

Curriculum vitae et studiorum



Name: Paolo Sordino

Title: Ph.D.

Born in: Naples (Italy)

Date of Birth: 03/02/1962

Nationality: Italian

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Scientometrics: Google Scholar 29/2977, Scopus 22/2104

Research Interests: Ecological Evolutionary Developmental Biology; Chordata (Tunicata, Gnathostomata)

Work experience

- From October 2020 to date, Senior researcher at the Sicily Marine Centre, Stazione Zoologica Anton Dohrn (SZN) (Messina, Italy)
- From June 2000 to September 2020, Senior researcher at the SZN (Naples, Italy)
- From June 2000 to September 2020, Full time researcher at the SZN
- From September 1999 to May 2000, postdoctoral fellow at the Dept. of Anatomy of the University College London (London, UK)
- From September 1998 to August 1999, postdoctoral fellow at the Randall Institute of the King's College (London, UK)
- From March 1993 to September 1993, postgraduate fellow at EMBO (Heidelberg, Germany)
- From September 1992 to February 1993, postgraduate fellow at SZN
- From February 1991 to July 1992, postgraduate fellow at Hopkins Marine Station, Stanford University (Pacific Grove, CA, USA)
- From January 1990 to January 1991, postgraduate fellow at Laboratory of Benthic Ecology, SZN, Ischia (Napoli, Italy)
- From January 1987 to December 1989, founding member of the private company Bioservice scrl (Naples, Italy)

Education and training

- October 2005, training in lungfish embryology at Macquarie University (Sydney, Australia)
- June 2000, training in tunicate embryology at Dept. of Zoology, Kyoto University (Kyoto, Japan)
- November 1993, training in whole mount in situ hybridization at Biozentrum (Basel, Switzerland)
- From October 1993 to October 1996, PhD degree in Biological Sciences at the Faculty of Sciences, University of Geneva (Geneva, Switzerland)
- From May to June 1991, course on "Biochemistry and molecular biology of marine organisms" at Wrigley Marine Science Center, University of Southern California (Catalina Island, Los Angeles, CA, USA)
- November 1990, training in karyology at the Department of Animal and Human Biology, University of Turin (Italy)
- From May to June 1990, course on "Ecology and evolution of life histories" at Friday Harbor Laboratories, University of Washington (Seattle, WA, USA)
- From September 1980 to October 1986, University degree in Natural Sciences at the Faculty of Zoology, University of Naples "Federico II" (UniNa) (Naples, Italy); (110/100 cum laude)

Teaching

- Contract teacher (University of Catania) for the course in "Experimental models in biological and medicine research" (2023, 1 semester, 42 hrs)
- Lessons for Eco-Evo-Devo PhD course (SZN) (2016, 2019, 2022)
- Lessons for Post-graduate trainees at Dept. of Medicine and Surgery, UniNa (2012)
- Lessons for Master students at Dept. of Biotechnological Sciences, UniNa (2011, 2012, 2013, 2014)
- Lessons for PhD students at European School of Molecular Medicine at CEINGE (Naples, Italy) (2007, 2009, 2010, 2011, 2012; 2013)
- Lessons for PhD students at Dept. of Surgical, Medical, Odontoiatric and Mophological Sciences with interest in Transplants, Oncology and Regenerative Medicine, University of Modena and Reggio Emilia (Modena, Italy) (2004)
- Lessons for PhD students of the Open University at SZN (2003)
- Lessons for PhD students at Tigem Institute (Pozzuoli, Italy) (2004, 2008)
- Lessons for Summer School of the Italian Society of Evolutionary Biology (2008, Cogne, Italy)
- Contract Teacher for PhD students at Dept. of Biology, University of Milan (1999, 2000, 2014)
- Lessons for mini-symposia "DNA, Systematics and Evolution" (1994) and "La Génétique Moléculaire du Développement" (1995) at Sciences III, Université de Genève (Genève, Switzerland), and for a practical course in biology at Station Zoologique de Malagnou (Genève, Switzerland), III^e Cycle Romand en Sciences Biologiques, Université de Genève (1995)

Invited speaker

- Dept. of Sciences, University of Potenza (Italy) (2023)
- UniNa, Dept. of Biology (2018)

