Pierre Veron (he, him)

✉ pveron@bio.ens.psl.eu   🌐 pierre-veron.github.io

Affiliation

- **Institut de Biologie de l'ENS** (IBENS), École Normale Supérieure (ENS), CNRS, INSERM, Université PSL, 46 rue d'Ulm, Paris, France
- **Écologie Société et Évolution** (ESE), CNRS, Université Paris-Saclay, AgroParisTech, 12 route 128, Gif-sur-Yvette, France
- Doctoral school 227, "Sciences de la nature et de l'homme, écologie et évolution", Muséum National d'Histoire Naturelle, Sorbonne Université, Paris, France

Employment History

2022 –	**Ph.D. student** at Institut de Biologie de l'ENS, Paris, France. Supervision: Hélène Morlon and Tatiana Giraud. Funding: Doctoral fellowship of the *École polytechnique* and extension by the *Institut des mathématiques pour la Planète Terre (ImPT)*
2022	**Master thesis** at Institut Français de Recherche pour l'Exploitation de la Mer (Ifremer), UMR Decod, Nantes, France.
2020	**Research internship** at Centre de mathématiques appliquées de l'École polytechnique (CMAP), Palaiseau, France

Education

2020 – 2022	**M.Sc. Environmental sciences and engineering, École Polytechnique Fédérale de Lausanne, Switzerland.** Water, soil and ecosystem engineering. Thesis title: *Spatial multicomponent analysis of local and regional fish biodiversity from environmental DNA.*
2017 – 2020	**Cursus ingénieur polytechnicien École polytechnique, France.** Sciences for the environment. Studied applied mathematics, ecology and biodiversity, sciences for wind energy, urbanism.
2015 – 2017	**Prépa lycée Faidherbe, Lille, France** Mathematics and Physics (MP).

Publications

- **Veron, P.**, Andréoletti, J., Giraud, T. and Morlon, H. (2024). Speciation completion rates have limited impact on macroevolutionary diversification. *Phil Trans R Soc B*, *380*, 20230317.
- Morlon, H., Andréoletti, J., Barido-Sottani, J., Lambert, S., Perez-Lamarque, B., Quintero, I., Senderov, V. and **Veron, P.** (2024). Phylogenetic Insights into Diversification. *Annu Rev Ecol Evol Syst*, *55*, 1–21.
- **Veron, P.**, Rozanski, R., Marques, V., Joost, S., Deschez, M. E., Trenkel, V. M., Lorance, P., Valentini, A., Polanco, A. F., Pellissier, L., Eme, D. and Albouy, C. (2023). Environmental DNA complements scientific trawling in surveys of marine fish biodiversity. *ICES J Mar Sci*, *80*, 2150–2165.

Doctoral courses and continuous training

- Machine Learning in Python with *scikit-learn*, PSL graduate program in life sciences, Paris
- Mathematics and Modelling of Biodiversity, MMB Chair, École polytechnique and MNHN, spring school in Aussois, France
- Introduction to molecular phylogeny, Institut Pasteur, Paris
- Microbiodiversity, between ecosystems, evolution and society, MNHN, Paris
- Ethics and research integrity

Talks and posters

May 2025	Congress of young researchers, Muséum National d'Histoire Naturelle, Paris, France (talk).
March 2025	Invited by Violaine Llaurens at the seminar of the team Ecology & Evolution of Trait and Species Diversification, Collège de France, Paris, France (talk)
January 2025	Journées IDEEV/days of the institute of diversity, ecology and evolution of the living world, Gif-sur-Yvette, France (talk).
December 2024	Seminar of ecology and evolution, IBENS, Paris, France (talk).
	Invited by Bert Van Bocxlaer at the Evo-Eco-Paleo seminar, Lille, France (talk).
September 2024	Invited by Amaury Lambert at the SMILE seminar, Collège de France, Paris, France (talk).
May 2024	Stochastic processes in evolutionary biology, CIRM, Marseille, France (poster).
April 2024	Perspectives on speciation, Linnean Society, London, UK (poster).
June 2023	École de printemps de la chaire Mathématiques et modélisation de la biodiversité/Spring school of the chair "mathematics and modelisation of biodiversity", Aussois, France (talk).
May 2023	Congress of young researchers, Muséum National d'Histoire Naturelle, Paris, France (talk).
April 2023	Mathematical population dynamics, ecology and evolution, CIRM, Marseille, France (talk).

Teaching assistant

2025	Open Sciences, L3 Biology, ENS
2022 – 2024	Adaptive dynamics, M2 IMaLiS, ENS.
2023, 2024	Maths training for biologists, L3 and M1 IMaLiS, ENS.
2022 – 2024	Computer sciences for biologists, L3, ENS.
2021	Spatial statistics, Master Environmental Sciences, EPFL.
2017	Full time 5-months research assistant in mathematics and computer science for bachelor students. École nationale supérieure polytechnique, Yaoundé, Cameroon.

Supervision

2024   **Anaïs Spire**, M1 IMaLiS, ENS (4 months internship)

Reviewer

The American Naturalist, Systematic Biology, Molecular Ecology

Skills

Languages   French, English, a little German.

Coding   Python, R, LaTeX, beginner with Julia

Misc.   Driving license.

Miscellaneous Experience

Scientific engagement

2023   Responsible for the organization of the weekly seminar of the Ecology and evolutionary biology section of IBENS.

Awards and Achievements

2022   **Head of the class**, Master Environmental Sciences, EPFL.

Popularization of science

2024   ***Fête de la science***, running a stand for children at the ENS science fair.

2018 – 2023   **Summer school**, co-organizing and animating "Astromath", a summer camp for high-school students about mathematics and astronomy, in Ardèche, France.