

# Marc Ohlmann

PhD candidate in statistical ecology and ecological modelling

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26 years old, male

## Education

- 2016– **PhD in Statistical Ecology and Ecological modelling**, *LECA*, Grenoble, France.
- 2015–2016 **Master of Science (Paris, France), major: Theoretical Ecology and Modelling**, *Université Paris-Saclay*, Paris, France.
- 2012–2015 **Engineer of the Ecole Polytechnique, major: Environmental Sciences**, *Ecole Polytechnique*, Paris, France.
- 2010-2012 **Preparatory years : mathematics, physics and chemistry**, *Lycée Louis-Le-Grand*, Paris, France.

## Professional and scientific experiences

- 2017-2018 **Teaching experience**, *Université Grenoble-Alpes*.  
*Interaction networks in Ecology*. Master course. Lectures and practical sessions(10H)
- Summers **Field work**.
- 2015-2018 Setting up and collection of soil samples in 15 elevational gradients in the French Alps as part of the biodiversity monitoring program ORCHAMP.
- February **Research internship**, *LECA*, Grenoble, France.
- 2016- July  
2016 Link between diversity indices and biotic interactions, application on metabarcoding data. *Supervisor : W. Thuiller*
- March 2015- **Research internship**, *LECA*, Grenoble, France.
- June 2015 Exploring metabarcoding data along an elevational gradient in the French Alps. *Supervisor : W. Thuiller*
- September **Military service**, *Marins-Pompiers de Marseille*, Marseille, France.
- 2012- April  
2013 Paramedic and firefighter in a fire station in the northern districts of Marseille

## Peer-reviewed publications

**Ohlmann, M.**, Miele, V., Dray, S., Chalmandrier, L., O'Connor, L. & Thuiller, W. Diversity indices for ecological networks: a unifying framework using Hill numbers. *Ecology Letters* <https://doi.org/10.1111/ele.13221>

**Ohlmann, M.**, Mazel, F., Chalmandrier, L., Bec, S., Chave, J., Coissac, E., Gielly, L., Pansu, J., Schilling, V., Taberlet, P., Zinger, L. & Thuiller, W. (2018) Mapping the imprint of biotic interactions on  $\beta$ -diversity. *Ecology Letters*, 21, 1660-1669

Roy, J., Bonneville, J.-M., Saccone, P., Ibanez, S., Albert, C.H., Boleda, M., Guéguen, M., **Ohlmann, M.**, Rioux, D., Clément, J.-C., Lavergne, S., Geremia, R. (2018) Differences in the fungal communities nursed by two genetic groups of the alpine cushion plant, *Silene acaulis*. *Ecology and Evolution*

## Skills

- Computer R, bash
- Modelling Statistical models of interaction (Bayesian networks, Markov networks). Network science.
- Bioinformatics Pre-processing and analysis of metabarcoding data for biodiversity monitoring.

## Center of interest, other experiences

- Languages French (mother tongue), English (written and spoken), German (notions).
- Sport and Adventures Rock Climbing and Alpinism in the Alps; Atlas Moutains, Morocco; Yosemite, USA. Ski
- Others Poetry, text mining on french poetry, oriental philosophy, anthropology