

# Curriculum vitae

## Giulia Chemello

### Research activity

#### Research Focus:

My current research interests revolve around the reproductive biology, embryonic development, and welfare of marine species. Specifically, I am studying the reproductive physiology of some key species in the Mediterranean Sea, including the European sardine (*Sardina pilchardus*), the Atlantic Blue fin tuna (*Thunnus thynnus*) and swordfish (*Xiphias gladius*). Concurrently, I'm investigating the reproduction and embryonic development of the common cuttlefish (*Sepia officinalis*), and the loggerhead sea turtle (*Caretta caretta*). I am interested in understanding the effects of climate changes, anthropogenic activities and pollution (with a focus on microplastics) on the reproductive performance, embryos development and health status of these species. My multidisciplinary approach encompasses histological analysis, immunohistochemistry, molecular biology, enzymatic activity assessment, and FTIR micro spectroscopy.

#### Ph.D. Research:

During my Ph.D., I explored the innovative and safe applications of nanotechnology in aquaculture. This involved investigating antibiotic administration, water and organic compound treatments, and disease vector (e.g., the yellow fever mosquito *Aedes aegypti*) proliferation control. Employing an interdisciplinary approach, I conducted molecular, chemical, and microscopy analyses to assess the effects of two different nanotechnologies on fish health, growth, and reproduction (specifically, oocyte maturation), utilizing zebrafish and seabream as experimental models.

### Work experience

**1<sup>st</sup> January  
2023-  
ongoing**

**Research fellowship (assegno di ricerca)** at the Department of Life and Environmental Sciences, Polytechnic University of Marche, Ancona, Italy.

Project title: Valutazione degli effetti combinati della variazione della temperatura e presenza di microplastiche sullo sviluppo di embrioni di tartaruga comune (*Caretta caretta*).

Supervisor: Prof. Giorgia Gioacchini and Oliana Carnevali

**1<sup>st</sup> June 2021-  
31<sup>st</sup> May 2022**

**Research fellowship (borsa di studio)** at the Department of Life and Environmental Sciences, Polytechnic University of Marche, Ancona, Italy.

Project title: "Valutazione della qualità di embrioni e dei processi di sviluppo e schiusa della seppia *officinalis* allevata in condizioni di laboratorio"

Supervisor: Prof. Giorgia Gioacchini

**1<sup>st</sup> December  
2020- 31<sup>st</sup> May  
2021**

**Research fellowship (assegno di ricerca)** at the Department of Life and Environmental Sciences, Polytechnic University of Marche, Ancona, Italy.

Project title: "Innovative Approaches For Sustainable And Circular Horticulture In Aquaponic Systems"

Supervisor: Prof. Ike Olivotto

**25<sup>th</sup> May 2020-  
31<sup>st</sup> August 2020**

**Research fellowship (borsa di studio)** within the "Fine Feed for Fish" project (granted by the Consortium of Italian Banks Foundations, AGER) at the Department of Agricultural, Forest and Food Science, University of Turin, Grugliasco (TO) Italy.

Supervisor: Prof. Laura Gasco

**1<sup>st</sup> April 2019-  
31<sup>st</sup> March 2020**

**Research fellowship (assegno di ricerca)** at the Department of Agricultural, Forest and Food Science, Grugliasco (TO) Italy, University of Turin, Grugliasco (TO) Italy.

Project title: "Analisi comparativa dell'espressione genica di trota iridea (*Oncorhynchus mykiss*) esposta a stress ossidativo indotto da pH e antibiotici in differenti formulazioni nutrizionali"

Supervisor: Prof. Alfredo Pauciullo

**1<sup>st</sup> June 2018-  
31<sup>st</sup> March 2019**

**Research fellowship (borsa di studio)** within the “Fine Feed for Fish” project (granted by the Consortium of Italian Banks Foundations, AGER), at the Department of Agricultural, Forest and Food Science, University of Turin, Grugliasco (TO) Italy.  
Supervisor: Prof. Laura Gasco

**1<sup>st</sup> November  
2014-  
22<sup>nd</sup> February  
2018**

**Ph.D. in Marine Biology and Ecology** at the Laboratory of Developmental Biology and Reproduction, Department of Life and Environmental Sciences, Polytechnic University of Marche, Ancona, Italy.  
Ph.D. project co-financed by Biotechnologie BT (Pantalla di Todi, Perugia, Italy).  
Supervisor: Prof. Ike Olivotto  
Co-supervisor: Prof. Giuseppe Radaelli  
Title: “Application of nanotechnologies in aquaculture”

