

Nils CHABROL

✉ nils.chabrol@ens-lyon.fr





Research experience

- September 2023- **PhD with Gilles Escarguel, H el ene Morlon and Julien Clavel at the LEHNA (Lyon, France)**
Models of morphological evolution taking into account biotic interactions and abiotic effects of the environment: theoretical development and application to extant and fossil tetrapods.
- March 2023-June 2023 **Internship with Phil Mannion at UCL (London, UK)**
The biogeographic history of *Crocodylus*: testing the impact of fossil data.
- Sept. 2022-Feb. 2023 **Internship with Jo elle Barido-Sottani and H el ene Morlon at the IBENS (Paris, France)**
Including fossil data into diversification models with heterogeneous rates.
- January-June 2022 **Internship with Phil Mannion at UCL (London, UK)**
Revision of *Crocodylus palaeindicus* from the Early Pleistocene of India, with an improvement of Crocodyloidea phylogeny.
- April-July 2021 **Internship with Roger Benson and Erin Saupe at the University of Oxford, UK.**
Exploring the relationship between body mass and climate niche evolution in Carnivora.
- June-July 2020 **Internship with Julien Clavel and Gilles Escarguel at the LEHNA (Lyon, France)**
Modeling the relationships and causal constraints between descriptor parameters of the Anthropocene with Ornstein-Uhlenbeck processes.
- January 2020 **Internship with Jeremy Martin at the LGLTPE (Lyon, France)**
Identification and 3D digitization of crocodylian fossil material from the Togolese Eocene.

Education


- 2022- **Master MADELHIS (University of Lorraine)**
I am following a fully remote master degree in history and philosophy of science that I can validate in more than one year.
- 2022-2023 **"Projet Long de Recherche"**
This is the last year of my curriculum at the ENS de Lyon. During this year, I will do two internships of 4/5 months (details above).
- 2021-2022 **Second year of Master in Palaeontology, Sedimentology and Palaeoenvironments (UCBL/ENS de Lyon)**

Education (continued)


- 2020-2021  **First year of Master FEADéP (UCBL/ENS de Lyon)**
This master is usually done by people wanting to do the exma for becoming natural sciences teachers. This master allowed me to follow the courses I wanted in biology (molecular evolution, bioinformatic, ecology) and in geology (palaeontology, oceanography, geochemistry).
- 2019-2020  **Bachelor in Earth Sciences, Paleontology option (UCBL/ENS de Lyon)**
- 2019- 2023  **Ecole Normale Supérieure de Lyon**
Highly selective school which provided me a trainee civil servant status, permitting me to have a salary during my four years there.
- 2016-2019  **CPGE BCPST, Lycée Lakanal**
Intensive university-level courses in Biology, Chemistry, Physics, Mathematics and Geology.

Research Publications




Journal Articles

-  Amoudji, Y. Z., Guinot, G., Hautier, L., Kassegne, K. E., Chabrol, N., Charruault, A.-L., ... Martin, J. E. (2021). New data on the dyrosauridae (crocodylomorpha) from the paleocene of togo. *107(2)*, 102472.




Posters

-  Chabrol, N., & Mannion, P. D. (2022). *Reassessment of crocodylus palaeindicus remains from the late neogene to early pleistocene of india and the phylogenetic relationships of crocodyloids.*

Skills

- Languages  Nearly fluent in English (reading, writing and speaking), French is my mother tongue.
- Coding  Java, Python, R, \LaTeX .
- Tools  TNT, BEAST2, BAMM.

Qualifications

- 2022  Master degree in Earth Sciences
- 2021  Cambridge Advanced English, level C1 (grade C).
- 2020  Bachelor degree in Earth Sciences.

Side activities

President of the sport association of the ENS de Lyon during the year 2020/2021.

Sports (rugby, French boxing).

Side activities (continued)

Tutoring of High School students in science (math, physics, chemistry and biology).

Outdoor activities, bird watching.