



# NATALIA DE SOUZA ARAUJO

BIostatistics | Bioinformatics

## CONTACT

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Liège, Belgium

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