



Curriculum Vitae - Anna Di Cosmo

**Full Professor of Zoology, Department of Biology. University of Naples “Federico II”,
Complesso Monte S. Angelo, Via Cinthia, 80126, Napoli - Italy**

Education and training

- Bachelor in Biological Sciences, University of Naples “Federico II”
- Specialization in Microbiology, at the Faculty of Medicine, Università di Napoli Federico II
- Training in Immunohistochemistry London at the Hammersmith Hospital. Pearce’s Group

Academic Position

- **Full Professor of Zoology**, University of Naples “Federico II”

Professional experience

- **Visiting researcher:** Centre for Molecular Biology and Neuroscience (CMBN) & Department of Anatomy, Institute of Basic Medical Sciences (IMB) University of Oslo Lab Group Jon Storm-Mathisen (1996).
- **Visiting researcher:** Centro Oceanográfico de Vigo (IEO) Vigo, Spain , Lab Group Dott. Jose Iglesias Estevez (2000-2002)
- **Visiting professor:** University Lancashire, Department of Biology, Lab Group Prof. William Winlow (2004)
- **Visiting professor** Veterinary School University Liverpool, Lab Group Prof. Richard Morris (2005)
- **Visiting professor** University Kuopio Finland, Lab Group Dott. Japo Jussila (2007)
- **Visiting professor** Dept. Cell Biology & Anatomy Cumming School of Medicine University of Calgary Lab Group Prof. Naweel Syed (2009)
- **Visiting professor** University of Florida – department of neuroscience , College medicine – The Whitney Laboratory for marine Bioscience , St. Augustine, FL Group Prof. Leonid Moroz (2016)



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Recent Book

Educational activities

- ☐ **Teaching Università di Napoli, FedericoII**
- ☐ Zoology, Marine Biodiversity, Ethology Biomonitoring, Biosensors, Parasitology, Protozoology, Microbiology, Aquaculture.
- ☐ **Course for graduate and PhD students**
Language: Italian and English
- ☐ **Scuola di specializzazione in “Scienza e Medicina degli Animali da Laboratorio”**

Mentoring

- ☐ **Mentor to Postdoctoral fellows:**
 - 2001-2004 Di Cristo Carlo- Current position: Assistant Professor, University of Sannio Benevento
 - 2009-2013 Troncone Luca
 - 2014- 2016 Bertapelle Carla

Tutor of PhD Thesis

- ☐ 2020-today Heethaka Krishantha Sameera De Zoysa (Zoology)
- ☐ 2018-2021 Alsayed Alsoudy Mohamed Mostafa (Zoology)
- ☐ 1997-2000 Di Cristo Carlo (Marine Zoology)
- ☐ 2005-2008 De Lisa Emilia (Marine Zoology)
- ☐ 2011-2015 Bertapelle Carla (Behavior of marine organisms- Cephalopods)
- ☐ 2012-2016 Campoli Ludovica (Meiofaunal communities)
- ☐ 2018 -2021 Al Sayed Al Soudy (Behavior of marine organisms- Cephalopods)

Thesis/Advisor to undergraduate students:

> 100 undergraduates students (the list can be supplied on a request)

Academic Committees

- ☐ **University of Sannio, Benevento, Italy - 2001-2005 Faculty member**
- ☐ **University of Napoli Federico II, Napoli, Italy - Faculty member**
- ☐ **2010-present Member of University Ethical Committee Expertise Cephalopods**



UNIVERSITÀ DEGLI STUDI DI NAPOLI FEDERICO II
Scuola Politecnica e delle Scienze di Base
Dipartimento di Biologia



- ☐ 2016-2018 **Scientific Director of Zoological Museum** of The Università degli Studi di Napoli Federico II
- ☐ 2016- present **Coordinator of Master's Degree in Course in Biology and Ecology of the Marine Environment and Sustainable Use of Marine Resources**
- ☐ 2017 – present **Member of Doctoral Committee in Biology – Università degli Studi di Napoli Federico II**

Editorial activities

- ☐ Associate Editor for Animals - (ISSN 2076-2615) MDPI
- ☐ Co-Guest Editor of special issue “Invertebrate welfare” - Animals MDPI
- ☐ Associate Editor for Biology - MDPI
- ☐ Associate Editor for Frontiers in physiology – Aquatic Physiology Marine Science
- ☐ Editor of “Neuroecology and Neuroethology in Molluscs
- ☐ The interface between Behaviour and Environment”
- ☐ Marine Biology, Published by Nova Science Publishers, Inc. New York (2014)
- ☐ Review Editor of Frontiers in Experimental Endocrinology
- ☐ Managing Editor of a special issue of the journal “Frontiers in Bioscience” entitled “Brain plasticity in non-vertebrate animals”- (2006-20010)

Ad hoc referee of several international peer-reviewed journals:

The Journal of Comparative Neurology, Peptides, Journal of Zoology, Aquaculture, Molecular Reproduction and Development, Journal of Invertebrate Biology, European Journal of Neurochemistry, The Journal of Experimental Biology, Invertebrate Reproduction and Development, Scientia Marina., Aquaculture

Grant Reviewer:

