

CURRICULUM VITAE

Lorenzo Latini



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QUALIFICATION

- 10/2020-Ongoing **PhD in Ecology and Sustainable Management of Environmental Resources.**
Tuscia University (Italy), Stazione Zoologia Anton Dohrn Napoli (Italy).
Title of the project: *Promoting phenotypic plasticity to improve aquaculture and conservation practices of European lobster (Homarus gammarus)*.
Supervisors: Daniele Canestrelli and Claudio Carere (UNITUS), Claudia Gili (SZN).
By studying the effects of exposing juveniles European lobsters to different rearing conditions, I analyzed how phenotypic plasticity in functional traits responds to various environmental stimuli, with potential implications for the success of conservation programs.
Main subjects: phenotypic plasticity, phenotypic variability, animal behaviour, animal welfare, conservation, experimental aquaculture.
- 10/2017-10/2019 **Master's Degree in Marine ecology and biology (MScs), 110/110L.**
Tuscia University (Italy).
Supervisor: Daniele Canestrelli.
Thesis title: *The role of interindividual differences in the historical dispersion process of the Tyrrhenian tree frog (Hyla sarda)*.
Master dissertation on population dynamics with a focus on dispersal processes and range expansions. I studied how phenotypic (behavioural and morphological) differences among individuals affect dispersal processes along a range expansion front.
- 10/2013-02/2017 **Bachelor's degree in Biological Science, 101/110.** Tuscia University (Italy).
Thesis title: *The role of behavioral polymorphisms in dispersion processes*.
- 07/2013 **Scientific high school degree,** Paolo Ruffini High School (Italy).

ABROAD EXPERIENCE

- 09/2018-02/2019 **Erasmus Project – Unviersidade do Algarve, Faro (Portugal).**
- 09/2015-02/2016 **Erasmus Project – Universitat Politecnica de Valencia, Valencia (Spain).**

PROFESSIONAL ACTIVITIES

- 01/2022-01/2023 **Tutor for academic guidance at the Department of Ecological and Biological Sciences of Tuscia University.**
- 06/2020-09/2020 **Working Experience** (grant attributed by regional authority DiSco Regione Lazio, “Torno Subito” Project, 2° phase) – **Centro Ittiogenico Sperimentale Marino (CISMAR), Tarquinia (Italy).**
Carried out activities: Maintenance and setup of recirculating aquaculture systems (RAS) for the breeding of marine species with a focus on the European lobster; data collection and analysis; preparation of technical reports, scientific communication, and dissemination; support for educational activities for first and second-level university students.

Working Experience (grant attributed by regional authority DiSco Regione Lazio, “Torno Subito” Project, 1° phase) – **Australian Institute of Marine Science (AIMS), Townsville (Australia)**. Participant in the Assisted evolution – Hybridization project, coordinated by Professor Madeleine van Oppen. Carried out activities: In vitro hybridization of multiple pairs of coral species during the annual coral spawning. Exposition of purebred and hybrid offspring to sublethal stress under controlled conditions. Assessment of survival and growth rates of hybrid and purebred offspring under both ambient and elevated conditions.

03/2019-09/2019 **Internship – Centro Ittiogenico Sperimentale Marino (CISMAR), Tarquinia (Italy)**. Carried out activities: European lobster breeding and restocking activities. Tree frog (*Hyla sarda*) sampling activities on the Sardinia-Corsica islands during the period of June/July 2019. Conduction of behavioural tests.

06/2017-09/2017 **Extracurricular Internship (Erasmus+ Project) – Centre d’Estudis Avancats de Blanes (CEAB), Blanes (Spain)**. Participant at Life+ “Limnopirineus” project, the main goal of this project was to restore targeted aquatic habitats in the Aiguestortes i Estany de Sant Maurici National Park (Spain). My internship was coordinated by Dr. Marc Ventura Oller. Carried out activities: fish eradication tasks, including training in gillnet, fyke net and electrofishing activities, fish manipulation tasks, high mountain lake and river biodiversity assessment, including sampling of planktonic, benthic and littoral organisms.