## Education

**6<sup>th</sup> March 2013**

**Master’s Degree in Marine Biology** at the Department of Marine Biology in Chioggia (VE), University of Padua, Italy; final mark: 110/110 cum laude.  
Master thesis: “Combined effects of seawater acidification and diclofenac in the clam *Ruditapes philippinarum*.”  
Period: 10 months at the laboratory of the “Hydrobiological Station Umberto D’Ancona” at the Department of Marine Biology in Chioggia (VE), Italy.  
Thesis supervisor: Prof. Maria Gabriella Marin.

**24<sup>th</sup> November  
2010**

**Bachelor’s Degree in Biology** Department of Biology “A. Vallisneri” in Padua, University of Padua, Italy; final mark: 99/110.  
Bachelor thesis: “The phenomenon of mucilage in the Mediterranean Sea.”  
Thesis supervisor: Dr. Isabella Moro, University of Padua.

**7<sup>th</sup> July 2007**

**High school diploma**, “Liceo Scientifico J. Da Ponte”, Bassano Del Grappa, Italy.  
Final mark: 91/100.

## Laboratory experience

### Analytical skills

- RNA and DNA extraction
- Electrophoresis of DNA/RNA/protein
- cDNA synthesis
- Real-time PCR
- Immunohistochemistry
- MPs extraction and quantification analysis
- Confocal microscope
- Light/stereo microscopy
- Oocyte *in vitro* maturation
- Ex vivo* liver culture
- Histological analysis
- Microbiological cultures
- Growth and digestibility trial
- Experimental design
- Sampling procedures
- Data analysis
- Statistical analysis
- Paper/report preparation
- Experimental design

### Other skills

I have acquired strong skills in the maintenance and reproduction of model species such as sea urchins, rainbow trout, zebrafish, and seabream. Additionally, I have gained considerable experience in handling cuttlefish (both adults and embryos) in closed experimental and maintenance tanks.

## Computer skills

### Software and programs

Knowledge of Windows OS, Microsoft Office Suite, ImageJ, GenBank, Graphpad, Biorad CFX manager (for analyzing qPCR results), IBM SPSS Statistics 20, BORIS v. 7.8.

## Languages

**Mother tongue** Italian

**Other languages** English (CAE certificate, level B2)

## Publications

**Chemello, G.**, De Santis, L. J., Trotta, E., Zarantoniello, M., Santoni, C., Maradonna, F., ... & Gioacchini, G. (2024). Revealing Spermatogenesis in Smooth-Hound Sharks *Mustelus mustelus*: Insights into the Morphological and Macromolecular Composition of Spermatogenic Cells. *International Journal of Molecular Sciences*, 25(11), 6230.

Lombó, M., Giommi, C., Zarantoniello, M., & **Chemello, G.** (2024). A Pretty Kettle of Fish: A Review on the Current Challenges in Mediterranean Teleost Reproduction. *Animals*, 14(11), 1597.

Giommi, C., Lombó, M., Habibi, H. R., Rossi, G., Basili, D., Mangiaterra, S., Ladisa C., **Chemello G.**, Carnevali O. & Maradonna, F. (2024). The probiotic SLAB51 as agent to counteract BPA toxicity on zebrafish gut microbiota-liver-brain axis. *Science of the Total Environment*, 912, 169303.

Cattaneo, N., Zarantoniello, M., Conti, F., Frontini, A., **Chemello, G.**, Dimichino, B., ... & Olivotto, I. (2023). Dietary Microplastic Administration during Zebrafish (*Danio rerio*) Development: A Comprehensive and Comparative Study between Larval and Juvenile Stages. *Animals*, 13(14), 2256.

Zarantoniello, M., Randazzo, B., Cardinaletti, G., Truzzi, C., **Chemello, G.**, Riolo, P., & Olivotto, I. (2021). Possible dietary effects of insect-based diets across zebrafish (*Danio rerio*) generations: A multidisciplinary study on the larval phase. *Animals*, 11(3), 751.

**Chemello, G.**, Trotta, E., Notarstefano, V., Papetti, L., Di Renzo, L., Matiddi, M., ... & Gioacchini, G. (2023). Microplastics evidence in yolk and liver of loggerhead sea turtles (*Caretta caretta*), a pilot study. *Environmental Pollution*, 337, 122589.