- National Congress of the Italian Neuroscience Society - Symposium on “Mammalian and non-mammalian animal models” (Ischia, Naples, Italy) (2018)
- Dept. of Veterinary Medicine and Animal Productions, UniNa (2016)
- Workshop on “Meeting between basic and clinical researchers” at Department of Medicine and Surgery, UniNa (2015)
- University of Tuscia’s visit at SZN (2015)
- ICB-CNR (Pozzuoli, Naples, Italy) (2015)
- Meeting “Zebrafish: small model systems grow in biomedical research” (M. Negri Institute, Milan, Italy) (2013)
- Meeting “Città del Mare”, IRAT-CNR (Naples, Italy) (2012)
- Dept. of Medicine and Surgery, UniNa (2012)
- Dept. of Pharmacy, University of Salerno (2012)
- Dept. of Biology, University of Pisa (2011)
- Eur-Oceans Foresight Workshop, SZN (2010)
- Museum of Natural History, Foggia, Italy (2010)
- XI Summer School on the History of the Life Sciences, SZN, Ischia, Italy (2009)
- “The Tuesdays” of the Teachers’ club, Città della Scienza, Naples (2009)
- Dept. of Veterinary Medicine, University of Messina (2009)
- Dept. of Medicine and Surgery, UniNa (2009, 2010)
- Meeting “Congenital hypothyroidism in Italy” (National Health Institute, Rome, Italy) (2009,)
- Meeting “Refinement and Reduction: model system evolution in biomedical research”, UniNa (2009)
- Department of Molecular and Translational Medicine, University of Brescia (2009)
- Meeting of Italian Ascidiologists (University of Palermo, Italy) (2008)
- Darwin Day (Città della Scienza, Naples, Italy) (2008, 2009)
- Department of Biology, University of Padova (2008, 2014)
- Meeting of the Italian Society of Experimental Biology (University of Trento, Italy) (2007)
- Meeting “Perspectives in ascidian research in Italy” (SZN) (2006)

Outreach and dissemination

- SZN stand member at “Futuro Remoto” (2016, 2018) and at “Grande Festa della Ricostruzione” (2015) (Città della Scienza, Naples, Italy)
- SZN stand organizer at “Futuro Remoto” (Città della Scienza, Naples, Italy) (2017)
- Fattorie Didattiche, IZSM (Portici, Naples, Italy) (2015)
- Maggio Porte Aperte, SZN (2015)
- Practical and theoretical lessons/classes at local middle/high schools (Institutes Galilei, Cavour, Volta, Pirandello (Naples, Italy) (2003, 2008, 2009)

Meeting and workshop organization

- Scientific Committee of the 2nd Italian Congress of Marine Evolution (2023)
- Scientific Committee of the 10th Meeting of the Neapolitan Brain Group (Dept. Biotechnology, UniNa) (2022)
- Organizer of 8st EuroEvoDevo conference, Napoli, Italy (2022)

- Scientific committee of 3rd Italian Zebrafish Meeting, Napoli, Italy (2022)
- Organizer of Neapolitan Brain Group webinar “Basic mechanisms in neurological disorders” (2021)
- Scientific committee of 1st Italian Congress of Marine Evolution (2020)
- Organizer of 6th and 8th Meeting of the Neapolitan Brain Group (Dept. Biotechnology, UniNa) (2017, 2018)
- Organizer of 1st Zebrafish Italian Meeting, University of Padova, Italy (2017)
- Organizer of PON/MIUR 2007/2013 practical/theoretical training course on Biotechnologies in Inflammatory and Metabolic Mechanisms (700 hrs frontal lessons at SZN) (2012-2015)
- Organizer of EC-ASSEMBLE workshop on Functional Genomics, SZN (2012)
- Organizer of Open University PhD course on “Evolutionary Biology and Phylogenetics”, SZN (2012)
- Organizer of SZN Science & Society meeting “Men and mice: use, respect and knowledge” (2011)
- Organizer of symposia on “I Teleostei come sistema modello nella ricerca biomedica” (Teleosts as model systems in biomedical research), SZN (2007, 2008)
- Organizer of Marine Genomics Europe workshop on “Population identity and species identity”, SZN (2006)
- Organizer of II EC workshop “Embryos against cancer”, SZN (2002)

