

## Research/Working Experience

```
## # A tibble: 2 x 5
##   what                when          with          where why
##   <chr>              <chr>        <chr>        <chr> <lis>
## 1 Bioinformatician (Scientist II) 2022 - Present Nykode Therapeutic~ Oslo~ <chr>
## 2 Post-doctoral researcher      2017 - 2022    University of Oslo Oslo~ <chr>
```

## Computational skills

What	Level	Category	Description
Python	Proficient	Programming language	pandas, polars, seaborn, plotly, NumPy, scikit-learn, object-oriented programming.
R	Proficient		ggplot2, tidyverse, RMarkdown, Rcpp, S4 objects, plotly.
Perl	Proficient		Regular expressions, CGI scripting, object-oriented design.
Bash	Intermediate		Scripting for automation, file manipulation, and workflow execution.
HTML / CSS	Intermediate	Databases	Development of interactive websites.
D3	Intermediate		Development of interactive hierarchical trees.
SQL	Beginner		Queries, subqueries, join operations.
Snakemake	Proficient		Development of pipelines for analysis of NGS data.
GNU make	Intermediate	Containerization	Automating bioinformatics workflows.
nextflow	Beginner		Development of pipelines for analysis of NGS data.
Docker	Intermediate		Containerized bioinformatics applications.
Git	Proficient		Development branching, project merging, code review.
aws S3	Beginner	Cloud	Basic manipulation of files in a bucket.
CI/CD	Beginner	Automation	Test functionality of repositories (GitHub actions).

**Experience with the following approaches:** clustering, dimensionality reduction, data wrangling, multivariate analysis, statistical tests, Markov chains, random forest, linear regression, logistic regression, neural networks, ranking, feature selection, data curation, ROC and Precision-Recall curves, benchmarking, regular expressions, pattern discovery, pattern matching.

## Education

```
## # A tibble: 3 x 5
##   what          when      with          where why
##   <chr>        <chr>    <chr>        <chr> <lis>
## 1 PhD in bioinformatics 2014 - 2017 Aix-Marseille Universite Mars~ <chr>
## 2 Master in systems biology 2013 - 2014 Institute de biology de ~ Pari~ <chr>
## 3 Bachelor in genomic sciences 2009 - 2013 Universidad Nacional Aut~ Cuen~ <chr>
```

## Languages

Spanish	English	French	Norwegian
Native	Fluent	Fluent	Intermediate (A2)

## Publications

23 Peer-reviewed publications (6 as first author).

See the complete list of publications (including preprints) and citations in my google scholar profile:  
[pcevKk0AAAA](#)

ORCID profile: 0000-0003-4069-357X

## Reviewed manuscripts

Web of Science (prev. Publons) profile: 1499198

+30 reviewed manuscripts in the following journals: Bioinformatics, Genetics, Molecular Plant, Nucleic Acids Research, Genome biology, Genome Biology and Evolution, Frontiers in Genetics, eLife.

## Personalia

```
## # A tibble: 2 x 5
##   what    when  with      where why
##   <chr>   <chr> <chr>    <chr> <list>
## 1 13/02/90 <NA> Date of birth <NA> <chr [0]>
## 2 Mexican <NA> Citizenship <NA> <chr [0]>
```

## References

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## # A tibble: 4 x 5
##   what                                when with where why
##   <chr>                                <chr> <chr> <chr> <lis>
## 1 PhD Supervisor, Collaborator      <NA> Prof~ Aix-- <chr>
## 2 Bachelor Thesis Supervisor, Collaborator <NA> PhD ~ Labo~ <chr>
## 3 Postdoc Supervisor, Collaborator    <NA> PhD ~ Norw~ <chr>
## 4 Head of In Silico and Artificial Intelligence Departm~ <NA> PhD ~ Nyko~ <chr>
```