**Chemello, G.**, Cerrone, G. L., Tavalazzi, V., Donato, F., Tiralongo, F., & Gioacchini, G. (2023). One year study on the reproductive biology, ovary characterization and age of the European sardine (*Sardina pilchardus*) in the middle-west Adriatic Sea. *Frontiers in Marine Science*.

**Chemello, G.**, Faraoni, V., Notarstefano, V., Maradonna, F., Carnevali, O., & Gioacchini, G. (2023). First Evidence of Microplastics in the Yolk and Embryos of Common Cuttlefish (*Sepia officinalis*) from the Central Adriatic Sea: Evaluation of Embryo and Hatchling Structural Integrity and Development. *Animals*, 13(1), 95.

Biasato I., Bellezza Oddon S., **Chemello G.**, Gariglio M., Fiorilla E., Dabbou S., ... and Schiavone A. 2022. Welfare implications for broiler chickens reared in an insect larvae-enriched environment: Focus on bird behaviour, plumage status, leg health, and excreta corticosterone. *Frontiers in Physiology*, 1634. <https://doi.org/10.3389/fphys.2022.930158>.

Biasato I., **Chemello G.**, Oddon S. B., Ferrocino I., Corvaglia M. R., Caimi C., ... and Gasco L. (2022). *Hermetia illucens* meal inclusion in low-fishmeal diets for rainbow trout (*Oncorhynchus mykiss*): effects on the growth performance, nutrient digestibility coefficients, selected gut health traits, and health status indices. *Animal Feed Science and Technology*, 115341. <https://doi.org/10.1016/j.anifeedsci.2022.115341>.

Biasato I., **Chemello G.**, Caimi C., Oddon S. B., Capucchio M. T., Colombino E., ... & Gasco L. 2022. Taurine supplementation in plant-based diets for juvenile rainbow trout (*Oncorhynchus mykiss*): Effects on growth performance, whole body composition, and histomorphological features. *Animal Feed Science and Technology*, 289, 115314. <https://doi.org/10.1016/j.anifeedsci.2022.115314>.

Biasato I., Rimoldi S., Caimi C., Bellezza Oddon S., **Chemello G.**, Prearo M., ... and Terova G. 2022. Efficacy of Utilization of All-Plant-Based and Commercial Low-Fishmeal Feeds in Two Divergently Selected Strains of Rainbow Trout (*Oncorhynchus mykiss*): Focus on Growth Performance, Whole-Body Proximate Composition, and Intestinal Microbiome. *Frontiers in Physiology*, 816. <https://doi.org/10.3389/fphys.2022.892550>.

**Chemello G.**, Zarantoniello M., Randazzo B., Gioacchini G., Truzzi C., Cardinaletti G., ... and Olivotto I. 2022. Effects of black soldier fly (*Hermetia illucens*) enriched with Schizochytrium sp. on zebrafish (*Danio rerio*) reproductive performances. *Aquaculture*, 550. <https://doi.org/10.1016/j.aquaculture.2021.737853>.

Caimi C., Biasato I., **Chemello G.**, Oddon S. B., Lussiana C., Malfatto V. M., ... and Gasco L. 2021. Dietary inclusion of a partially defatted black soldier fly (*Hermetia illucens*) larva meal in low fishmeal-based diets for rainbow trout (*Oncorhynchus mykiss*). *Journal of Animal Science and Biotechnology*, 12(1), 1-15. <https://doi.org/10.1186/s40104-021-00575-1>.

Zarantoniello M., Randazzo B., Cardinaletti G., Truzzi C., **Chemello G.**, Riolo P., and Olivotto I. 2021. Possible dietary effects of insect-based diets across zebrafish (*Danio rerio*) generations: a multidisciplinary study on the larval phase. *Animals*, 11(3), 751. <https://doi.org/10.3390/ani11030751>.

**Chemello G.**, Biasato I., Gai F., Capucchio M.T., Colombino E., Schiavone A., Gasco L. and Pauciullo A. 2021. Effects of *Tenebrio molitor* larvae meal inclusion in rainbow trout feed: myogenesis-related gene expression and histomorphological features. *Italian Journal of Animal Science*, 20(1), pp.1211-1221. DOI: 10.1080/1828051X.2021.1945959.

