**Diary of SUN Sibai** 2012.02.08:12 Lectures for Newbies by Previous Team Members 2012.02.13 **Brain Storming** 2012.03.04 Vivid Protein Proposed Protein ODE Modeling Started 2012.03.11 **Optogenetic Direction Determined** 2012.03.17 LexA & Vivid Fusion Protein Determined 2012.03.19 **Phototaxis Demostration Proposed** 2012.03.22 Utilizing CheZ Expression in Phototaxis Proposed LexA & Vivid Fusion Protein Quantitative Mechanism Modeling Constructed 2012.04.02 Team Test **3D** Pattern Proposed 2012.04.15 Simulation on Fusion Protein Modeling Completed Sensitivity Analysis on Fusion Protein Completed 2012.04.18 Stochastic Simulation on Fusion Protein Completed; 2012.04.24 Turing Pattern based on Integrating Light System Proposed 2012.04.25 Starting Learning HTML 4.0 2012.04.29:05.01 Experiment Guidance by Previous Team Members 2012.05.10 Phototaxis Quantitative Mechanism Modeling Acquired 2012.05.19 Hexagon Grid CPP-Library Constructed 2012.05.21 A Premature Modeling for Light Turing Pattern System Proposed 2012.05.27 Starting Learning XHTML 1.0 2012.06.25 Dynamic System Simulation Platform based on Hexagon Grid Constructed 2012.06.26 Starting Learning CSS 2012.06.27

Simulation on Phototaxis Accomplished 2012.06.28 Starting Preparing Poster for PKU-UCSF Exchange Workshop 2012.07.04 Naming LexA & Vivid Fusion Protein as Luminesensor 2012.07.05 Writing Phototaxis Section on Poster for PKU-UCSF Workshop 2012.07.06 Starting Learning Javascript 2012.07.07 Rendering some Pictures on Poster for PKU-UCSF Workshop 2012.07.13 Poster for PKU-UCSF Workshop Finished 2012.07.15 My First CSS Code Tested on Our Wiki 2012.07.16 Migaration based on Phototaxis Proposed 2012.07.17 Wiki Construction Started 2012.07.18 First Javascript Code Tested on Wiki (a Countdown Timer) 2012.07.20 **Slipping Timer Completed** 2012.07.22 Premature Menu & Navigator Constructed 2012.07.24 **Top Option Box Constructed** 2012.07.27:29 Visiting ZJU Team 2012.08.02 First Logo, Protein-style Chinese Knot 2012.08.03 Phototaxis Stochastic Simulation Started 2012.08.04 Phototaxis Stochastic Simulation Kernel Finished 2012.08.05 Human Practice Wiki Page First Page on Our Wiki First Video on Our Wiki 2012.08.06 Phototaxis Stochastic Simulation Graphics Finished 2012.08.07 Premature Wiki Banner Constructed 2012.08.08

Premature Wiki Main Menu Constructed 2012.08.09 Premature Wiki Submenu Constructed 2012.08.10 Phototaxis Stochastic Simulation Parameters Tuning 2012.08.13 Finished Wiki Page - Human Practice - Sowing Tomorrow Synthetic Biologists 2012.08.16:17 iGEM History Review - Data Gathering 2012.08.20 **Building Parallel Light Source** 2012.08.24 Achieved 9-square Background for Text Box 2012.08.25 Wiki Home Started, Pure White Lighting on Star Night see http://2012.igem.org/Team:Peking/Home for a view. the Developing Home Page is Depressed by an Advisor, so changing into Gallery Page. 2012.08.26 Constructing Figure - Illuminance Scale - Gathering Data 2012.08.27 Wiki Gallery Page Static Version Finished 2012.08.28 Finished Figure - Illuminance Scale - Finished Rendering 2012.08.29 Logo Finished, Neat Version 2012.08.30 Wiki Gallery Page Dynamic Version Finished