HELSINKI UNIVERSITY OF TECHNOLOGY

LABORATORY OF COMPUTER AND INFORMATION SCIENCE

**Some key points about the course**

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# Journal club

The idea is to learn about the most recent and most important things by reading current papers.

One participant introduces the paper of the day and we will discuss it interactively.

The idea is that everybody reads the papers beforehand; then the discussion will be the most useful.

# Background readings

Read the following review papers in the beginning (sorry, no easily readable textbook available):

Patterson & Aebersold: Proteomics: The first decade and beyond.

Listgarten & Emili: Statistical and Computational Methods for Comparative Proteomic Profiling...

Goodacre et al: Metabolomics by numbers...

# Follow the following journals

- Bioinformatics
- BMC Bioinformatics
- PLoS Computational Biology
- IEEE/ACM Transactions on Bioinformatics and Computational Biology
- Molecular and Cellular Proteomics
- Analytical Chemistry
- Metabolomics

# How to choose topics

Better alternative: Choose and article yourself + discuss with us

Worse alternative: Ask us