

*Computational analysis of
biological structures and networks*

Instruction for the thematic workshop

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Assessment methods

Two parts:

- ♦ *First part: few questions on course topics (**written exam**, during exam sessions)*
- ♦ *Second part: **talk** within a thematic workshop (as in a conference)*

From introduction

Assessment methods

Talk within a thematic workshop: details

- ♦ *The topic of the thematic workshop will be decided in advance*
- ♦ *Each student chooses a scientific paper to be presented in 10 minutes*
- ♦ *One thematic workshop will be held at the end of the course*
- ♦ *Other sessions in September and February*

Procedure

- ♦ All students who want to participate to the first session need to register by sending an email (Deadline: 7/4)
- ♦ All students have to choose a paper on the assigned topic to be presented at the workshop
 - ♦ One different paper per student (a list of taken papers will be maintained on the web page)

CHECKPOINT: the chosen paper should be approved by the instructor

Topic

- ♦ The topic for this year is “**Dissimilarity-based approaches in bioinformatics**”
 - ♦ Derivation of novel similarities/dissimilarities measures for biomedical problems
 - ♦ Novel approaches based on dissimilarities
 - ♦ Biological findings obtained with dissimilarity-based techniques

Procedure

- ♦ **Preferred:** Papers published in Briefings in Bioinformatics, Bioinformatics IEEE/ACM Transactions on Computational Biology and Bioinformatics, BMC Bioinformatics, BMC Genomics, Artificial Intelligence in Medicine or other high impact journals (Nature, Science, ...)
- ♦ **Alternatives:**
 - ♦ Other papers published journals of Elsevier, IEEE, ACM, Springer and Oxford Academic can be considered (check)
 - ♦ Conference papers published in IEEE-IAPR-ACM conferences

Procedure

- ♦ Each student is given 10 minutes for the presentation (in English)
- ♦ Reasonably, the workshop will be held the last week of the course (7-9 June)
 - ♦ Depending on the number of registration
- ♦ Other workshops will be held in September 2017 / February 2018

News

- ♦ Thematic Workshop program: see the file
- ♦ 10 minutes (strict!)
- ♦ Suggested structure of the talk:
 - ♦ Introduction to the problem
 - ♦ Main idea (no formulas!) together with the advance with respect to previous works
 - ♦ Some results and discussion
- ♦ Office hours for questions: Wednesday 31: 9-12