

advanced course on

09-13<sup>th</sup> July 2018  
Biology Department and CESAM  
University of Aveiro

# Bioinformatics for Microbiologists

2<sup>nd</sup> edition

## general information

Dealing with sequence analysis is part of the microbiologist's framework. Research on microbial genomes and proteomes is generating a huge amount of information stored in the databases.

The goal of this advanced course is to **deliver tools for microbial 'omics' analysis.**

## invited speakers

**Cátia Fidalgo**, DBio & CESAM, UA  
**Gabriela Moura**, Dep. Medical Sciences & iBiMED, UA  
**Nuno Rosa**, Dep. Health Sciences, UCP  
**Otávio Paulo**, cE3c - Centre for Ecology Evolution and Environmental Changes, ULisboa  
**Raquel Silva**, IEETA & iBiMED, UA  
**Tânia Caetano**, DBio & CESAM, UA

## microlab speakers

**Anabela Lopes**  
**Ana Cristina Esteves**  
**Ana Sofia Duarte**  
**Artur Alves**  
**Cláudia Oliveira**  
**Isabel Henriques**  
**Marta Alves**  
**Marta Tacão**



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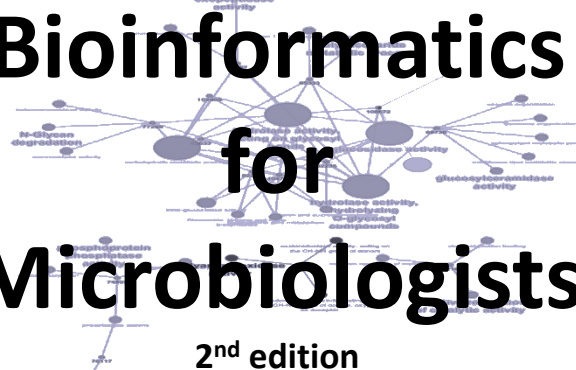
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## course organization

Teaching modules will include **theoretical classes, hands-on sessions** and **case-studies**:

- Sequence databases knowledge and handling
- Protein function and classification
- Phylogenetic relationships
- Genome sequencing technologies
- Genome sequence assembly and annotation pipelines
- Data analysis for metagenomics
- Statistical analysis for genomic datasets (R software)
- Interactomics
- Proteomics

## fees

Limited to 20 participants; 10 vacancies are for students enrolled in the doctoral programs of DBio-UA (no fee)  
Special fee for other DBio-UA students  
Other participants: 100 €

## Deadline for registration: 29<sup>th</sup> June 2018

## target audience

The course is for life sciences and health sciences-oriented scientists, or graduated students, that are familiar with web interfaces. The course is targeted to young researchers, PhD students, studying microbial omics.

## organizers

Ana Cristina Esteves | Ana Sofia Duarte | Cláudia Oliveira | Isabel Henriques

## information

Ana Cristina Esteves : [acesteves@ua.pt](mailto:acesteves@ua.pt)