

## Marianna De Luca



Born in Torre del Greco (NA) Italy on 25/09/1993

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**Current Position:** Post Doc Fellow

**Current Affiliation:** Department of Biology and Evolution of Marine Organisms (BEOM), Stazione Zoologica Anton Dohrn, Villa Comunale, 80121 Naples, Italy

**Supervisor:** Giovanna Ponte

### **Education/Training/Experience**

<b>Institute and Location</b>	<b>Degree / Function</b>	<b>Year</b>	<b>Field of Study</b>
Università degli studi della Tuscia – Viterbo (Italy)	Bachelor's degree	2012-2017	Environmental Science
Università degli studi della Tuscia – Viterbo (Italy)	Master's degree	2017-2020	Marine Biology and Ecology
Saline di Tarquinia - Viterbo (Italy)	Internship	2019	Marine animal breeding techniques
Association for Cephalopod Research "Cephres" - Napoli (Italy)	Apprenticeship	2020	Animal caretaker
Università di Trieste	PhD	2021-2025	Neuroscience and Cognitive Science
Stazione Zoologica Anton Dohrn – (SZN) BEOM Department - Napoli (Italy)	Post doc fellowship	Sept-Nov 2025	Physiological response to stress and related biological plasticity in octopus
Stazione Zoologica Anton Dohrn – (SZN) BEOM Department - Napoli (Italy)	Post doc fellowship	Dec 2025 - present	Octopus cell culture and characterization

### **Conferences**

- 15/11/2025 – 19/11/2025 San Diego Convention Center - San Diego, USA  
**Neuroscience 2025 - Society for Neuroscience**  
Poster presentation: “*Characterize Visual Evoked Potentials (VEPs) and Resting State Potentials (RSPs) of the Optic Lobe (OL) and Supraoesophageal Mass (SEM) Non-Invasively in Lightly-Sedated Octopus vulgaris*” (De Luca M., Schmidt J., Chiandetti C., Edelman D., Ponte G., Fiorito G., 2025)
- 25/10/2025 – 01/11/2025 Okinawa, Japan  
**Cephalopod International Advisory Council 2025 (CIAC 2025)**

Oral presentation: “Frequency domain characterizing ‘EEG-like’ signature in *Octopus vulgaris*” (De Luca M., 2025)

Poster presentation: “Exploring humane slaughtering method in cephalopods” (De Luca M., Schmidt J., Grimsbø E., Chiandetti C., Ponte G., Fiorito G., 2025)

- 17/07/2025 – 18/07/2025 Rovereto (TN), Italy  
**CogEvo 2025 - Workshop on Cognition and Evolution**  
Poster presentation: “Frequency domain characterizing ‘EEG-like’ signature in *Octopus vulgaris*” (De Luca M., Schmidt J., Zheng W., Chiandetti C., Ponte G., Fiorito G., 2025)
- 14/09/2023 – 17/09/2023 Centro congressi Lingotto - Torino, Italy  
**SINS 2023 - National Congress of the Italian Society for Neuroscience**  
Poster presentation: “The *Octopus vulgaris* ‘case’: exploring neural hallmarks for consciousness” (De Luca M., Schmidt J., Chiandetti C., Edelman D., Ponte G., Fiorito G., 2023)
- 06/07/2023 – 07/07/2023 Rovereto (TN), Italy  
**CogEvo 2023 - Workshop on Cognition and Evolution**  
Poster presentation: “The search of neural correlates of conscious states in cephalopod molluscs” (De Luca M., Schmidt J., Ponte G., Fiorito G., Chiandetti C., 2023)
- 07/07/2022 – 10/07/2022 Trieste, Italy  
**22nd Scientific Conference of the Society for Gestalt Theory and its Applications**  
Poster presentation: “Exploring consciousness in cephalopod molluscs: from practical applications to behavioral indicators” (De Luca M., 2022)

## **Honours and awards**

- 18/07/2025 **Abstract Award** – Organizing committee of CogEvo 2025

Abstract for poster presentation during CogEvo 2025 - Workshop on Cognition and Evolution (Rovereto - TN, 2025) was recognized as one of the best and awarded by the scientific committee.

- 17/09/2023 **Best Poster Award** – Italian Society for Neuroscience (SINS)

Poster presented during 20th National Congress of the Italian Society for Neuroscience (Turin, 2023) “The *Octopus vulgaris* ‘case’: exploring neural hallmarks for consciousness” was recognized as outstanding and has been selected as one of the recipients of the “Best Poster Award”.

## **Publications**

Ponte, G., Roumbedakis, K., COST Action FA1301, Galligioni, V., Dickel, L., Bellanger, C., ... & Fiorito, G. (2023). General and species-specific recommendations for minimal requirements for the use of cephalopods in scientific research. *Laboratory Animals*, 57(1), 26-39;  
DOI: [10.1177/00236772221111261](https://doi.org/10.1177/00236772221111261)