Zarantoniello M., Randazzo B., Cardinaletti G., Truzzi C., **Chemello G.**, Riolo P. and Olivotto I. 2021. Possible Dietary Effects of Insect-Based Diets across Zebrafish (*Danio rerio*) Generations: A Multidisciplinary Study on the Larval Phase. *Animals*, 11(3), p.751. <https://doi.org/10.3390/ani11030751>.

Caimi C., Biasato I., **Chemello G.**, Oddon S.B., Lussiana C., Malfatto V.M., Capucchio M.T., Colombino E., Schiavone A., Gai F. and Trocino A. 2021. Dietary inclusion of a partially defatted black soldier fly (*Hermetia illucens*) larva meal in low fishmeal-based diets for rainbow trout (*Oncorhynchus mykiss*). *Journal of Animal Science and Biotechnology*, 12(1), pp.1-15. <https://doi.org/10.1186/s40104-021-00575-1>.

Gu M., Cosenza G., Gaspa G., Iannaccone M., Macciotta N., **Chemello G.**, Di Stasio L., Pauciullo A. (2020). Sequencing of Lipoprotein lipase (LPL) gene in the Mediterranean river buffalo (*Bubalus bubalis*) identified novel variants affecting gene expression. *Journal of Dairy Science*, 103(7), pp.6374-6382. <https://doi.org/10.3168/jds.2019-17968>.

**Chemello G.**, Renna M., Caimi C., Guerreiro I., Oliva-Teles A., Enes P., Biasato I., Schiavone A., Gai F., Gasco L. (2020). Partially Defatted *Tenebrio molitor* Larva meal in diets for grow-out rainbow trout, *Oncorhynchus mykiss* (Walbaum): effects on growth performance, diet digestibility and metabolic responses. *Animals*, 10(2): 229. <https://doi.org/10.3390/ani10020229>.

**Chemello G.**, Randazzo B., Zarantoniello M., Fifi AP., Aversa S., Ballarin C., Radaelli G., Magro M., Olivotto I. (2019). Safety assessment of antibiotic administration by magnetic nanoparticles in *in vitro* zebrafish liver and intestine cultures. *Comp Biochem Physiol C Toxicol Pharmacol*. <https://doi.org/10.1016/j.cbpc.2019.108559>.

Magro M., Baratella D., Molinari S., Venerando A., Salviulo G., **Chemello G.**, Olivotto I., Zoppellaro G., Ugolotti J., Aparicio C., Tucek J., Fifi AP., Radaelli G., Zboril R., Vianello F. (2019). Biologically safe colloidal suspensions of naked iron oxide nanoparticles for *in situ* antibiotic suppression. *Colloids and Surfaces B: Biointerfaces*. 181: 102-111. <https://doi.org/10.1016/j.colsurfb.2019.05.036>.

Magro M., Bramuzzo S., Baratella D., Ugolotti J., Zoppellaro G., **Chemello G.**, Olivotto I., Ballarin C., Radaelli G., Arcaro B., De Liguoro M., Coppellotti O., Guidolin L., de Almeida Roger J., Bonaiuto E., Zboril R., Vianello F. (2019). Self-assembly of chlorin-e6 on  $\gamma$ -Fe<sub>2</sub>O<sub>3</sub> nanoparticles: Application for larvicidal activity against *Aedes aegypti*. *Journal of Photochemistry and Photobiology B*. 194: 21-31. <https://doi.org/10.1016/j.jphotobiol.2019.03.004>.

Magro M., Baratella D., Bonaiuto E., De Almeida Roger J., **Chemello G.**, Pasquaroli S., Mancini L., Olivotto I., Zoppellaro G., Ugolotti J., Aparicio C., Fifi AP., Cozza G., Miotto G., Radaelli G., Bertotto D., Zboril R., Vianello F. (2019). Stealth iron oxide nanoparticles for organotropic drug targeting. *Biomacromolecules*. 20: 1375-1384. <https://doi.org/10.1021/acs.biomac.8b01750>.

Munari M., Matozzo V., Gagnè F., **Chemello G.**, Riedl V., Finos L., Pastore P., Badocco D., Marin M.G. (2018). Does exposure to reduced pH and diclofenac induce oxidative stress in marine bivalves? A comparative study with the mussel *Mytilus galloprovincialis* and the clam *Ruditapes philippinarum*. *Environmental Pollution*, 240: 925-937. <https://doi.org/10.1016/j.envpol.2018.05.005>.

