

Minutes of the 21th iGeM meeting 06/08/2010

Participants: Lucas Schirmer, Habib Bukhari, Svea Grieb, Victor Gordeev, Sarah Mansour, Adithya Nagarakodige, Mareike Roth, Charanya Sampathkumar and Rahul Akkineni.

Supervisors: Andy Oates, Markus, Annile Ostwald .

During the meeting the work carried out in past weeks and the progress were discussed.

1. All the part's transformation were done in duplicates from the starter kit. They were in the series based on the transformations.

1st transformation- A and B

2nd transformation-C and D

3rd transformation-E and F

2. There was problem with the transformation with few parts, The cultures were red .It was assumed to be due the problem with stop codon. Use of alternative stop codon was suggested.
3. Form the sequencing it was inferred that there few inconsistent sequences. The sequences for pigments were big (may be due to operons).
4. ACP will be purchased form sigma for tagging the proteins.
5. New parts or subpart will be built mainly for ribosome binding site with different combinations with LUXI,LUXR and LUXRp and stop codons.
6. Three parts for inverted and AIIA must be transformed.
7. Transformations were successful by electrophoration than chemical methods. Hence, we follow electrophoration for all our parts in future.

8. In the coming week all the primers will be tested, transformed parts will be assembled and checked by amplifying with PCR, concentration must be measured and also running the gel. All the protocols to be followed form the biobrick assembly, which are also in the dropbox.
9. In next three weeks, we must be ready with all the assembly of parts. In parallel, it was suggested to look into different the measurement system for correlating AHL concentration into the signal from the fluorescence. And also, finalize the best measurement system. Fix the AHL range for measurement (suggested 1-1000nM).
10. All the team members were expected to take the safety briefing at the earliest possible day.
11. All the three sub-groups were expected to maintain the lab book and protocol in a lucid and understandable manner. It is mandatory to update the notebook on the wiki time to time.

Next lab meeting will be 12 Aug ,Thursday 18:00, MPI-CBG.