PARTECIPATION IN INTERNETIONAL CONFERENCES

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| 08/02-10/02/2023 | Behavioural Ecology Meeting. Unipd, Chioggia, Italy.
Talk: <i>Early-life environment affects growth and development of ecologically relevant behaviors in juvenile European lobsters (Homarus gammarus)</i> . |
| 03/02-04/02/2023 | Le sfide dell’etologia applicata nell’Antropocene. UniFi, Firenze, Italy. |
| 27/09-30/09/2022 | European Aquaculture Society meeting. Rimini, Italy.
Poster: <i>Non-Invasive genetic tagging of European Lobster juveniles for stock enhancement programs</i> . |
| 11/05-13/05/2022 | The VI European Lobster Centre of Excellence Meeting. Padstow, Cornwall, UK.
Talk: <i>Promoting phenotypic plasticity to improve aquaculture and conservation practices of European lobster (Homarus gammarus)</i> . |
| 15/12/2021 | Seminar at Stazione Zoologica Anton Dohrn Napoli, Italy.
Talk: <i>Implications of phenotypic plasticity for stock enhancement purposes: the case of the European lobster (Homarus gammarus)</i> |
| 08/09-12/09/2021 | <i>Personality and evolution in animals and humans</i> . International School of Ethology “Danilo Mainardi”, Erice, Italy. |
| 16/12/2019 | The Protection Paradox and Climate Resilience within Marine Reserves. Australian Institute of Marine Science (AIMS), Townsville (Australia). |
| 30/01/2019 | Animal Personality: how and why individuals matter. CCMAR, Faro (Portugal). |

TRAINING COURSES

22/04/2021	Immersion in Molecular Ecology. <i>Stazione Zoologica 'Anton Dohrn' Napoli</i>
08/05 – 10/05/2021	Experimental design. <i>Stazione Zoologica 'Anton Dohrn' Napoli</i>
05/07-07/07/2021	Theory and practice of scientific research communication. <i>Tuscia University</i>
14/08/2021	Use of live animals for scientific purposes: ethics, animal welfare, requirements & management. <i>Stazione Zoologica 'Anton Dohrn' Napoli</i>
27/10-29/10/2021	Green Chemistry. <i>Tuscia University</i>
06/2022	Basic statistics and Advanced statistics with R. <i>Tuscia University</i>
11/11-12/11/2022	Evaluating the impact Nature-Based Solution: assessment framework and relevant indicators. <i>Tuscia University</i>

SCIENTIFIC PUBLICATIONS

Latini L, Nascetti G, Grignani G, Bello E, Polverino G, Canestrelli D, Carere C (2023). Limited holding space reduces growth and behavioural performance in juvenile European lobsters. *Applied Animal Behaviour Science* 266 (2023) 106013. 10.1016/j.applanim.2023.106013

LANGUAGES

Italian	Native
English	Fluent
Spanish	Fluent
Portuguese	Basic

TECHNICAL SKILLS

Excellent PC skills and a very good knowledge of standard MS Office applications. Good knowledge for graphic editing programs (Adobe Photoshop, PhotoScape) and for statistic software (SPSS, R).

Tanks and aquaculture plants maintenance. Management of the breeding, raising, and harvesting of fish and shellfish for scientific purposes in marine or freshwater farms. Water quality management. Basic mechanical skills, ability to maintain equipment on farms including repairing broken lines.

Laboratory skills (DNA extraction and purification, PCR, electrophoresis, centrifugation and fluorometry) and field experience.

PERSONAL SKILLS

Excellent relational and organizational skills and aptitude for integrating in new environments and groups. High motivated and adaptable to different conditions. Humble, responsible, ambitious with a strong work ethic and good problem-solving and communication skills.

PATENTS AND LICENCES

2020	Advanced Open Water Diver, PADI (James Cook University)
2013	Driving licence A1, B

SCHOLARSHIPS & AWARDS

2017/2018	Scholarship by DiSCo Lazio.
2018/2019	Scholarship by DiSCo Lazio.
2019/2020	Scholarship for the project “Torno Subito 19/20” (by Regione Lazio). Project proposal title: “ <i>Interspecific hybridisation as tool for the ecosystems restoration</i> ”.
2022/2023	Scholarship by Tuscia University for academic guidance at the Department of Ecological and Biological sciences.
01/11/2020 – 31/10/2023	Doctoral fellowship between Tuscia University and Stazione Zoologica ‘Anton Dohrn’ Napoli.

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