

CURRICULUM VITAE

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Education

2025 Master's Degree in Biodiversity and Evolution – Università di Bologna

2020 Bachelor's Degree in Biological Sciences – Università degli Studi di Ferrara

2017 Erasmus+ Program in Biology – Universitat de Valéncia

2014 Environmental Sciences Degree Program (attended for one year) – Università di Bologna

2013 High School Diploma in Classical and Linguistic Studies – Ruggero Settimo High School, Caltanissetta

Areas of scientific interests

I am interested in the mechanisms of organismal adaptation to the environment, in evolutionary processes, and in the demographic history of populations, with particular attention to genetics, epigenetics, population genetics, and the study of brain evolution and function.

Academic professional experience

2025 Internship - Fano Marine Center e MoZoolab – Università di Bologna

2018 Internship – Population Genetics Research Group – Università degli Studi di Ferrara

Other professional experience

2023 Museum Operator – Geological Collection, Giovanni Capellini Museum – Volo@SMA SCU Project – Università di Bologna

2019 Tutoring Activity (150 hours) – Università degli Studi di Ferrara

2018 Volunteer for Riaperture – Photography Festival, Ferrara

Other qualifications

PADI Open Water Diver Certification – in progress
Driving Licenses: A and B

Participation to research projects

2025 Master's Thesis within the project "ColdShell: Exploring the remote cold water to find out how calcifying organisms may face future climate change". Funded by the National Geographic Society and carried out at Università di Bologna.

2018 Bachelor's Thesis Internship conducted within a research project in genetics and evolution, linked to the study "Distinguishing among complex evolutionary models using unphased whole-genome data through random forest approximate Bayesian computation" (Molecular Ecology Resources, 2021). University of Ferrara.

Languages

Mother tongue Italian

Other Languages Spanish (C1); English (B2); French (basic)

Social and organizational skills and competences

Strong organizational skills and ability to work both independently and as part of a team. I have gained experience in multidisciplinary and international groups. I possess solid interpersonal skills and a marked sensitivity and empathy toward my surroundings, qualities that allow me to thrive in collaborative environments characterized by positive communication.

Technical skills and competences

Laboratory: DNA extraction and quantification, PCR, gel electrophoresis, hydrostatic weighing

Bioinformatics: sequence alignment and editing (BioEdit, Chromas, MEGA), phylogenetic analysis (MrBayes, BEAST), coalescent simulations (ms), data analysis and visualization in R

Software: R, Microsoft Office, Zotero, GIMP.

Artistic skills and competences

I am passionate about photography, documentary filmmaking, and cinema as tools for communication and awareness. I love music and played the clarinet for several years. I enjoy drawing, especially plants, and I keep a variety of succulents at home along with a small Ginkgo biloba. In my free time, I seek moments of connection with nature through hikes and long walks.