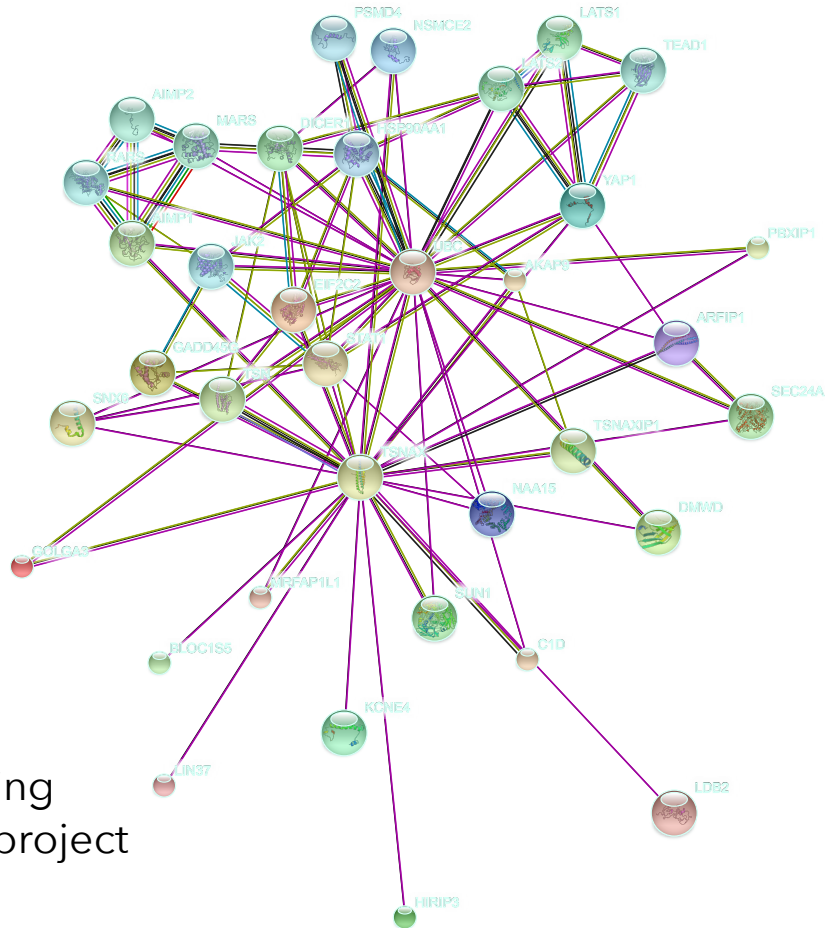
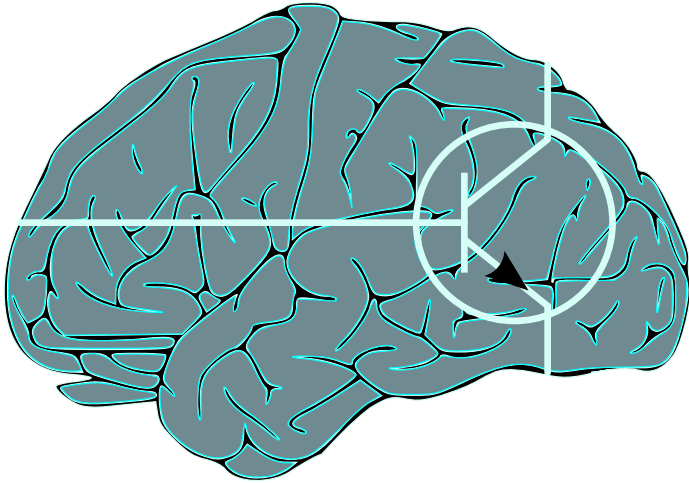


Computational Modelling in Neuroscience and Systems Biology

Directed study course
Summer semester 2018



Topics:

- Chemical reaction networks
- Gene regulation
- Biophysical neuron models
- Neural networks
- Stochastic modeling approaches

Lectures, python-based programming examples and homeworks, course project

Course dates:

April 17 - July 19

Computer Science - Prof. Dr. Tatjana Petrov tatjana.petrov@uni-konstanz.de

Biology - Dr. Jacob Davidson jdavidson@orn.mpg.de