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.

CONTACT

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/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)

References available upon request
CV build with pagedown, code here
Last updated on 2021-04-15