microRNA Detection Using small RNA-Seq
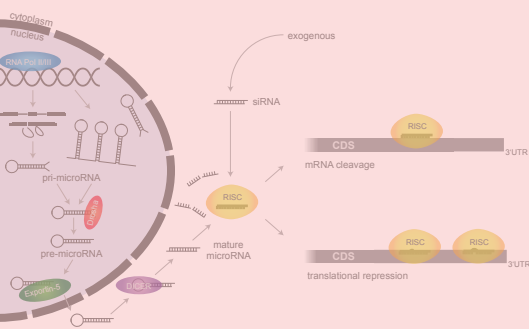
ecSeq BIOINFORMATICS

How to detect and quantify microRNAs using High-Throughput Sequencing.

microRNA hairpin structure
5' mature microRNA
loop region
3' mature microRNA
mapped reads
reference genome
microRNA locus
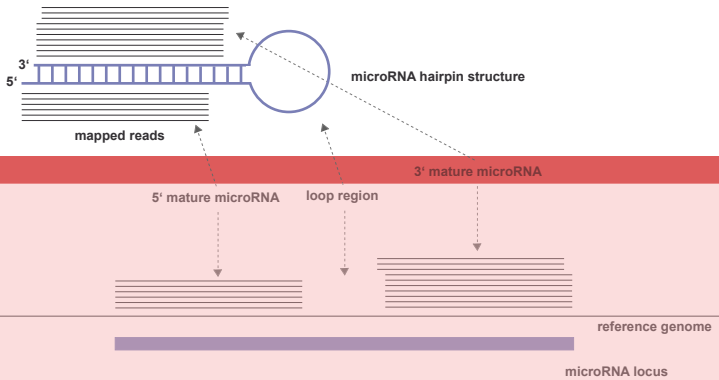
Workshop

13th - 14th October 2014
8:00 am - 17:00pm
Leipzig, Germany

Join this hands-on workshop taught by experts in the field. Learn how to use small RNA-Seq to detect/visualize microRNA expression and perform downstream analyses.

ENROLL TODAY

1. Visit www.ecseq.com/training.html
2. Choose from our list of upcoming workshops
   'microRNA Analysis Using High-Throughput Sequencing'
3. Click 'Register'

Workshop Cost:

industry rate: 850EUR
early-bird: 750EUR

academic rate: 600 EUR
early-bird: 500 EUR

Travel expenses and accommodation are not covered by the registration fee.

Course materials, conference dinner and catering included!

SCOPE AND TOPICS

- Discuss and understand the RNAi pathway
- Understand the method of small RNA-Seq and the problem with mapping short reads
- Learn how to predict new microRNAs using small RNA-seq reads
- perform microRNA gene prediction and downstream analyses
- Interpret the results and extract scientific valuable findings

SPEAKERS

- Michael Hackenberg (University Granada)
  Developer of miRanalyzer, one of the most-used microRNA gene prediction tools using small RNA-seq data
- David Langenberger (ecSeq Bioinformatics)
  Expert in small RNA-Seq data analysis