

# Gulbenkian Training Programme in Bioinformatics

## ADER19F

Analysis of Differential  
Expression with  
RNAseq  
(first ed. 2019)

June 3<sup>rd</sup> – 7<sup>th</sup>  
2019



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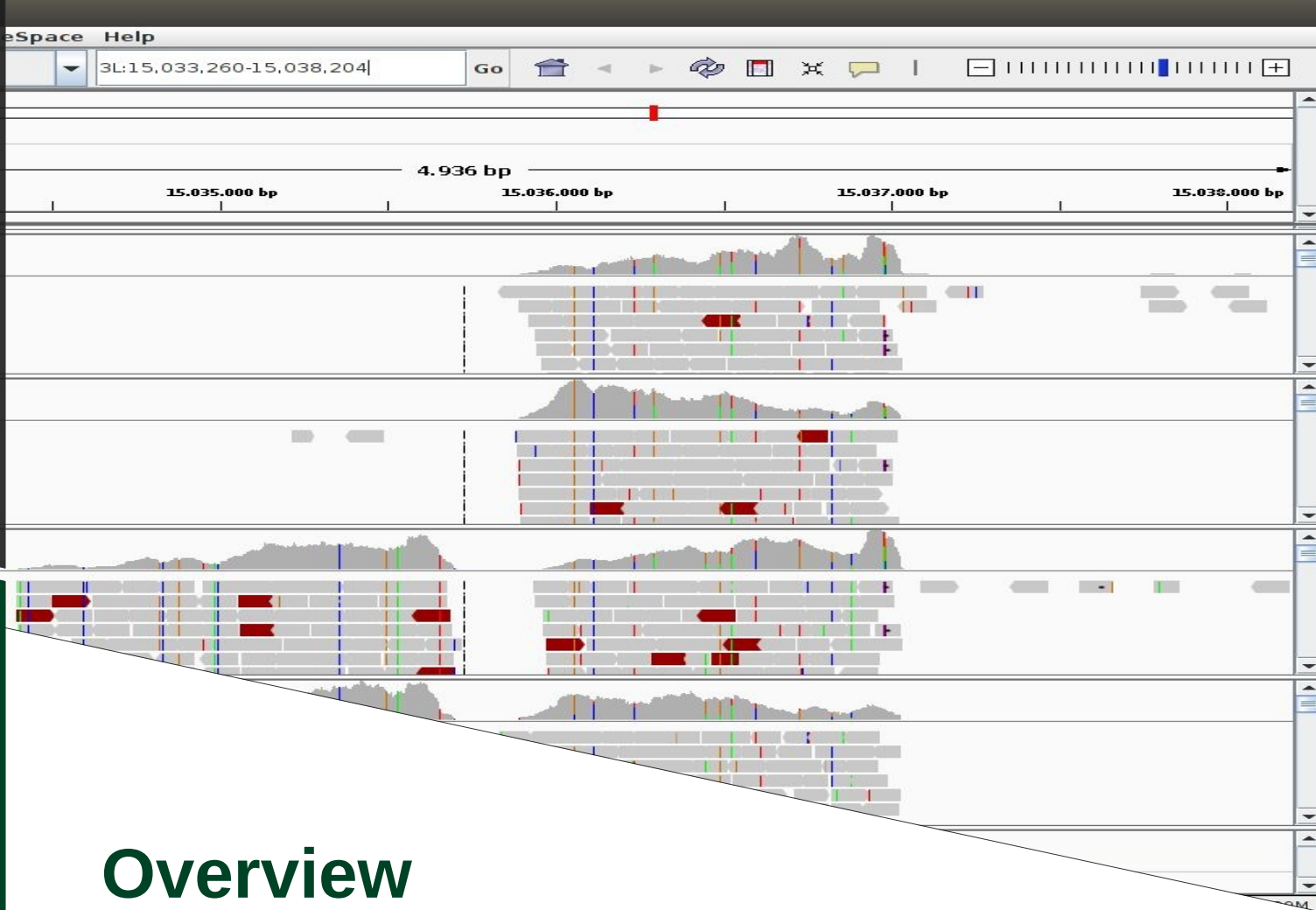
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ADER19F Website



## Overview

High-throughput technologies allow us to detect transcripts in a cell or tissue.

This course covers **practical aspects of the analysis of differential gene expression** by RNAseq, from planning the gathering of sequence data to the generation of tables of differentially expressed gene lists and visualization of results.

We will also **explore some specificities of single-cell RNAseq data analysis**. Towards the end, we will cover some of the initial steps of secondary analysis, such as functional enrichment of the gene lists.

Participants will start by learning the concepts using small example datasets, and then will apply the same methodology in real-world problems in the training room.

At the end of the course, participants will be able to apply the learned methods to their own data, with a high degree of autonomy.

<http://gtpb.igc.gulbenkian.pt/bicourses/>

BioData.pt 

Co-financiado por:



UNIÃO EUROPEIA  
Fundos Europeus Estruturais  
e de Investimento

