RNI - Regulatory Network Inference

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**Job description:** Inferring, or 'reverse-engineering', a biological network refers to the process of identifying interactions between genes or gene products from experimental data through computational analysis. Learning the structure of gene regulatory networks is essential for understanding how transcription factors (TFs) regulate gene expression and allow an organism to regulate its metabolism and adapt itself to environmental changes. Currently there exist several approaches to infer the regulatory network from genomics data. Your task will be to evaluate the power of different methods on real gene expression data and to participate in the development of new methods within the KEPACO research group.

**Additional information:** Research group web page [http://research.ics.aalto.fi/kepaco/](http://research.ics.aalto.fi/kepaco/)