I wasn’t sure how much progress Jing made with comparing the ribosome density in the first and second halves. I decided to start by trying to make the graph while I waited for her to come in.

I did this, and when Jing came, we added a line a best fit and equation and R^2 value.

I also worked a bit with the dynamic circuits. It took me a while to understand the half-life portion but it makes sense now. Because of the form of the derivative of the half-life equation. I also think I understand how odeint works. If necessary I think I would be able to recreate it in java.

I practice by making a buffer, not, double not, and nor. They all seem to work as expected. I still need to make (~(a.b)) and ((~a).b) for added practice. I also want to try making an (a+b) and (a&b) I will need to speak with Bryan to see if there is a way of doing this with a cell. I think (a+b) would just be two activators, but I don’t think there is a simple way for &.

The long term goal for this project is to be able to go from a circuit representation to the dynamic representation.

After playing around with odeint, I think the key to making a circuit differential representation might require making a lot of lists. I will try to put some thought into this tonight and over the weekend.

I spent some time discussing how to make a program that would be able to go from a circuit to a dynamic representation with Tom. I will attempt to make part of it tonight.

After quite a few hours of work, I was able to get it functional. Tomorrow I will need to do some tests. I also need to make the method for choosing the graph symbols. (Make every combination of colors and markers in a list).