CURRICULUM VITAE

PERSONAL INFORMATION
Francesca Terranova | 1994 | Italy

- **EDUCATION**

03/04/2020 Master's degree in Evolution of Animal and Human Behaviour
Department of Life Sciences and Systems Biology, University of Turin, Italy
Grade:110/110 *cum laude* and publication recommended
Title of master's degree Thesis: "Identification and characteristics of Signature whistles
wild bottlenose dolphins from the Ligurian Sea."
Supervisor of master's degree Thesis: Livio Favaro

21/07/2017 Bachelor's degree in Natural and Environmental Sciences,
Department of biological, geological, and environmental sciences,
University of Catania, Italy
Grade:106/110

- **CURRENT POSITION**

01/01/2022 – 31/12/2024
PhD Student in Sustainable Development and Cooperation (SUSTNET) with research
project about Sphenisciformes conservation through Passive Acoustic Monitoring

- **PREVIOUS RESEARCH AND PROFESSIONAL POSITION(S) / PARTICIPATION TO RESEARCH GROUPS**

29/05/2023 – 31/05/2023
Teaching assistant for the Inter-disciplinary Excursion of Bachelor's degree in Natural
Science, Department of Life Sciences and Systems Biology, University of Turin, Italy
01/11/2022 – 01/01/2023
01/11/2021 – 01/01/2022
Teaching assistant for the Zoology Laboratory, Bachelor's degree in Natural Sciences,
Department of Life Sciences and Systems Biology, University of Turin, Italy
01/08/2021 – 31/10/2021
Research scholarship for a project titled "An acoustic alert system to mitigate
the effects of the feeding in net behaviour by the bottlenose dolphins",
Department of Life Sciences and Systems Biology, University of Turin, Italy
21/10/2021 – 01/11/2021
Scientific guide for the laboratory "Biomes and birds", Festival Della Scienza,
Genoa, Italy
01/07/2021 – 14/08/2021
Research assistant for monitoring marine fauna, WWF travel, Corsica & Capraia,
France & Italy
01/11/2021 – 31/07/2021
Scholarship in Digital learning, Department of Life Sciences and Systems Biology
University of Turin, Italy
01/04/2021 – 24/04/2021 Research assistant for monitoring marine fauna, WWF travel, Fiumicino,
Rome, Italy

01/03/2021 – 30/05/2021
> Teaching assistant for the Geography laboratory, Bachelor's degree in Natural Sciences, Department of Life Sciences and Systems Biology, University of Turin, Italy

01/07/2020 – 14/07/2020
> Research assistant for monitoring marine fauna, WWF travel, Tuscany archipelago Italy

24/10/2019 – 04/11/2019
> Scientific guide for the laboratory "Back to Jurassic": Festival Della Scienza, Genoa, Italy

01/07/2018 – 01/10/2018; 01/05/2019 – 01/08/2019
> Internship in Bioacoustics: vocal communication of bottlenose dolphins, Acquario di Genova, Genova, Italy

01/09/2015 – 15/12/2015
> Internship in Cetaceans and marine litter monitoring through KETOS scientific association, University of Catania, Italy

● **PUBLICATIONS**

- Baciadonna L, Solvi C, Terranova F, Godi C, Pilenga C, Favaro L. African penguins utilize their ventral dot patterns for individual recognition. Animal Behaviour [Internet]. 2024 Jan;207:13–21. Available from: http://dx.doi.org/10.1016/j.anbehav.2023.10.005
- Feist F, Terranova F, Petersen GS, Tourtigues E, Friard O, Gamba M, et al. Effect of Environmental Variables on African Penguin Vocal Activity: Implications for Acoustic Censusing. Biology. 2023 Aug 31;12(9):1191. http://dx.doi.org/10.3390/biology12091191
- Terranova F, Baciadonna L, Maccarone C, Isaja V, Gamba M, Favro L. (2023) Penguins perceive variations of source- and filter-related vocal parameters of species-specific vocalisations. Animal Cognition. https://doi.org/10.1007/s10071-023-01806-w
- Terranova F, Raffa A, Floridia S, Monaco C, Favaro L. (2022) Vocal Behaviour of a Bottlenose Dolphin Pod during a Deadly Bycatch Event in the Gulf of Catania, Ionian Sea. Journal of Marine Science and Engineering. 2022; 10(5):616. https://doi.org/10.1080/24750263.2021.1936225
- Terranova F, Gnone G, Friard O, Bellingeri M, Giacoma C & Favaro L. (2021). Signature whistles of the demographic unit of bottlenose dolphins (*Tursiops truncatus*) inhabiting the Eastern Ligurian Sea: characterisation and comparison with the literature, The European Zoological Journal, 88:1, 771-781. https://doi.org/10.1080/24750263.2021.1936225

