



PAULA RAMOS SILVA

BIOINFORMATICIAN | RESEARCHER

SUMMARY

I am a bioinformatician and molecular biologist with 16 years of experience in scientific research.

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

I am eager to find challenging scientific work dealing with cutting edge technology.

SKILLS

- Data analysis
- Scientific writing
- Oral presentations
- Research support
- Project management
- Bioinformatics tools
- Biological databases
- NGS, RNAseq, PCR
- Gene expression
- Microscopy
- Spatial Biology
- Python, R, Shell
- Snakemake, Git
- UNIX, Windows

LANGUAGES

- Portuguese - native
- English - advanced
- French - advanced
- Dutch - intermediate

SELECTED WORK EXPERIENCE

TECHNICAL APPLICATION SCIENTIST • NANOSTRING TECHNOLOGIES • 03/23 – PRESENT

- Resolved complex customer issues and provided technical consultation for experimental assays and data analysis in Spatial Biology post-sales
- Improved internal processes and technical information, including technical notes, application notes and white papers
- 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 sequencing
- 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
- Authored peer-reviewed publications and communicated research to large audiences in more than 12 international conferences and science communication events
- Awarded with over 176 000 EUR through competitive European funding

RESEARCHER • INSTITUTO GULBENKIAN CIÊNCIA • 03/14 – 05/18

- Developed workflows in Python for comparative genomics
- Authored scientific publications and lectured for the MSc in Bioinformatics

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
- *Bioinformatics using Python for Biologists* and *Analysis of Differential Expression with RNAseq* by gtpb.igc.gulbenkian.pt
- *Frontiers in Stem Cells & Regeneration* by www.mbl.edu
- Expert reviewer of project proposals for the **European Research Executive Agency**



paula.srs@gmail.com



+31628412622



@paula-ramos-silva



@PaulaRS