

ADRIÀ MITJAVILA VENTURA

Bioinformatician at *Istituto Europeo di Oncologia* | MSc

Biotechnologist living around computers, interested in data analysis to support experimental research as well as in pure (bio)computational experiments and in software/pipeline development.



EXPERIENCE

- 07/2019
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Present
- Bioinformatician**
Istituto Europeo di Oncologia, Pasini's lab Milan, Italy
- Analysis and integration of RNA-seq, ChIP-seq and ATAC-seq data.
 - Development of a Snakemake pipeline for ATAC-seq.
- 09/2017
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10/2018
- Master's thesis student & Research assistant**
Instituto de Biomedicina de Sevilla, Gene expression lab Seville, Spain
- Analysis of MNase-seq data.
 - Performance and analysis of MNase-qPCR experiments.
- 09/2016
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06/2017
- Internship & Bachelor's thesis student**
Microbial. Sistemas i aplicacions analítiques, S.L. Girona, Spain
- qPCR of intestinal biopsies to detect/quantify bacterial genres.
 - Statistical analysis of high-throughput sequencing data to quantify bacteria species.

EDUCATION

- 2018
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Present
- MSc in Bioinformatics and Biostatistics**
Universitat Oberta de Catalunya Online
- 2017
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2018
- MSc in Molecular Genetics and Biotechnology**
Universidad de Sevilla Seville, Spain
- Master's thesis: *Influence of Xrn1 in nucleosome positioning across Saccharomyces cerevisiae genome and its effects in transcription.*
- 2012
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2017
- BSc in Biotechnology**
Universitat de Girona Girona, Spain
- Bachelor's thesis: *Butyrate-induced changes in the diversity of intestinal mucosa-associated microbiota in colorectal cancer patients submitted to a lateral ileostomy.*

PUBLICATIONS

- 2020
- Xrn1 influence on gene transcription results from the combination of general effects on elongating RNA pol II and gene-specific chromatin configuration**
Begley V *et al.* RNA Biology. DOI: [10.1080/15476286.2020.1845504](https://doi.org/10.1080/15476286.2020.1845504).

CONTACT

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🔗 BioBit

SKILLS

Omics data analysis:

Microarray
RNA-seq
ChIP-seq
ATAC-seq
MNase-seq

Programming/scripting:

R/Bioconductor
Python
Bash

Other (informatics):

Snakemake
Conda
Docker
Git

Experimental:

DNA extraction...
Electrophoresis
Western blot
MNase-digestion
Bacterial/yeast culture

Languages:

Catalan (Native)
Spanish (Native)
English (C1 - IELTS 7.5)
Italian (Basic)

References available upon request.
Build with [pagedown](#), code [here](#).
Last updated on 2021-04-20.