

# Luc Blassel

Researcher - Machine Learning for Biology and Evolution

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📍 Paris, France

## Experience

**Post-Doctoral Researcher**, [CNRS](#), Paris, France 2023–  
Improve the accuracy of predicted distances and develop the architecture of the model to accept unaligned sequences as input for the [PhyloFormer](#) project. Work with [Laurent Jacob](#).

**Doctoral candidate**, [Institut Pasteur](#), Paris, France 2020–2023  
PhD in computational biology, focused on improving and learning from sequence alignments.  
Funded by [PRAIRIE](#) and supervised by [Rayan Chikhi](#). Manuscript [here](#).

**Research Engineer**, [Institut Pasteur](#), Paris, France 2018–2020  
Using machine learning and large datasets to explore the drug resistance landscape in HIV.  
Supervised by [Olivier Gascuel](#). Project page [here](#).

**Data Scientist Intern**, [CapitalData](#), Paris, France Mar-Sept 2017  
Development of automated data validation and anomaly detection pipelines using R, Golang and Python.

**Teaching and tutoring**, self-employed, Paris, France 2015–2022  
Tutoring in English, mathematics, biology, physics, chemistry and computer science. From middle school to university level. Weekly English oral examinations at the [ENCPB](#) since Sept. 2021.

## Education

**Doctorate (PhD)**, Sorbonne Université, Paris, France 2020–2022  
Worked at the Institut Pasteur on machine learning techniques applied to biological sequence alignments.

**Masters of Science (MSc)**, Dauphine université, Paris, France 2017–2018  
[IASD](#) program, courses in Deep learning, reinforcement learning and other machine learning techniques.

**Diplôme d'Ingénieur**, AgroParisTech, Paris, France 2014–2018  
Multi-disciplinary curriculum with courses in biology, statistics, and compute science. Last year specialization in machine learning, [IODAA](#) program

**BCPST Preparatory class**, École Saint-Hilaire, Paris, France 2012–2014  
2 year French [preparatory class](#) to prepare a nationally ranked exam for entry in the "Grande Écoles"  
ranked 201/1967 (Veto), ranked 481/2991 (Agro)

## Languages

**French, English**: Native proficiency

**German**: limited working proficiency (1mo. program at Goethe Institute, Schwäbisch Hall, DE)

**Mandarin Chinese**: Beginner level (5mo. program at SISU Shanghai CN, and 1mo. program at UIR, Beijing, CN)

## Publications

You can find a complete list of my published work either on my [Google scholar](#) page or [ORCID](#) profile.