- ☐ 2013 FIRB- Italian Education Ministry
- ☐ 2015 ACHN OCTOCON DocSci.; ACHN, BUILDING THE EUROPEAN RESEARCH AREA (ERA) AND FRANCE'S INTERNATIONAL ATTRACTIVENESS
- ☐ 2015 CIG ZCA161BF8E –TIS innovation park- Italiand Science Foundation
- ☐ 2022 Natural Science and Engineering Research Council of Canada (NSERC'S), Project: Z-N-1502

Research support

- ☐ 2022 - Progetto CRIMAC in collaborazione con Stazione Zoologica Anton Dohrn Calabria “Blue Economy of Calabrian coasts: biocoenotic characterization, analyses and exploitation of innovative aquaculture productions” BluCaProd- contributing scientist - Partner 3 PI– finanziamento europeo- 200 k€;
- ☐ 2022 – Principal investigator - Feamp Po Feamp Italia 2014/2020^[1,2] “Interventi di promozione e innovazione per la pesca sostenibile nel medio Adriatico” Contributo 840.000,00 €^[1,2]



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- Principal investigator - FEAMP "Piano di gestione della pesca al polpo" in collaborazione con la Stazione Zoologica Azione 1.6.1. e 1.6.2., finanziamento europeo-100 k€;
- 2022 – Principal investigator- FEAMP 2014/2020 - MISURA 1.40 - Protezione e ripristino della biodiversità e degli ecosistemi marini e dei regimi di compensazione nell'ambito di attività di pesca sostenibili
- 2018 – Principal investigator - Istituto Gemmologico Italiano "Identificazione Tassonomica Di Esemplari Di Corallo Prezioso, Perle E Gemme Biogene Con Un Approccio Molecolare" ruolo PI, 100.00 0€ 2018
- 2018 – Principal investigator – ahra Institute for Pearls & Gemstones (DANAT) "TAXONOMIC IDENTIFICATION OF SPECIMENS OF PRECIOUS CORAL, PEARLS AND BIOGENIC GEMS WITH A MOLECULAR APPROACH" ruolo PI , finanziamento 3500.000€
- 2016 - Responsabile del progetto dal titolo: "Valutazione dell'efficacia di anestetici volatili e non, di sedativi e di analgesici nell'indurre anestesia chimica e analgesia in *Octopus vulgaris*" Autorizzato il: 17/06/2016 -Numero autorizzazione: 608/2016-PR
- 2009 - Scientific Coordinator "The mechanism whereby Ca^{2+} signalling promotes axonal regrowth" – Compagnia di S. Paolo–Neuroscience program. Current
- 2009 - Local Coordinator of research program - First-year national program of fisheries and aquaculture 2007-2009 (MIPAF)-Monitoring of marine ecosystems using bivalve molluscs as indicators of water pollution aimed at the safety of production.
- 2008 - Co-Scientific Coordinator A. Di Cosmo, Moroz L.L. Whitheney University, Florida "Neuronal Transcriptome from *Octopus vulgaris*." Research Project Funded by the Province of Benevento and the University of Naples Federico II for a period of four years (€ 25,000.00)
- 2007 - International Coordinator together with Prof. Lisa Hall, University of Cambridge, of a project entitled "Development of new remotely controlled biosensors for water monitoring" funded by Provincia of Benevento for the period 2007-2008.
- 2005 - Scientific Coordinator of a research program supported by the Regione Campania (LR 5, ex 41/94), entitled: "Fertilisation in *Octopus vulgaris*: oocyte maturation and chemical communication between sperms and eggs.
- 2003 - International Coordinator of a Basic Research Program (FIRB), entitled "The cerebellum and movement control in *Octopus vulgaris*" funded by Ministry of the University and Research for the period 2003-2007.
- 2002 - Scientific Coordinator of a research program supported by the Regione Campania (LR 41/94), entitled: "Development of an integrated aquaculture system for marine and freshwater species.
- 2002 - National Coordinator of a Research Program of National Relevant Interest (PRIN 2002-2004, Ministry of the University and Research), entitled: "Neurosteroids in the nervous system of cephalopods: occurrence, oxidative and nitrosative modifications and functions" (150.000,00 €).
- 2000 - Local Coordinator of a Research Program of National Relevant Interest (PRIN 2000-2002, Ministry of the University and Research), entitled: "Progesterone receptor: a hint for parallel evolution?"(100.000,00 €)

Scientific societies affiliations memberships:



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- ☐ Italian Society of Zoology (UZI) and elected member to represent the Association in the National project SPERA “Sperimentare per Curare” dedicated to animal welfare in experimentation
- ☐ ESMB European Society of Marine Biotechnology
- ☐ ESCE European Society of Comparative Endocrinology
- ☐ CIAC Cephalopod International Advisory Council

Resource person for the National/International Discussion/Public Talks

- ☐ Resource person for the talk organised by Research4Life on Invertebrates animal senienza of cephalopods and decapods “Ancora a proposito di invertebrati e senienza” 2nd Septemeber 2022. (<https://www.research4life.it/ancora-a-proposito-di-invertebrati-e-senzienza/>)

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