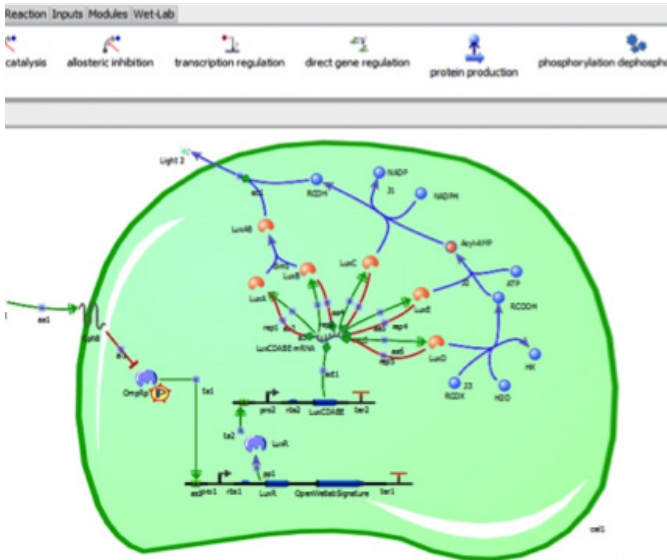




Tinkercell

SynBio on your computer



Biotechnology regards biological organisms as living machines. DNA is code, and cells are processors. As reading and writing of DNA has dramatically reduced in cost over the past few years, new tools have been developed to quickly design new DNA sequences.

Tinkercell is such a program. Open source and freely available. During the workshop we will design a genetic circuit that, once put into a cell, causes it to produce light. Tinkercell also allows us to model how much light we may expect.

For this workshop no prior knowledge of Synthetic Biology is required. Participants do need to bring their own computer.

Duration:

3 hours

Number of participants:

max 30

Subjects:

- Synthetic Biology
- Metabolomics
- Genetic pathways
- Gene regulation
- Tinkercell

All Open Wetlab workshops consist of an introduction into the subject and it's making, a concise biosafety training, the making itself, an optional artists presentation and a dialogue with the participants about the theme and background of the workshop.

More information can be obtained by contacting wetlab@waag.org and at waag.org/openwetlab

Booking: Open Wetlab Workshops can be booked by contacting diensten@waag.org