

# Pierre Veron (he, him)

 1997

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 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.**, 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**. *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.

## Publications (continued)

- 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.

## Talks and posters

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|----------------|---|
| October 2025   | ■ A multidimensional view of speciation: bridging micro and macro-evolution, 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).<br>■ 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).  |

## 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

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| 2025 | ■ Open Sciences, L3 Biology, ENS |
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## Teaching assistant (continued)

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