

Diary of XIONG Hongyu

2012.02.08

Lectures by Previous Team Members

2012.02.13

Brain Storming

2012.02.20

Directed Evolution Study

2012.02.26

DNA Origami Study & Presentation

2012.03.04

Vivid Protein Proposed

Modeling for Protein Dimerization Process Started

2012.03.11

Optogenetic Direction Determined

2012.03.17 Modeling for Protein Dimerization Process Finished

LexA-VVD Fusion Protein Proposed

Modeling for Protein-DNA Binding Process Started

2012.03.19

Phototaxis Demonstration Proposed

2012.03.22

Utilizing CheZ Expression in Phototaxis Proposed

LexA-VVD Fusion Protein Quantitative Mechanism Model Constructed

2012.04.02

Team-member Selection Test

3D Pattern Proposed

2012.04.15

Simulation on Fusion Protein Modeling Completed

Sensitivity Analysis on LexA-VVD Fusion Protein Completed

LexA408-VVD Fusion Protein Proposed (Orthogonality)

Mutation sites 74 and 135 proposed

2012.04.19

Modeling Test on Bio-orthogonality Completed;

2012.04.24

Turing Pattern based on Integrating Light System Proposed

2012.04.29

Experiment Training

2012.05.05

Human Practice---"Sowing Tomorrow Synthetic Biologists" Started

Pre-investigation on previous iGEM HS-Division and iGEM high school teams

2012.05.07

A Visit to the Second High School attached to Beijing Normal University (SHSBNU)

2012.05.10

Phototaxis Quantitative Mechanism Modeling Acquired

2012.05.21

A Premature Modeling for Light Turing Pattern System Proposed

2012.05.23 Project Review for Prof. Yang Yi

2012.06.20

Forming alliance with Beijing Teenager Science & Technology Club (BTSTC) and Propagating SB and iGEM to teachers of high schools in Beijing

2012.06.26

Project Review Presentation

2012.06.27:30

Started to design the circuit of Ring-Pattern System based on bio-luminescence

2012.07.01

Started to prepare for the lecture "Life as Machines---Rational Design for Artificial Biological Systems"

2012.07.03

Ring-Pattern circuit design Finished (Ron Wiess)

2012.07.05

Visit SHSBNU again for additional information and discussing the future guidance

2012.07.07

Modeling for the Ring-Pattern System

Part design for Ring-Pattern System

2012.07.10

Parameter Analyses for Ring-Pattern System

2012.07.12

Request for Part BBa-K395400 from iGEM Official

2012.07.13

Poster for PKU-UCSF Workshop Finished

2012.07.14

HP Lectures "Life as Machines --- Rational Design for Artificial Biological Systems"

2012.07.15:16

Analysing questionnaires and preparing for the subsequent affairs of HP project

2012.07.17

iGEM Official Part BBa_K395400 arrived

2012.07.18:24

Experiment Training

Plasid contained Part BBa_K395400 is prepared.

2012.07.22 Contacted ZJU Team for HP collaboration ("Sowing" in Hangzhou)

2012.07.25 PKU-UCSF Workshop

Preparation for Hangzhou Sowing project failed

2012.07.26 Guidance for 3 high school students with their first synthetic biology experiment
Science Director of Beijing No.4 High School came to visit us; we invited her to participate in the Workshop

2012.07.27:29

Visiting ZJU Team

2012.07.30

Started to write the text of Human Practice "Sowing Tomorrow Synthetic Biologists"

2012.08.01

Adding Caption for the Lecture video 2

2012.08.03

Text of Human Practice "Sowing Tomorrow Synthetic Biologists" Finished

2012.08.04

Caption for Lecture video 2 Finished

Mailed Peking 2011 Parts BBa_K598019 and BBa_K598020 to Team SJTU-BioX-Shanghai for them to incorporate in their "Membrane Workshop"

2012.08.05

Human Practice Wiki: First Page "Sowing Tomorrow Synthetic Biologists"

(First Page on Our Wiki)

2012.08.06

Started making the overview video of HP "Sowing"

2012.08.13

The overview video of HP "Sowing"--- 1st Draft

Human Practice Wiki: "Sowing Tomorrow Synthetic Biologists"---1st Draft (Without pictures)

2012.08.18

Human Practice "Historic iGEM Project Review" Yale2011 & Edingburg 2010

2012.08.20

The overview video of HP "Sowing"--- 2nd Draft

2012.08.23

Adding pictures for Human Practice Wiki: "Sowing Tomorrow Synthetic Biologists"

2012.08.24

Human Practice Wiki: "Sowing Tomorrow Synthetic Biologists"---2nd Draft

2012.08.27

Started to write the text of Human Practices "Outreach & Workshop"

2012.09.01

Text of Human Practices "Outreach & Workshop" Finished