



Fascinated by marine ecology, and particularly by the preservation of biodiversity, I began a PhD in parallel with my teaching activity at a secondary school. My research investigates the biodiversity of marine megafauna using environmental DNA.

Passionate biology teacher with over 22 years of teaching experience. I am committed to providing high-quality education to students and fostering their interest in science.

Franck PICHOT RODRIGUEZ (Corsica, FR)

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Skill Highlights

- Laboratory protocols: DNA extraction and amplification
- Bioinformatics
- Data gathering / eDNA sampling
- Data analysis
- Critical thinking
- Ecological studies
- Communication
- Time management
- Organization

Experience

2020 –Present

Marine biologist – Montpellier University, France

PhD studies in Marine Ecology: eDNA as a tool to assess and monitor the biodiversity of sharks, rays and skates at local, regional and global scales.

2001 - Present

High school teacher - Porto-Vecchio, France

- Professor of French national ministry of Education
- Referee for the “french’s agrégation” in life and earth sciences.

Additional scientific experiences

January 2000 - December 2000

Census and evolution of *Pinna Nobilis* populations in the Scandola and Port-Cros Marine protected areas.

April 1998 - October 1998

Monitoring the vitality of the gorgonian *Paramuricea Clavata*.

September 1996 – June 1997

Study on the colonization of submerged structures in the marine environment.

October 1996

Counting and measuring *Pinna Nobilis* in the Port-Cros marine protected area.

July 1996 – August 1996

Study of coral metabolism using the flow method.

Education

1998

**Master's degree of Science: Ecology
Population and Ecosystem Biology**

1996

**Bachelor's degree
Biology of Organisms and Populations**

1995

**Associate's degree
Natural and Life Sciences**

Languages

Spanish – C2

English – C1

Softwares

Word

Excel

PowerPoint

R: Statistical computing and graphics

Geneious: Bioinformatics software for
sequences data analysis

Certifications

**French professional diving
certification (CAH2B)** allowing you to
work at depths of between 0 and
50m.

Coastal boating permit.

Publications

Doctoral researcher

Dalongeville, A., Boulanger, E., Marques, V., Charbonnel, E., Hartmann, V., Santoni, M. C., Deter, J., Valentini, A., Lenfant, P., Boissery, P., Dejean, T., Velez, L., **Pichot, F.**, ... Mouillot, D. (2022). Benchmarking eleven biodiversity indicators based on environmental DNA surveys: More diverse functional traits and evolutionary lineages inside marine reserves. *Journal of Applied Ecology*, 59, 2803–2813

Faure, N., Manel, S., Macé, B., Arnal, V., Guellati, N., Holon, F. Barroil A., **Pichot F.**, ... Deter J. (2023). An environmental DNA assay for the detection of Critically Endangered angel sharks (*Squatina* spp.). *Aquatic Conservation: Marine and Freshwater Ecosystems*, 1–10.

F. Pichot, D. Mouillot, JB. Juhel, A. Dalongeville, O. Adam, ... S. Manel & J. Deter (2023 - Submission at *Biodiversity and Distributions / Under Review*). Mediterranean islands as refugia for elasmobranch and threatened fishes.

Articles

Terre Sauvage – December 2023 – We are Méditerranée studies
Sharks news – Issue 06 – June 2022

Funded grants and projects

2021 – Assessment and monitoring of elasmobranchs biodiversity at great depths in the waters of the Marine Nature Cap Corse Park.

PI: **Franck Pichot**

Amount Awarded: **€87 897,6**

Names of Funding Organization:

- **Office de l'Environnement de la Corse**
- **Parc Marin du Cap Corse et de l'Agriate**

2020 – Assessment and monitoring of elasmobranchs biodiversity in Corsican marine protected areas.

PI: **Franck Pichot**

Amount Awarded: **€65 776,4**

Names of Funding Organization:

- **Parc Marin du Cap Corse et de l'Agriate**

Conference presentations and workshops

2023 – AIZA - Asociación Española de Zoos y Acuarios
Palma de Gran Canarias (Spain).

2022 – IAC – International Aquarium Congress
Boulogne-sur-Mer (France).

SI2022 - Shark International Conference
Valencia (Spain).

2022 – AIZA - Asociación Española de Zoos y Acuarios
Barcelona (Spain).

2021 – UCA – Aquariums de France UCA-association
Boulogne-sur-Mer (France).

WMMC20 – World Marine Mammals Conference 2020
Barcelona (Spain).

Collaborations for the elasmobranchs 12S genetics database

- Oceanogràfic – Valencia (Spain).
- Musée océanographique de Monaco (Monaco)
- Nausicéa (France)
- Aquarium Finisterrae (Spain)
- Aquarium Poema del Mar (Spain)
- Musée aquarium de Liège (Belgium)
- Burgers' Zoo (Netherlands)
- Aquarium de Barcelona (Spain)
- Planet Ocean (France)
- Océanopolis (France)
- Acuario de Sevilla (Spain)
- Georgia Aquarium (USA)
- Two oceans aquarium (South Africa)