

Minutes of the 12th iGeM meeting 07/06/2010

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

Supervisors: Kaj Bernhardt, Johnson Madrid

1. Organisation:

1. Meeting with Stephan Grill at the MPI (Date not yet fixed)
2. Meeting with Prof. Petra Schwille (Date not yet fixed)
3. T-Shirts for the Biolympics, Habib and Lucas are designing group t-shirts.
4. Visa – Sarah briefed about the visa procedures.
5. Next meeting Scheduled on Monday 4th 18:30 at Biotec.

2. Project Ideas:

Habib, Jonathan, Rahul and Charanya updated their ideas.

2.1. Pop's and RiPS measurement- Habib and Jonathan

The new update includes characterizing promoters with Pops-measurement. Basically to tie together the rates of transcription, protein production and maturation by measuring GFP fluorescence as our output. The system can be coupled with many other systems to determine the "lifespan" of a protein from birth (transcription) to death (degradation). **RiPS (Ribosome per second)** idea will be extremely important. With RiPS, we can quantify the translation efficiency of mRNA species and with POP's the transcription. This eventually will be a tool which will tell us how many mRNA is synthesised and how many of them are translated into proteins.

2.2 Biofuel production- Rahul and Charanya

The background for the new idea was discussed with the literature review of most recent developments in this field of study. Both the presenters of new idea agreed to come up with the working model of the biofuel production by next week. Johnson suggested to go through the previous years igem teams projects and to build the new idea.

3. Biolympics

Mareike Roth was elected as the captain of the iGEM Biolympics team. The team name was chosen as **Igemolution** and the t-shirt colour was selected as green with white logo. Numbers of players for the different games are briefed. Mareike Roth as a captain of the team has to register the time before 15 June 2010 at MPI.