"the potential to translate big data into big discovery"



**Bachelor's Degree in Bioinformatics** 



#### Moodle course https://aula.esci.upf.edu/course/

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### **Presentation of the cours**

- **→** Objectives
- → Teaching plan
  - Content
  - Assessment criteria

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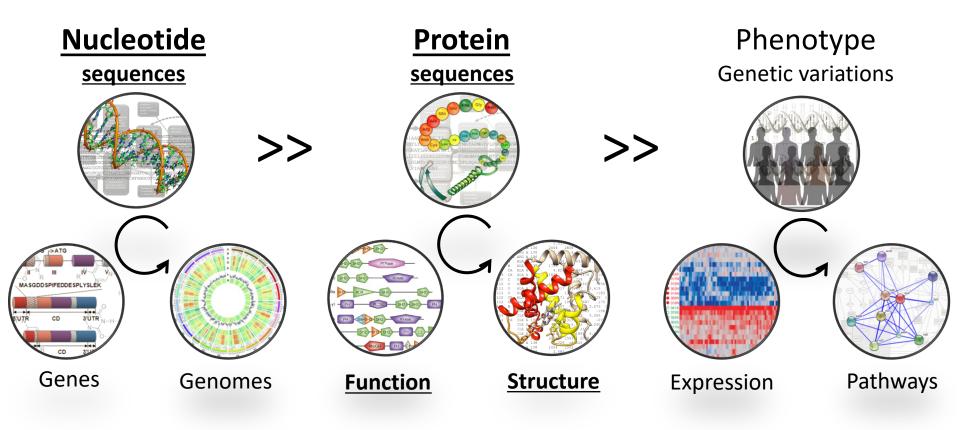
## **Objectives**

- To know what a biological database is
- To understand why databases are useful for dealing with large amounts of biological data
- To introduce to some of the major online public biological databases and their features
- To gain experience in extracting data from online biological databases
- To know to what extent biological databases are integrated
- To discuss the current challenges of biological databases



#### **Course content**

### Flow of Genetic Information and the Central Dogma





#### Assessment

• Final exam.+

at the computer lab integrative problems mandatory

• End-of-unit tests. \*

online tests continuous assessment

Active participation in class. \*

group activities during theoretical sessions participation in the practical sessions

60%

10%

**30%** 

+ The final exam requires a minimum grade of 4 points (out of 10).

In order to successfully complete this course, the student must get a minimum final grade of 5 points (out of 10).

<sup>\*</sup> In order to get access to the final exam, the student needs to have participated in at least 50% of the continuous assessment activities (active participation in class and end-of-unit tests).