Randazzo B., **Chemello G.**, Tortarolo I., Chiarello G.L., Zalas M., Santini A., Liberatore M., Liberatore M., Selli E., Olivotto I. (2017). A novel photocatalytic purification system for fish culture. 14 (5): 411-421. <https://doi.org/10.1089/zeb.2017.1448>.

**Chemello G.**, Piccinetti C.C., Randazzo B., Carnevali O., Magro M., Bonaiuto E., Vianello F., Radaelli G., Fifi A.P., Gigliotti F., Olivotto I. (2016). Oxytetracycline delivery in adult female zebrafish by iron oxide nanoparticles. *Zebrafish*, 13 (6): 495-503. <https://doi.org/10.1089/zeb.2016.1302>.

Munari M., **Chemello G.**, Finos L., Ingrosso G., Giano M., Marin M.G. Coping with seawater acidification and the emerging contaminant diclofenac at the larval stage: A tale from the clam *Ruditapes philippinarum*. (2016). *Chemosphere* 160, 293-302. <https://doi.org/10.1016/j.chemosphere.2016.06.095>.

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| <b>11-14 June 2024</b>      | <b>69° Convegno GEI</b> - Società di Biologia dello Sviluppo e della Cellula. <b>(Napoli, Italy)</b><br><b>Attended online - Poster presentation:</b> "Comparative analysis of <i>Sepia officinalis</i> embryo development: assessing the influence of farmed and wild environments in the Adriatic Sea".                                                                                                                                                                                                                                                                                                                                                   |
| <b>5-8 June 2023</b>        | <b>68° Convegno GEI</b> - Società di Biologia dello Sviluppo e della Cellula. <b>(Oliveri, Italy)</b><br><b>Attended online - Poster presentation:</b> "Evaluation of the reproductive biology of the European sardine in the Adriatic Sea". G Chemello, G Cerrone, V Tavalazzi, F Donato, F Tiralongo, O Carnevali, G Gioacchini.                                                                                                                                                                                                                                                                                                                          |
| <b>15-19 May 2023</b>       | <b>12<sup>th</sup> International Symposium on Reproductive Physiology of Fish ISRPF. (Crete, Greece).</b><br><b>Poster presentation:</b> "Ovary structural anomalies in the European sardine ( <i>Sardina pilchardus</i> ) in relation to health status and contaminants exposure".                                                                                                                                                                                                                                                                                                                                                                         |
| <b>17-18 November 2022</b>  | <b>XIV CONVEGNO NAZIONALE "Ricerca ed Innovazione per l'Ambiente" INBB (Istituto Nazionale Biostrutture Biosistemi) (Roma, Italy).</b><br><b>Poster presentation:</b> "Microplastic toxicity in cuttlefish and sea turtle embryos: new candidate sentinel species to assess environmental impacts".                                                                                                                                                                                                                                                                                                                                                         |
| <b>20-23 September 2022</b> | <b>8<sup>th</sup> International Workshop on the Biology of Fish Gametes. (Gdańsk, Poland).</b><br><b>Oral presentation:</b> "Reproductive biology of the European sardine ( <i>Sardina pilchardus</i> ) in the Adriatic Sea, an integrated study evaluating ovary structural and morphological integrity within an entire reproductive cycle".                                                                                                                                                                                                                                                                                                              |
| <b>4-8 September 2022</b>   | <b>30th CECE &amp; 9th ISFE Joint Conference of the European Society for Comparative Endocrinology and of the International Society for Fish Endocrinology. (Faro, Portugal)</b><br><b>Oral presentation:</b> "Maternal transfer of microplastics in the yolk of loggerhead sea turtle ( <i>Caretta caretta</i> ) embryos and their correlation with development".<br><b>Poster presentation:</b> "A study on folliculogenesis in the loggerhead sea turtle ( <i>Caretta caretta</i> ): structure and biochemical characterization through histological analysis and ftir imaging"                                                                          |