Appointments and awards

- Working group member for the preparation of the SZN “Mission and Vision” and “Piano Triennale” documents (2016-2022)
- Member of ca. 30 SZN commission panels for Research fellowships (since ca. 2005)
- Founding member of the Neapolitan Brain Group (since 2018)
- Member of Committee of Inquiry for Scientific Integrity, UniNa (2016)
- Member of SZN Committee for Scientific Dissemination (Outreach) (2015-2017)
- 2nd level National Scientific Enabling in 05/I1 Genetics and Microbiology, 05/B2 Comparative Anatomy and Cytology, and 05/F1 Applied Biology (Call 2012)
- Member of SZN “Sinergy” and Seminar commissions (2009-2011)
- Co-organizer of bi-monthly SZN lab meeting on “EcoEvoDevo”, to promote intramural integrating discussions and activities (2009-2011)
- SZN coordinator of “Natural products in drug discovery” programme (2007-2010)
- SZN scientific advisor in GEAR (Genomics for Applied Research), a consortium of local scientific institutes for integrating activities (2008-2010)

Tutoring/Director of Studies

Tutor of 15 national degree thesis, 11 national and international PhD theses, 3 national University Internships, 1 spanish ERASMUS, 1 tunisian Internship, 1 french Internat

Director of Studies of PhD projects (all successfully completed)

- XXI Cycle in Veterinary Sciences, UniNa - 2019. Frauds and fish species authentication: study of the complete mitochondrial genome of some Sparidae species to provide specific barcode markers. Student: Celestina Mascolo
- XXX Cycle in Veterinary Sciences, UniNa – 2017. A functional study of the endocannabinoid system in zebrafish neurodevelopment: implications in vision and locomotion. Student: Rosa Maria Sepe
- XXVII Cycle in Model Organisms in Biomedical and Veterinary Research, UniNa - 2016. Behavioural, cellular and molecular insights into hyperexcitability using zebrafish model system. Student: Valeria Nittoli
- XVIII Cycle in Earth and Life Sciences, University of Sannio – 2016. Effects of (methylcyclopentadienyl) manganese (I) trycarbonil on dopaminergic neurons on zebrafish (*Danio rerio*). Student: Giulia Fasano
- XXIV Cycle in Veterinary Sciences, University of Messina - 2011. Zebrafish neurons and sensory cells to study the brain-derived neurotrophic factor in development and disease. Student: Elena De Felice
- XXII Cycle in Molecular Medicine, UniNa - 2010. The zebrafish model to identify new genes in thyroid development. Student: Immacolata Porreca
- XXI Cycle in Cell Biology, University of Palermo - 2009. Soul genes during zebrafish development. Student: Antonio Emidio Fortunato
- XXII Cycle in Genetics and Molecular Medicine, UniNa - 2009. In vitro and in vivo analysis of the transcriptional coactivator TAZ. Student: Andrea Pappalardo
- XXII Cycle in Biology, Pathology and Environmental Hygiene in Veterinary Medicine, UniNa - 2009. Expression and functional analysis of Soul/HBP (Heme binding protein) genes during kidney development in zebrafish. Student: Fernanda Langellotto
- Open University - 2006. Hox and ParaHox in Tunicates: genomic organization, regulation and biogeography. Student: Luigi Caputi
- XVII Cycle in Aquaculture and Marine and Freshwater Productions, UniNa - 2005. Genetic approaches to metabolism during fish development: study of Soul/Heme binding protein genes in *Danio rerio*. Student: Gerarda Sorrenti

Director of studies of Master Thesis (all successfully completed)

- Master thesis in Biological Sciences, UniNa – 2022. *Ciona robusta* as ascidian model organism in the study of rare pathologies: analysis of a human gene. Student: Giovanni Trezza, N99/2164
- Master thesis in General and Applied Biology, UniNa – 2017. Expression profiles of neurotrophic genes NT3 and BDNF during the embryonic development of *Danio rerio*. Student: Alessandra Buono, N82/2799
- Master thesis in Medical Biotechnologies, UniNa – 2016. The role of the endocannabinoid system in the neurogenesis of zebrafish. Raffaella De Paolo, N79/1030
- Master thesis in Biological Sciences, UniNa – 2015. Hyperexcitability during embryo development in the model species *Danio rerio*: molecular and behavioural analyses. Student: Alessandra Gentile, N92/1288

