

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
|
Present

Bioinformatician

Istituto Europeo di Oncologia

📍 Milan, Italy

- Analysis and integration of RNA-seq, ChIP-seq and ATAC-seq data.
- Development of an ATAC-seq pipeline for Snakemake.

09/2017
|
10/2018

Master's thesis student & Research assistant

Instituto de Biomedicina de Sevilla

📍 Seville, Spain

- Analysis of MNase-seq data.
- Performance and analysis of MNase-qPCR experiments.

09/2016
|
06/2017

Internship & Bachelor's thesis student

Microbial. Sistemes 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
|
Present

MSc in Bioinformatics and Biostatistics

Universitat Oberta de Catalunya

📍 Online

2017
|
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
|
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

🏠 Girona (Spain) - Milan (Italy)

✉ adria.mitjavila94@gmail.com

🌐 amitjavilaventura.github.io

🔗 [/amitjavilaventura](https://github.com/amitjavilaventura)

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)