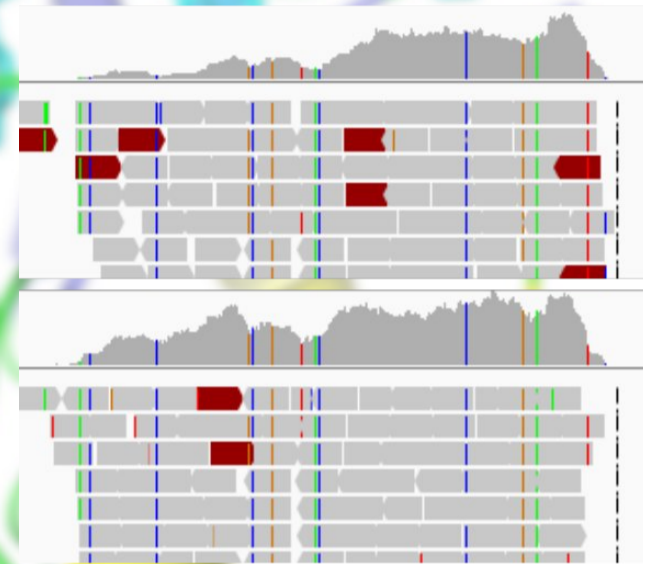


# The Gulbenkian Training Programme in Bioinformatics

## Analysis of Differential Expression with RNAseq

# ADER18F



April 9<sup>th</sup> - April 12<sup>th</sup> 2018

High-throughput technologies allow us to detect transcripts present in a cell or tissue. This course covers practical aspects of the analysis of differential gene expression by RNAseq.

Participants will be presented with real world examples and work with them in the training room, covering all the steps of RNAseq analysis, from planning the gathering of sequence data to the generation of tables of differentially expressed gene lists and visualization of results.

We we will also cover some of the initial steps of secondary analysis, such as functional enrichment of the obtained gene lists.

### Pre-requisites:

Familiarity with elementary statistics and a few basics of scripting in R.

Instructors:

**Daniel Sobral**

**Daniel Faria**

**Daniel Neves**

Instituto Gulbenkian de Ciência,  
Oeiras, PT

Organisers:

**Pedro L. Fernandes**

**Joana Marques**

Instituto Gulbenkian de Ciência,  
Oeiras, PT



Visit <http://gtpb.igc.gulbenkian.pt> for updates

