Pierre Veron Ph.D. (he, him)

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About

I am a post-doctoral researcher at the French National Institute of Health and Medical Research (INSERM). I am working on mathematical models of hepatitis C virus transmission and on the economic evaluation of intervention strategies. I work at:

INSERM – UMR1137, UFR de Médecine Site Bichat
16 rue Henri Huchard, 75018 Paris, France.

Employment History

2026 – 2028 **Postdoctoral researcher** at Infection Antimicrobials Modelling Evolution, INSERM, Paris, France.
Funding: SHIELD Joint Action, European Union.

2022 – 2026 **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

2022 – 2026 **Ph.D. Evolutionary ecology, Muséum National d'Histoire Naturelle, France.**
Thesis title: *Bridging the micro–macro gap in speciation research: identifying microevolutionary processes that explain differences in diversification between lineages*

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.**, Spire, A., Chave-Lucas, A., Giraud, T. and Morlon, H. (2026). Rapid speciation in small populations challenges the dominance of ecological speciation. *Preprint on bioRxiv*.
- **Veron, P.**, Andréoletti, J., Giraud, T. and Morlon, H. (2024). Speciation completion rates have limited impact on macroevolutionary diversification. *Philosophical Transactions of the Royal Society B, Biological Sciences*, *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. *Annual Review of Ecology, Evolution, and Systematics*, *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 Journal of Marine Science*, *80*, 2150–2165.

Talks and posters

November 2026	Meetings of the chair “mathematics and modelling of biodiversity”, Paris, France.
September 2026	IDEEV Seminar, Institute of diversity ecology and evolution of the living world, Gif-sur-Yvette, France (talk).
October 2025	A multidimensional view of speciation: bridging micro and macroevolution, CNRS, Roscoff, France (talk).
August 2025	Congress of the European Society for Evolutionary Biology (ESEB 2025), Barcelona, Spain (talk and poster).
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 modelling 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).

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

Teaching assistant

- 2026 — Statistics and ecology, L2, Université Paris-Saclay.
- 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, ICES Journal of Marine Science, Marine Environmental Research

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.

Miscellaneous Experience (continued)

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