

BIOINFORMATICS

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Teacher

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I'm working in different fields of bioinformatics, from the analysis of biological sequences to biological modeling, with the goal of developing specific algorithms and computational solutions tailored on High Performance Computing and Open Science.

Qbio: Quantitative Biology Group



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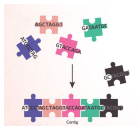


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DIPARTIMENTO DI INFORMATICA



Outline

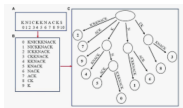
- Genome assembly;



- Alignment of biological sequences;

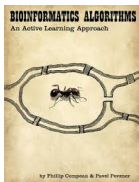


- Multiple pattern matching



Suggested readings for course

- P. Compeau and P. Pevzner. ***Bioinformatics Algorithms: An active Learning Approach (Vol.1)***. Active Learning Publishers 2014.



- P. Compeau and P. Pevzner. ***Bioinformatics Algorithms: An active Learning Approach (Vol.2)***. Active Learning Publishers 2014.



- Book copies are available at the library of Computer Science department.
- The teaching material used for lessons is available on the web site of the course.