Modularised procedure for network analysis: overview
Laudanna's lab

Network analysis is modularised. Each module performs a discrete step of analysis dedicated to a specific goal. Modules can be executed alone or in combination, to perform a complex, more informative, analysis.

For instance, if the goal is simply network reconstruction, then Module 1 and/or Module 2 are applied. If a proteomic data-set has to be analysed, with the purpose, for example, of identifying the most important phosphorylated proteins in a specific context, for instance leukaemia cells isolated from many CLL patients, then a combination of Module 2 + Module 3 + Module 4 + Module 8 can be applied.

And … so on!

The procedure is designed for the *Cytoscape* network analysis environment.

Module 1 Global pathway/network download	**Module 2** Network reconstruction from experimental data sets	**Module 3** Network topological analysis
Module 4 Network merging analysis	**Module 5** Network ontological analysis	**Module 6** Network global enrichment analysis
Module 7 Network disease enrichment analysis	**Module 8** Network kino-phosphatome enrichment analysis	**Module 9** Network protein domain enrichment analysis
Module 10 Network metabolic enrichment analysis		

start = Analysis starting point

Cytoscape user manual

Red	= actions	Blue	= web service
Blue	= apps	☞	= web-links (mouse hover and click over the objects to go to web sites)