

Etienne Brejon Lamartinière

Hamm, 59065 Germany | etienne.brejon@gmail.com | 06 79 97 46 30 | yourwebsite.com

linkedin.com/in/etienne.brejon | github.com/ebrejonl

About me

I am a French-American PhD, passionate about biodiversity and its conservation. I thrive in multi-cultural and multi-disciplinary work environments.

Research statement

My research focuses in using next generation sequencing data to answer evolutionary questions about key organisms, such as the alien-like Fungi.

Education

Bielefeld University, P.h.D. Evolutionary population genomics	Oct 2022 – Oct 2026
AgroParisTech, Saclay University, Masters Ecology	Sept 2020 – Sept 2022
New York State University (SUNY), Ecology courses	Sept 2019 – December 2019
La Rochelle University, Bachelor Littoral ecology	Sept 2017 – Sept 2020
Baccalauréat scientifique, Sciences major, maths minor	Jun 2017

Publications

Tremble, K., **Brejon Lamartinière, E.**, Bradshaw A., Flores Arzu, R., Hoffman, J., Dentinger B., (2024) From populations to pan-genomes: identifying patterns of global genomic evolution in the porcini mushroom, *Boletus edulis*.

Brejon Lamartinière, E., Tremble, K., Dentinger, B. and Hoffman, J.I. (2025). A haplotype-resolved chromosomal reference genome for the porcini mushroom *Boletus edulis*. G3: Genes | Genomes | Genetics.

Brejon Lamartinière, E., Tremble, K.S., Dasmahapatra, K.K., Dentinger, B. and Hoffman, J.I. (2024) Runs of homozygosity reveal contrasting histories of inbreeding across global lineages of the edible porcini mushroom, *Boletus edulis*. Molecular Ecology, 33: e17470. Doi: 10.1111/mec.17470

Chen, R. S., Berthelsen, A. L., **Brejon Lamartinière, E.**, Spangenberg, M. C., Schmoll, T. Recognising and marshalling open data's pre-publication error correction potential for more reproducible science - A comment on Berberi and Roche. (2023) Nature Ecology and Evolution <http://dx.doi.org/10.1038/s41559-023-02152-3>

Schmoll, T., Berthelsen, A. L., **Brejon Lamartinière, E.** Chen, R., Spangenberg, M. C. Correction is courageous but done pre-publication more advantageous. (2023) Science eLetter (bottom of: <https://www.science.org/doi/10.1126/science.adm8205>)

Presentations

2023- Bielefeld University Animal Behavior and Evolution seminar : 20min talk

2023- Population and Landscape Genomics of Ectomycorrhizal Fungi symposium : 15 min talk. WSL, EvolTree Zürich, Switzerland

2024- 12th International Conference On Mycorrhiza. Poster and lightning talk. Manchester, UK.

2024- CeBiTec Retreat. *Boletus edulis*, a new model for ecology and evolution : 25min talk. Bad Sassendorf, Germany.

2024- Bielefeld University Animal Behavior and Evolution seminar : 20min talk

Grants and awards

Hopefully the Bielefeld young researcher fund "PhD extension" grant
Hopefully the Bielefeld young researcher fund "Post-Doc bridge" grant
Hopefully DFG walter benjamin fund

Reviewing roles

I reviewed manuscripts for the journals:

Molecular Ecology Ressources

G3: Genes|Genomes|Genetics

Teaching statement

During my PhD, I supervised 2 bachelor students, 2 master students, participated in the preparation of the materials for the courses X and Y and personally gave the lecture X to master's degree course and the practice Y to master's degree course.

I aim at developing inclusive and engaging teaching techniques, including variety in the shape of small projects, presentations, active discussions of research topics and papers rather than mostly traditional lectures.

Internships

Research assistant, ISYEB National Museum of Natural History, France June 2005 – Aug 2007

- Conducted population genomics study of Paris city brown rats.
- Assembled and analysed Y chromosomes and mitochondrial DNA.
- I used a cluster, the softwares GATK, VcfTools, BEAST, R and Pcadapt.

Research assistant, IAM INRAE, France June 2005 – Aug 2007

- Tested the potential of Réseau National de Surveillance Aerobiologique (RNSA) for monitoring the sooty bark disease.
- Extracted and amplified the DNA of *Cryptostroma corticale* from 200 pollen trap samples.
- Conducted GIS visualization and beta regressions in R.

Research assistant, EDB lab Toulouse (remote), France June 2005 – Aug 2007

- Tested the theory of thermal melanism on viviparous lizard living in the metatron.
- Analysed the melanism of lizards growing in different conditions.
- I used the softwares ImageJ and R.

Research assistant, Lesaffre International, Marc en Bareul, France June 2003 – Aug 2003

- Introduction to Research and Development and yeast biotechnologies.