iGEM report week 28/07–01/08

August 1, 2008

1 Wet Lab

All separate parts in plamsids were miniprepped and stored in the fridge. A couple of digests were made and can also be found in the fridge. See overview on the special wiki page (Notebook Freezer). There were some problems with XbaI, but these can be overcome by doing the restriction overnight.

There were also problems with ligation. Some causes could be:

- The concentration of digested DNA is not high enough.
- The ligation failes.
- The cells are not competent (enough) (cells were made competent in-house with the iGEM protocol). This will be checked with pUC transformation.

Phage transduction was completed, and seems to be correct (growth on Kanamycin plates). Confirmation will be provided with PCR.

Still no answer from Melbourne concerning part **BBa_M30109**.

2 Modeling

Model has been finished. Extra simulations (eg. to put on the wiki) have to be done. Mathematical analysis on the memory (to demonstrate bistable switch) has to be done.

Data analysis with data coming from the wet-lab will be performed once this data is available.

Cell division and heritage of memory will be modeled. Doing so, we will try to prove that

3 Wiki

The team project description is to be completed today (before people wake up in the US). The name of the project will be DR. COLI. The detailed description of all components is put on the wiki.