

ADRIÀ MITJAVILA VENTURA

Bioinformatician at *Istituto Europeo di Oncologia*.

Biotechnologist living around computers, pursuing a PhD in Computational Biology and interested in data analysis to support experimental research as well as in pure computational experiments and in software/pipeline development.



EDUCATION

- | | |
|----------------------|---|
| 2019

Present | PhD in Computational Biology
Scuola Europea di Medicina Molecolare
Milan, Italy |
| 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: <i>Influence of Xrn1 in nucleosome positioning across <u>Saccharomyces cerevisiae</u> genome and its effects in transcription.</i> |
| 2012

2017 | BSc in Biotechnology
Universitat de Girona
Girona, Spain

• Bachelor's thesis: <i>Butyrate-induced changes in the diversity of intestinal mucosa-associated microbiota in colorectal cancer patients submitted to a lateral ileostomy.</i> |



EXPERIENCE

- | | |
|-------------------------|--|
| 10/2019

Present | PhD candidate in Computational Biology
<i>Istituto Europeo di Oncologia</i>
Milan, Italy

Epigenetics & Computational Biology |
| 07/2019

10/2019 | Bioinformatician
<i>Istituto Europeo di Oncologia</i>
Milan, Italy

Epigenetics & Computational Biology |
| 09/2017

10/2018 | Master's thesis student & research assistant
<i>Instituto de Biomedicina de Sevilla</i>
Seville, Spain

Gene expression & Computational Biology |
| 09/2016

06/2017 | Internship & Bachelor's thesis student
<i>Microbial. Sistemes i aplicacions analítiques, S.L.</i>
Girona, Spain

Molecular Microbiology |

CONTACT

🏠 Girona (Spain) - Milan (Italy)
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🌐 [/amitjavilaventura](https://amitjavilaventura.com)
📱 [/amitjavilaventura](https://amitjavilaventura.com)

SKILLS

Omics data analysis:

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

Programming/scripting:

R/Shiny
Python

Workflow management

Snakemake

Environment management

Conda
Docker

Code repositories:

GitHub
GitLab

Languages:

Catalan
Spanish
English
Italian



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).



HONORS & AWARDS

10/2019

Present



SEMM PhD Fellowship

Scuola Europea di Medicina Molecolare - European School of Molecular Medicine

📍 Milan, Italy

2015

2021



Elite Rower

Federación Española de Remo - Spanish Rowing Federation

2016



World Rowing U23 Champion

FISA - WorldRowing

📍 Rotterdam, Netherlands.