- Master thesis in Biological Sciences, UniNa – 2014. The endocannabinoid system in zebrafish: study of expression and function of mgll during embryo development. Student: Luigi Ippolito, N92/180
- Master thesis in Biological Sciences, UniNa – 2012. Characterization of miR-124 and long non-coding RNA in the zebrafish genome. Student: Luna Pisa, 573/4560
- Master thesis in Biological Sciences, UniNa – 2011. Role of the transcription factor unc4b during embryo development of zebrafish. Student: Valeria Nittoli, N99/268
- Master thesis in Biological Sciences, UniNa – 2009. Microsatellites in the study of genetic variation in *Ciona intestinalis*. Student: Ornella Affinito, 360/164
- Master thesis in Biological Sciences, UniNa – 2008. Role of the transcription factor Unc-4 in the embryo development of zebrafish: functional analysis in myogenesis and axogenesis. Student: Marcella Fiengo, 360/215
- Master thesis in Biological Sciences, UniNa – 2007. Cloning and expression of genes involved in pectoral fin development in the Australian dipnoan *Neoceratodus forsteri*. Student: Alessandra D'Angelo, 432-2757
- Master thesis in Biological Sciences, UniNa – 2006. Biogeography of the ascidian *Ciona intestinalis* (Chordata, Tunicata). Analysis of Italian populations. Student: Mauro Vassillo, 432-2812
- Master thesis in Biological Sciences, UniNa - 2005. Study of genes of the family Soul (heme binding protein) during zebrafish (*Danio rerio*) embryogenesis. Student: Sylvie Maiella, 432-2678
- Master thesis in Biological Sciences, UniNa – 2002. Study of the mago nashi gene during development of *Ciona intestinalis* (Urochordata). Student: Jung Hee Levaldi Ghiron, 432/1748
- Master thesis in Biological Sciences, UniNa – 2002. Study of the toxic and teratogenic effects of deltamethrin on the embryonic development of *Danio rerio*. Student: Daniela Ruberto, 432-2584
- Master thesis in Biological Sciences, UniNa – 2001. Role of morphogenetic mechanisms in the development of protochordates: apoptosis and proliferation in the ascidian *Ciona intestinalis*. Student: Raffaella Tarallo, 432-001852

PhD examination and committee panels

6 national (UniNa, University of Padova, University of Milan) and 36 international (Open University/SZN; Leiden University, Netherlands; Université Pierre et Marie Curie/LOV, Villefranche-sur-Mer, France) PhD panels

Refereeing

Peer-reviewed scientific journals: Anatomia, Histologia, Embryologia; Biological Journal of the Linnean Society; Biology of the Cell; BMC Molecular Biology; BMC Evolutionary Biology; BMC Molecular Biology; BMC Developmental Biology; Briefings in Functional Genomics; Bulletin of Marine Sciences; Contributions to Zoology; Current Medicinal Chemistry; Developmental Dynamics; Development; Developmental Biology; Evolutionary Ecology; Frontiers in Cell and Developmental Biology; Frontiers in Genetics; Frontiers in Marine Science; Frontiers in

Physiology; Gene; Gene Expression Patterns; Genome Biology and Evolution; Heliyon; International Journal of Developmental Biology; International Journal of Developmental Neuroscience; International Journal of Molecular Sciences; Journal of Comparative Neurology; Journal of the Marine Biological Association of the United Kingdom; Journal of Marine Science and Engineering; Journal of Visual Experiments; Marine Biotechnology; Marine Biology research; Marine Genomics; Mechanisms of Development; Microscopy Research and Technique; Mitochondrial DNA Part B: resources; Molecular Biology and Evolution; Molecular Ecology Resources; PLoS ONE; Scientific Reports; Thalassas: An International Journal of Marine Sciences; Zebrafish; Zoological Letters

Funding agencies/institutions: ANVUR, MIUR-FIRB, CARIPARO, UniPD, DAAD-German Academic Exchange Service (Germany), ERC, INTAS, National Science Foundation (USA), Israel Science Foundation, Deutsche Forschungsgemeinschaft (DFG) German Research Foundation, Agence Nationale de la Recherche (ANR) (France), Genoscope (France), BBSRC (UK)

Editorial Boards

Review member of the Editorial Board of *Frontiers in Ecology and Evolution* (since 2018), *Frontiers in Neuroscience* (since 2020), *Frontiers in Marine Science* (since 2022)

