PAULA RAMOS SILVA
RESEARCHER | BIOINFORMATICIAN

SUMMARY

I am a computational biologist and engineer with 12+ years of experience in bioinformatics and research.

I am motivated, organized and result oriented. I work well both independently and in a team.

I am eager to find challenging applied scientific work dealing with big biological data.

SKILLS

- Bioinformatics tools
- Data analysis
- Data visualization
- Scientific writing
- Oral presentations
- Project supervision
- Molecular biology
- Microbiology
- Code: Python, R, Shell
- IDEs: PyCharm, RStudio
- Workflows: Snakemake
- FAIR data

LANGUAGES

- Portuguese - native
- English - full
- French - full
- Dutch - limited

WORK EXPERIENCE

RESEARCHER/BIOINFORMATICIAN • NATURALIS BIODIVERSITY CENTER • 07/18 – PRESENT
- Ran experiments and workflows for RNAseq and proteomics data
- Managed data and *in house* server for bioinformatics projects
- Supervised research projects in bioinformatics (four MSc students)
- Wrote four scientific publications (two as first author)
- Lectured topics in bioinformatics at MSc level
- Received over 176 000 EUR through competitive research funding
- Created two projects in science communication
- Communicated research in more than 10 international conferences

RESEARCHER • INSTITUTO GULBENKIAN CIÊNCIA • 03/14 – 05/18
- Developed workflows for comparative genomics of bacteria
- Benchmarked genome assemblers and other bioinformatics tools
- Awarded with a competitive fellowship to study bacterial sporulation
- Wrote three scientific publications
- Managed server for the Computational Genomics team

RESEARCH ANALYST • INSTITUTO SUPERIOR TÉCNICO • 11/07 – 11/08
- Developed microbial bioreactors for toluene biodegradation
- Collected and analyzed data
- Wrote summary reports and presentations

EDUCATION

PHD BIOINFORMATICS • UNIVERSITY OF AMSTERDAM • 2009 – 2013

BSC & MSC BIOLOGICAL ENGINEERING • INSTITUTO SUPERIOR TÉCNICO • 2001 – 2007

ADVANCED TRAINING & SERVICES

- *Laboratory Leadership* by EMBO.org
- *Genome Assembly and Annotation* by physalia-courses.org
- *Bioinformatics using Python for Biologists*, *Advanced Biostatistics using R* and *NGS Data Analysis, RNAseq, ChIPseq* by gtpb.igc.gulbenkian.pt
- Expert reviewer of Horizon proposals for the European Commission
- Science communicator at LiveScience Naturalis Biodiversity Center

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