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SKILLS

- Data management
- Data analysis
- Scientific writing and oral communication

SOFTWARE & PROGRAMMING

 Office suite

 Inkscape

 Python

 R

 Nextflow

 Git

 Neo4j

LANGUAGES

Englis (CECRL: C1)
French (native)

INTERESTS



Music

Diatonic accordion
Piano



Sport

Hiking
Badminton
Ski (alpine/
cross-country)

Baptiste Imbert

Bioinformatics research engineer



WORK EXPERIENCE

Research engineer 01/2025-02/2025

INRAE / Dijon, FRANCE

ECP team: genetic and genomic of Protean Target Species

- Trainer for the engineer recruited to develop OrthoLegKB database

PhD student 09/2021-12/2024

INRAE (funded by the University of Burgundy) / Dijon, FRANCE

ECP team (doctoral advisor: Nadim Tayeh)

- Further development/operation of OrthoLegKB
- Harmonisation of data integration through the use of ontologies
- Design and delivery of training in the use of OrthoLegKB
- Supervision of an intern in the design of a bioinformatics pipeline

Intern 01/2021-07/2021

INRAE / Dijon, FRANCE

ECP team (supervisors: Nadim Tayeh and Jonathan Kreplak)

- Creation of OrthoLegKB, a comparative genomics graph database integrating (genetic/omic) data on legumes
- Studying the genetics of resistance to bruchids with OrthoLegKB

Intern 06/2020-08/2020

Biofortis / Saint-Herblain, FRANCE

- Analysis of microbiota data using R clustering methods

Intern 06/2020-08/2020

IAB / Grenoble, FRANCE

RNA, Epigenetics and Stress team (supervisor: Virginie Faure)

- Optimisation of the CRISPR-Cas13 system to degrade a long lncRNA



EDUCATION

MSc in Bioinformatics & Systems Biology 2019-2021

University of Toulouse / Toulouse, FRANCE

Data analysis, databases (SQL), graph theory, evolutionary and quantitative genetics, statistics, linear models

MSc in Genomics & Biotechnologies 2017-2019

University of Limoges / Limoges, FRANCE

Developmental genetics, quantitative genetics, data analysis

Bachelor of Science 2014-2017

ICES / La Roche-sur-Yon, FRANCE

Cell Biology and Physiology



SCIENTIFIC PRODUCTIONS

Research article: Imbert et al., *BioRxiv* (2024)

[10.1101/2024.11.27.624268](https://doi.org/10.1101/2024.11.27.624268)

Research article: Imbert et al., *Front. Artif. Intell.* (2023)

[10.3389/frai.2023.1191122](https://doi.org/10.3389/frai.2023.1191122)

Other: two oral presentations and one poster at the Plant & Animal Genome conference in 2024 (San Diego, USA)