# PAULA RAMOS SILVA

**BIOINFORMATICIAN | RESEARCHER**

## SUMMARY

Experienced bioinformatician and molecular biologist specializing in NGS, scientific research, and technical support.

Dedicated professional, accomplishing objectives within tight deadlines.

Highly adaptable and flexible, working well both independently and in a team.

## SKILLS

• Data analysis
• Scientific writing
• Oral presentations
• Technical support
• Bioinformatics software
• Biological databases
• NGS, RNAseq, PCR
• Gene expression
• Spatial biology
• Python, R, Shell, SQL
• Snakemake, Git
• UNIX, Windows, AWS

## LANGUAGES

• Portuguese - native
• English – fluent (C2)
• French – advanced (C1)
• Dutch – intermediate (B1)

## SELECTED WORK EXPERIENCE

**TECHNICAL APPLICATION SCIENTIST • NANOSTRING TECHNOLOGIES• 03/23 – PRESENT**
• Resolved complex customer issues and provided technical consultation for instruments and multi-omics data analysis in spatial biology post-sales.
• Improved internal processes and technical documentation, including internal notes, knowledge base and customer-facing documents.
• Awarded with EMEA Outstanding Contribution for Technical Support.

**RESEARCHER/BIOINFORMATICIAN • NATURALIS BIODIVERSITY CENTER • 07/18 – 09/22**
• Designed experiments, performed RNA/DNA extractions and library preparations for Illumina platforms.
• Developed reproducible workflows in R and Python for analysis of transcriptomics and proteomics data.
• Managed in-house server for bioinformatics projects.
• Supervised four MSc students' research projects.
• (Co-)authored six peer-reviewed publications and communicated research to large audiences in over 12 conferences and sci-comm events.
• Awarded with over 176,000 EUR through competitive European funding.

**RESEARCHER • INSTITUTO GULBENKIAN CIÊNCIA • 03/14 – 05/18**
• Developed workflows in Python for large-scale comparative genomics.
• Authored five publications and lectured for Bioinformatics' MSc students.

## EDUCATION

**PHD BIOINFORMATICS • UNIVERSITY OF AMSTERDAM • 2009 – 2013**
**BSC & MSC BIOLOGICAL ENGINEERING • INSTITUTO SUPERIOR TÉCNICO • 2001 – 2007**

## SELECTED TRAINING & SERVICES

• *Laboratory Leadership* by EMBO.org.
• *Bioinformatics using Python for Biologists* by igc.gulbenkian.pt.
• *Introduction to Nextflow* by physalia-courses.org.
• *Frontiers in Stem Cells & Regeneration* by www.mbl.edu.
• Expert reviewer of project proposals for the **European Research Executive Agency**.

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