

LUC Blassel

Researcher - Machine Learning for Biology and Evolution

✉ luc@lucblassel.com ↗ lucblassel.com

⌚ 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.