| <b>5-7 June 2022</b>        | <b>67° Convegno GEI</b> - Società di Biologia dello Sviluppo e della Cellula. <b>(Gargnano, Italy)</b><br><b>Attended online - Poster presentation:</b> "Folliculogenesis characterization of <i>Caretta caretta</i> : new insight through FTIR-imaging and histological analysis." Chemello G., Di Renzo L., Zonta L., Trotta E., Giorgini E., Mascilongo G., Di Francesco G., Carnevali O., Gioacchini G.                                                                                                                                                                                                                                                 |
| <b>June 2019</b>            | <b>Aquaculture Summer School.</b> At Porto Conte Ricerche, in Alghero (Sassari), Italy.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>June 2019</b>            | <b>National Congress of the Animal Science and Production Association "New challenges in Animal Science" (ASPA 2019).</b> At the Congress Centre at Hilton Sorrento Palace Hotel, Sorrento, Italy.                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>October 2018</b>         | <b>XXIV Convegno nazionale S.I.P.I. Società italiana di Patologia Ittica.</b> Torino, Italy.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>September 2018</b>       | <b>Aquaculture RISE Summer school.</b> At the IMC Foundation, in Torregrande (Oristano), Italy.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>May 2018</b>             | <b>SETAC Europe 28<sup>th</sup> annual meeting.</b><br><b>Poster presentation:</b> "Safety and efficiency assessment of antibiotic administration by magnetic nanoparticles in zebrafish." Chemello G., Piccinetti CC., Randazzo B., Magro M., Radaelli G., Maradonna F., Bonaiuto F., Fifi A.P., Gigliotti F., Vianello F., Olivotto I.                                                                                                                                                                                                                                                                                                                    |
| <b>October 2017</b>         | <b>International Conference &amp; Exposition.</b> European Aquaculture 2017, Dubrovnik, Croatia.<br><b>Poster presentation:</b> "Safety assessment of antibiotic administration by magnetic nanoparticles in zebrafish: an <i>in vivo</i> and <i>ex vivo</i> comparison." Chemello G., Randazzo B., Vargas Abundez JA., Magro M., Radaelli G., Bertotto D., Gioacchini G., Maradonna F., Vianello F., Olivotto I.                                                                                                                                                                                                                                           |
| <b>February 2017</b>        | <b>1st Italian meeting on animal model Zebrafish.</b> Department of Biology, Università degli studi di Padova, Padova (Italy).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>February 2016</b>        | <b>International Conference &amp; Exposition.</b> Aquaculture 2016, Las Vegas, Nevada (USA).<br><b>Oral presentation:</b> "Nanotechnology as a new method for antibiotic management in aquaculture." Chemello G., Mancini L., De Almeida Roger J., Magro M., Baratella D., Bonaiuto E., Radaelli G., Fifi A.P., Morandi S., Bertotto D., Mentilacci S., Vianello F., Olivotto I.                                                                                                                                                                                                                                                                            |
| <b>October 2015</b>         | <b>International Conference &amp; Exposition.</b> European Aquaculture 2015, Rotterdam, The Netherlands.<br><b>Oral presentation:</b> "Nanotechnologies applied to antibiotic delivery in zebrafish <i>Danio rerio</i> ." Chemello G., Mancini L., De Almeida Roger J., Magro M., Baratella D., Bonaiuto E., Radaelli G., Fifi A.P., Morandi S., Bertotto D., Mentilacci S., Vianello F., Olivotto I.<br><b>Poster presentation:</b> "Role of growth and stress factors in ballan wrasse <i>Labrus bergylta</i> larval development." Chemello G., Piccinetti C.C., Radaelli G., Kjorsvik E., Evjemo J.O., Maradonna F., Ricci R., Trampetti F., Olivotto I. |
| <b>September 2015</b>       | <b>5th International Workshop on the Biology of Fish Gametes.</b> Cost Action FA1205. Ancona, Italy.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

## Awards

November 2022

### Best Poster Presentation award

At the XIV CONVEGNO NAZIONALE "Ricerca ed Innovazione per l'Ambiente" INBB

**Poster presentation:** *"Microplastic toxicity in cuttlefish and sea turtle embryos: new candidate sentinel species to assess environmental impacts"*.

June 2022

### Best Poster Presentation award

At the 67° Convegno GEI - Società di Biologia dello Sviluppo e della Cellula. Gargnano (BS)

**Attended online - Poster presentation:** *"Folliculogenesis characterization of *Caretta caretta*: new insight through FTIR-imaging and histological analysis"*.

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Consapevole delle sanzioni penali previste in caso di dichiarazioni mendaci, falsità negli atti e uso di atti falsi, dichiaro che quanto indicato nel presente curriculum vitae corrisponde al vero ai sensi del D.P.R. n. 445/2000.

In faith,

