM meeting

19/08/2010

Participants: Rahul Akkineni, Habib Bukhari, Charanya Sampathkumar, Victor Gordeev, Sarah Mansour, Mareike Roth, Lucas Schirmer, Adithya Nagarakodige, Jonathan Tam

Supervisors: Annelie Oswald, Kaj Bernhardt, Andy Oates, Marko Storch

Organization:

1. Lucas and Annelie talked about the progress in the assay concerning GFP output against AHL concentrations
2. Kaj talked about some important measures to be taken into account while cloning and concerning PCR, purification, restriction digest and ligation.
3. Marko Storch provided us with a PCR protocol and gave a background about using Fermentas enzymes
4. Next meeting should take place on Thursday 6 PM

Wetlab work:

AHL Assay:

1. Several experiments have been done to measure AHL concentration against GFP at different times
2. It was found that GFP increased by increasing time, at the same AHL concentration
3. After a certain time, no major change in GFP was observed by changing AHL concentrations
4. It was found that GFP output peaked after 40 minutes and reached some sort of a plateau after a certain concentration of AHL
5. More experiments will be done using wide range of AHL concentrations

Red Team:

1. Several ligations were done, but the insert is yet to be confirmed
2. New plan was done taking into account the new ligation and digestion schemes suggested by Kaj, as well as trying out several other combinations