

Lapo Doni

Role: Lab technician

EDUCATION AND TRAINING

2020 – 2024

PhD in Marine Sciences and Technologies – Curriculum: Marine Ecosystem Sciences

Experimental thesis: *Global Biogeography and Ecology of Vibrio in a Warming Planet*

University of Genoa, Italy

2017 – 2019

Master's Degree cum laude in Biology – Curriculum: Molecular and Cellular Biology

Experimental thesis: *Impacts of anthropogenic pollutants on benthic bacterial communities in Mediterranean port sediments*

University of Florence, Italy

2013 – 2016

Bachelor's Degree in Biological Sciences

Experimental thesis: *Study of the effects of expression of the calcium indicator GCaMP6s in Zebrafish (Danio rerio)*

University of Florence, Italy

PROFESSIONAL HISTORY

2023 – Present

Lab Technician

Laboratory of Microbiology, Genetics and Microbial Evolution

University of Genoa, Italy

2020 – 2024

PhD Student

Research using genomic and metagenomic approaches on global marine samples, archived “Continuous Plankton Recorder” data, and target enrichment metagenomics, to study the biogeography and ecology of *Vibrio* species in the context of global warming.

Supervisors: Prof. Luigi and Prof. Jaime Martinez-Urtaza

University of Genoa, Italy, co-supervision with Autonomous University of Barcelona (Spain) and Cefas (UK).

2019 – 2020

Postgraduate Trainee

Production of polyhydroxybutyrates (PHB), a bioplastic, using wastewater-isolated *Synechocystis* sp..

Supervisors: Prof. Joan García, Dott.ssa Estel Rueda

Polytechnic University of Catalonia, Spain

2018 – 2019

Master's Degree Trainee

Evaluation of the impacts of anthropogenic pollutants on the marine benthic bacterial communities in sediments in Mediterranean tourist ports with the final aim of developing an ecological approach based on Bacteria indicators for sediment quality monitoring and remediation in ports.

Supervisors: Prof. Giorgio Mastromei and Dott.ssa Elena Tamburini
University of Cagliari and University of Florence, Italy

2015 – 2016

Bachelor's Degree Trainee

Evaluation of the impact of pan-neuronal GCaMP6s expression on zebrafish larvae viability and behavior, while developing standardized fluorescence quantification and semi-automated motility tracking to analyze swimming patterns, including speed and motion states.

Supervisor: Prof. Francesco Vanzi
University of Florence, Italy

EXPERIENCE

MAIN SEMINARS

2025 Hidden Ecology and Connectivity of *Vibrio* in the Oceans, XXIX AIOL Congress, Ancona, Italy

2023 Deciphering the Hidden Ecology of *Vibrio* in the Oceans, Cefas Conference 2023, Lowestoft, UK

2023 Long-Distance Dispersals Govern the Global Biogeography of *Vibrio* spp. in the Ocean, XXXIV SIMGBM Congress, University of Cagliari, Italy

2023 Characterization of Metagenome-Assembled Genomes from Filamentous Microbial Mats in the Faanu Mudugau Maldivian Blue Hole, 52^o SIBM Congress, Messina, Italy

2022 Metagenomic Approaches to Investigate Global Biogeography and Trans-Oceanic Dispersion of *Vibrio* Species, Cefas Science and Student Conference 2022 "Understand the Past, Predicting the Future", UK

2022 Large-Scale Impact of the 2016 Marine Heatwave on Potential Pathogenic *Vibrio* in the Great Barrier Reef (Australia), Cortona Procarioti 2022, Cortona, Italy

PRIZES AND ACCOLADES FOR SCIENTIFIC ACTIVITY, INCLUDING MEMBERSHIP OF ACADEMIES

2025 Title

GENPROBIO 2025 Award for the best work or doctoral thesis on the topic: "Microbiota: analysis of microbial and functional biodiversity aimed at understanding microorganism-host and microorganism-microorganism interactions"

SIMGBM