

ADRIÀ MITJAVILA VENTURA

MSc | PhD student in Bioinformatics at *Institut Josep Carreras*

Biotechnologist with training in Molecular Genetics and Bioinformatics. Interested in omics data analysis to study the mechanisms of gene regulation and their evolution. See more about me on [my website](#).



EXPERIENCE

- 11/2022
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Present
- **PhD student**
Institut Germans Trias i Pujol & Institut Josep Carreras
Group of Regulatory Genomics (Dr. Tanya Vavouri)
Badalona, Spain
- 08/2021
|
11/2022
- **Bioinformatician & master's thesis student**
Institut Josep Carreras
Group of Regulatory Genomics (Dr. Tanya Vavouri)
Badalona, Spain
- 07/2019
|
07/2021
- **Bioinformatician**
Istituto Europeo di Oncologia
Group of Epigenetic Mechanisms in Cancer (Dr. Diego Pasini)
Milan, Italy
- 09/2017
|
10/2018
- **Master's thesis student & Research assistant**
Instituto de Biomedicina de Sevilla
Group of Gene Expression (Dr. Sebastián Chávez)
Seville, Spain
- 09/2016
|
06/2017
- **Internship & bachelor's thesis student**
Microbial. Sistemes i aplicacions analítiques, S.L.
Girona, Spain



EDUCATION

- 2022
|
Present
- **PhD in Bioinformatics**
Universitat Autònoma de Barcelona (UAB)
Barcelona, Spain
- 2018
|
2022
- **MSc in Bioinformatics and Biostatistics**
Universitat Oberta de Catalunya (UOC)
Online
- 2017
|
2018
- **MSc in Molecular Genetics and Biotechnology**
Universidad de Sevilla (US)
Seville, Spain
- 2012
|
2017
- **BSc in Biotechnology**
Universitat de Girona (UdG)
Girona, Spain



PUBLICATIONS

- 2021
- Begley *et al.* Xrn1 influence on gene transcription results from the combination of general effects on elongating RNA pol II and gene-specific chromatin configuration. *RNA Biology*. 2021. doi: [10.1080/15476286.2020.1845504](https://doi.org/10.1080/15476286.2020.1845504)



POSTERS & PRESENTATIONS

- 03/2022
- Mitjavila & Vavouri. Analysis of piRNA variation across three *Mus* species (*in Catalan*). Oral presentation at the *Jornades de Biologia de la Reproducció* from the Catalan Society of Biology (March 2022)
- 02/2023
- Mitjavila & Vavouri. Fast evolution of piRNA cluster expression across three mouse species. Poster at PhD in Bioinformatics Workshop (February 2023)

CONTACT

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🔗 [/amtjavilaventura](https://www.linkedin.com/company/amtjavilaventura)
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SKILLS

Bioinformatics:

sRNA/RNA/ChIP/ATAC/MNase-seq data analysis, Sequence analysis, Genome Browsers (UCSC, ENSEMBL, IGV)

Informatics:

R/Bioconductor, R Markdown, Shiny, Bash, Snakemake, Python, Git, HPC (PBS/Slurm), Conda, Docker, Singularity, Linux (Ubuntu)

Languages:

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

DEVELOPMENT

plotmics: visualization of omics and sequencing data in R.

ggmitji: complements and customization for ggplots.

chromHMMviewer: visualization of ChromHMM outputs in R.

More on my [GitHub profile](#).

HONORS & AWARDS

INPhINIT Incoming PhD Fellowship (La Caixa, 2022-2025)

Master's thesis, with honours (UOC, 2022)

SEMM PhD Fellowship (SEMM, 2019-declined)

Elite athlete (BOE, 2015-2021)

World Rowing U23 Champion (FISA, 2016)