

BDA group master project

Project title: Combined clustering of proteomics and transcriptomics time series data.
Duration: 4-6 months
Number of ECs: 24-36
Start: negotiable
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Project description

Clustering is a well-established technique to find groups within data sets. There are many methods and the most common ones are k -means and hierarchical clustering. Also clustering time series is performed in both proteomics and transcriptomics data. The new aspect we want to introduce here is to simultaneously cluster both time series while using the biological knowledge that proteins are translated from mRNA. There is data available from two experimental systems and we obviously have the possibility to simulate our own data to test methods.