

NATALIA DE SOUZA ARAUJO

BIostatistics | Bioinformatics



CONTACT

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B driving license

www.natevolution.com
www.github.com/nat2bee

PROGRAMMING

- Python
- R
- SAS
- Unix environment

SKILLS

- Scientific rigor
- Problem-solving
- Project Management
- Teamwork
- Effective Communication
- Critical Thinking

LANGUAGES

- English (Fluent)
- French (Fluent)
- Portuguese (Native)
- Dutch (Basic)



PROFILE

Over seven years of experience post PhD in bioinformatics and functional genomics. I have established and implemented pipelines to analyze high-throughput biological datasets such as genomic, transcriptomic, and epigenomic data generated with short reads and long sequencing. Wet lab experience in molecular biology, project management, and team training.



WORK EXPERIENCE

Université libre de Bruxelles 2024 - PRESENT
Assistante chargée d'exercices en biologie

- Biology lab teaching for students of medicine BAC1
- Student evaluation assessment and grading

Université libre de Bruxelles 2019- 2024
Bioinformatics | FNRS Chargé de recherches

- Co-analyses of genomic, transcriptomic, and epigenomic data.
- Genome sequencing and assembly (Nanopore).
- Transcriptomic sequencing (Illumina).
- Conformation data (Hi-C).
- Pipeline development for omic analyses (GWAS, co-expression, GO enrichment, differential expression).

Université de Liège 2017- 2019
Bioinformatics

- Pipeline development for genome cohorts.
- PCR and Nanopore sequencing.
- Genotyping.
- Variant calling.
- Python and bash programming.



EDUCATION

Analyse de données appliqué en R&D 2025 - PRESENT
UCLouvain | FOREM - Belgium

Ph.D. in Genetics and Evolutionary Biology 2012 - 2017
Universidade de São Paulo - Brazil

M.Sc. in Genetics and Evolutionary Biology 2010 - 2012
Universidade de São Paulo - Brazil