

## Systems biology analysis at VIB

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Lost in regulation networks? Want to find regulators in your expression data? Want to visualize the regulation networks? We have solutions for you! We have some well benchmarked softwares that are specialized in inferring gene regulation networks by integrative modeling of large amounts of high-throughput molecular data using systems biology approaches. They are:

LeMoNe: a software package for inferring regulatory modules and predict their condition-dependent regulators from large-scale compendia of gene expression data.

ENIGMA: a software tool to extract gene expression modules from perturbational microarray expression data.

Pathicular: a Cytoscape plugin for studying the cellular response to genetic perturbations.

MINT: a Cytoscape plugin for the identification of functional modules in integrated networks.

If studying regulatory networks from systems biology perspective is all what you want, just try our tools! You can either download them from our website (<http://bioinformatics.psb.ugent.be/software>), or alternatively, you can bring your expression data to us for the analysis. The results will aid you greatly in the biological interpretations and in the assessment of crosstalk between biological processes, as well as speed up your possible biomarker discovery.