

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.