



ANAÏS DUHAMEL

CONTACT DETAILS

✉ anais.duhamel@ens-lyon.fr

☎ +33 6 68 48 21 40

PERSONAL DETAILS

📅 29/01/1997

📍 104 rue Tronchet,
69006 Lyon (France)

LANGUAGES

French: native speaker

English: level C1

Spanish: level B1

German: level B2

SKILLS IN PALEONTOLOGY

Comparative anatomy

Bird bone histology

Surface scan

X-ray microtomography

Geometric morphometrics

Isotopic chemistry and modeling

Paleoproteomics

Dot drawing

HOBBIES AND INTERESTS

Science: paleontology, animal and plant biology, ecology, archaeology

Sport: french boxing, CrossFit, jumprope, climbing

Art: photography, drawing, painting, singing, playing guitar, music, cinema

ACADEMIC BACKGROUND

ÉCOLE NORMALE SUPÉRIEURE DE LYON (ENS, FRANCE)

Last year ENS degree "Projet long de recherche", containing several interships in France and abroad.

2021-2022

Master degree, Science of Earth, Planets and Environment. Major in paleontology and sedimentology.

2019-2021

Bachelor degree of Geology. Major in paleontology and sedimentology.

2018-2019

LYCÉE FAIDHERBE, LILLE (FRANCE)

BCPST (Biology, Physics, Chemistry, Science of Life and Earth) preparatory class for "Grandes Écoles".

2015-2018

RECENT FIELD WORK

PALEONTOLOGICAL FIELD WORK, ST. HELENA (PLANNED)

August 2022

Field work on Saint Helena Island, sampling on sites known to be fossiliferous, and prospection to find new fossiliferous sediments.

PALEONTOLOGICAL FIELD WORK, QUERCY (FRANCE)

July 2021

Field work in National Natural Reserve of Geological Interest of the Lot, Causse du Quercy UNESCO World Geopark (France). Consisted in the sampling and the sieving of sediments (red clays from Phosphorites Fromations), and sorting of fossils (mainly remains of small vertebrates). Also, participation to scientific popularization to visitors.

INTERNSHIP EXPERIENCE

PHYLOGENY-MORPHOMETRICS

December 2021 - February 2022

Development of a phylogenetic penalized discriminant analysis. Supervised by Julien Clavel, Antoine Louchart and Gilles Escarguel in LEHNA, Lyon (France).

PALEOPROTEOMICS

September-November 2021

Paleoproteomic study of Lanzarote's eggshells, with identification and paleogeographic issues. Supervised by Sophie Cersoy, Séverine Zirah and Antoine Louchart in MNHN, Paris (France).

ISOTOPIC METHODS-MODELING

April-June 2020, February-June 2021

Isotopic modeling (strontium and oxygen) and isotopic chemistry (oxygen) to know whether it is possible to trace bird migrations from bones or not. Supervised by Romain Amiot, Arnould Vinçon-Laugier and Antoine Louchart in LGL, Lyon (France).

MICROTOMOGRAPHY-MORPHOMETRICS

June-July 2019

Study of the fossil skull of an owl from Mascarene Islands, using X-ray microtomography and data processors (Avizo, TPS, Past). Supervised by Antoine Louchart in LGL, Lyon (France).

COMPARATIVE ANATOMY

January 2019

Preparation and analysis of a partial fossil of bird from south-east France, using comparative anatomy and drawing assisted by a camera lucida. Supervised by Antoine Louchart in LGL, Lyon (France).

CONFERENCES-PUBLICATIONS (see below)

CONFERENCES

EvoLyon (Lyon, France, November 23th 2021)

Réunion des Sciences de la Terre (Lyon, France, November 1st - 5th 2021)

Poster: "Towards a tracking of past bird seasonal migrations through geological times: an isotopic approach".

1st virtual conference for women archaeologists and paleontologists (March 8th - 9th 2021)

Talk with visual support: "Towards a tracking of past bird seasonal migrations through geological times: what could isotopes tell us?".

PUBLICATIONS

Duhamel, A., Louchart, A. *Regard sur l'avifaune fossile de l'Oligocène du Parc du Luberon et ses implications paléobiologiques, incluant de nouvelles données fossiles. Courier scientifique du Parc naturel régional du Luberon (2021).*

Louchart, A., Duhamel, A. *A new fossil from the early Oligocene of Provence (France) increases the diversity of early Gruoidea and adds constraint on the origin of cranes (Gruidae) and limpkin (Aramidae). J Ornithol (2021). <https://doi.org/10.1007/s10336-021-01891-z>*

Duhamel, A., Hume, J.P., Guenser, P. et al. *Cranial evolution in the extinct Rodrigues Island owl *Otus murivorus* (Strigidae), associated with unexpected ecological adaptations. Sci Rep 10, 14019 (2020). <https://doi.org/10.1038/s41598-020-69868-1>*

Duhamel, A., Balme, C., Legal, S. et al. *An early Oligocene stem Galbulae (jacamars and puffbirds) from southern France, and the position of the Paleogene family Sylphornithidae. The Auk 137 (2020). <https://doi.org/10.1093/auk/ukaa023>*



<https://orcid.org/0000-0002-3642-3609>