● **PRESENTATION OF PAPERS, POSTER, GIVEN SPEECHES AT CONFERENCES AND SEMINARS**

16/08/2023   Talk: "Passive Acoustic Monitoring of a mainland African penguin colony using Autonomous Recording Units", Behaviour Conference, Bielefeld, Germany

28-30/06/2023 Talk: "Investigating pitch-size cross-modal correspondence in African penguins (*Spheniscus demersus*)" Emerging Bioacousticians Days, Saint Etienne, France

18,25/05/2023 Seminar for the Professione Whale Watcher Course, titled "Acoustic monitoring techniques", EIIS European Institute of Innovation for Sustainability

6-7/11/2021   Talk: "*Signature whistles of the bottlenose dolphins inhabiting the Ligurian sea*" 7th European Student Conference on Behaviour & Cognition, Budapest, Hungary

01/04/2021   Seminar for the Whale Watching Guide Course, titled "Acoustic monitoring techniques", WWF Italy, Italy

04/02/2020   Talk: Signature whistles of Ligurian dolphins, BAR-LA-MARE (Bio-Acoustic Research to Learn About the MARine Environment), Centre for Maritime Research and E Experimentation (NATO's Science and Technology Organization), La Spezia, Italy.

11/12/2020 Seminar for the Marine Fauna Conservation course, "Bioacoustics for conservation: the case study of the Ligurian dolphins." Master of Science Environmental Biology, Department of Life Sciences and Systems Biology, University of Turin, Italy

9-12/12/2019 Poster presentation: "Identification and characteristics of Signature whistles in wild bottlenose dolphins from the Ligurian Sea", World Marine Mammal Conference 2019, Spain

- **LANGUAGE SKILLS**

Native speaker: **Italian**
English, level of competence C1
French, level of competence A2

- **SOFT SKILLS**

Communication skills,
- Festival Della Scienza, Genoa. I did different scientific talks, speaking with people of all ages. I adapted my language to be clear for everyone (21/10/2021 – 1/11/2021; 24/10/2019 – 4/11/2019)
- World Marine Mammal Conference, where I talked of my research to researchers from all over the World, with many confrontations (9-12/12/2019).

Organisational/managerial skills
- Thesis co-supervisor of Thesis students (for Bachelor's degree in Natural Sciences and Bachelor's degree in Biology, Master's degree in Evolution of Animal and Human Behaviour 2021/2022).
- Scholarship in Digital learning, Department of Life Sciences and Systems Biology, University of Turin: I was the only person in charge, I had managed many situations linked to informatics problems. I followed all teachers of the Department (more than 300), developing conference series to improve their digital skills (01/11/2021 – 31/07/2021)
- Co-reviewer for journal "Philosophical Transactions of the Royal Society B", Peerj, Scientific Reports

Autonomous work/Teamwork abilities
- Data collection of African penguin vocalisations, South Africa, 07/02/2023 – 07/05/2024. I was on charge to collect data about African penguins of the mainland colony in Stony point Nature reserve.
- Research assistant for marine fauna data collection: I was the only scientific manager on the boat (without wi-fi or mobile phone), I had managed many difficult situations that I solved with creative solutions, WWF travel (1/07/2021 – 14/08/2021; 1/04/2021 – 24/04/2021; 01/07/2020 – 14/07/2020)
- Research Scholarship for the project "An acoustic alert system to mitigate the effects of the feeding in net behaviour by the bottlenose dolphins", Department of Life Sciences and Systems Biology, University of Turin: here I developed the monitoring protocol and managed acoustic data collection. At the same time, I collaborated with other researchers to collect data from fishing boats, and I supervised five thesis students for the project's data collection (1/08/2021 – 31/10/2021).

Digital skills
Proficient user of the following programs:
- PRAAT, Raven, Audacity, Avisoft for acoustics analysis
- R & R studio, SPSS for statistical analysis, Python
- QGIS, Adobe photoshop, Adobe Lightroom, Microsoft package and Google Suite