

# 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. 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  
|  
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

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🌐 [amitjavilaventura.github.io](https://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  
(q)PCR

### Languages:

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