Editor

- *Frontiers in Ecology and Evolution*; Research Topic “Tunicates in EvoDevo Research” (2023)
- *BMC Neuroscience*, 19 (Suppl. 3), 2018

Funding

- Project Horizon 2020 – BlueBio 2nd Joint Additional Call ERA-NET Cofund Actions (2022-2025) – “European fisheries enhancement through “Omic” characterization and innovative food production from undertutilized fish species/EuFish_SustainableGrowth). Coordinator SZN Unit; 80,000 €
- Project CRIMAC "Centre for Advanced Marine Research and Infrastructures in Calabria " (SZN/2021-2022) – “Bioluminescent and biofluorescent proteins from Amendolara Bank (The Bright Side of Calabria/BISCA)”. Collaborator; 40,000 €
- Project ADViSE (RIS3 Campania “Technological Platform for Collaborative Research against Oncological Pathologies”) (2019-2020) – “Antitumor Drugs and Vaccines from the Sea”. Objective “New Biological Models for In Vivo Studies”. Collaborator; 1,352,131 €
- Project ABBaCo (MIUR-FISR/2017) – WP4: Experimental analysis of resistance and resilience capacities of hard substrate sessile populations to anthropic and climatic disturbance events in the post-industrial area of Bagnoli and nearby reference areas. Title: Morphological and transcriptional alterations induced by multiple stress in ascidians. Collaborator; 30,000 €
- Flagship Project (MIUR/2016) – “Sequencing the genome of the short-snouted seahorse, *Hippocampus hippocampus* (HipGen)”. Coordinator; 33,000 €
- Prize Project (MIUR/2015): “Innovative technologies for therapy with radionuclides and biological imaging (TERABIO)”. Coordinator; 119.688 €

- Future in Research (FIRB/2012) (2013-2016) – “The advent of non-coding RNAs: novel implications for the biology of neurotrophins” (RBFR12QW4I). Collaborator; 864,000 €
- Finalized Research Ministry of Health /2010 (2012-2014) – “Studies on the involvement of genetic, epigenetic and environmental factors in the pathogenesis of congenital hypothyroidism. Novel perspectives for the management of a largely unexplained disorder” (RF-2010-2309484). Collaborator; 454,800 €
- Project INAIL/2010/388 (2011-2012) – “Professional exposure to pesticides: study of the effects on the endocrine system and organ-specific immunity”. Collaborator; 220,000 €
- Prize Project (MIUR/2011) – “Distribution and fate of genetic variation in natural populations of *Ciona intestinalis*”. Coordinator; 161,000 €
- Prize Fellowship (2010) – Population genetics of *Ciona intestinalis*. Coordinator; 30,000 €.
- PON (254/Ric.18/05/2011) (2012-2016) – I Action – “Structural Empowerment” (PONa3_00239) “Empowering an integrated platform for the study of high impact-human pathologies by means of system phenotyping of marine model organisms: Mouse and Zebrafish Clinic”. Coordinator; 2,800,428 €
- Town of Savignano Irpino (2010-2011) – “Exposure to potentially toxic substances: study of the effects on the endocrine system of fish”. Collaborator; 7,000 €
- EC-FP7-Infrastructure “Assemble, Association of European Marine Biological Laboratories”. JRA3 “Improving the provision of genetic and genomic resources”. (01.03.2009-29.02.2012). Coordinator; 84,800 €
- EC-FP6-Network of Excellence “Marine Genomics” (505403) EDD node-WP36 “Genomic identity of species”. (01.10.2005-31.08.2008). Collaborator; 68,000 €
- EC-FP6-Network of Excellence “Marine Genomics” (505403) – Two “Technology Platforms Access Scheme” projects. Coordinator; 2 x 5,000 €
- EC-FP6-STREP project: "Plurigenes" (018673) (1.1.2006-31.12.2008). Collaborator; 210,000 €
- Australian Research Council Discovery Grant (2006-2008): “Paired fins of lungfish and the origin of the limb as evolutionary novelties”. Collaborator; 130,000 Aus \$
- EC-EAC-Key Action “Use of simple embryos to search for unknown molecules controlling cell proliferation” (QLK3-CT-2001-01890) (01.10.2001-30.09.2004). Collaborator; 267,000 €
- MIUR-Cluster C08, Project 24. "Implementation of research network in aquaculture for the development of the sector in Campania region (Southern Italy)" (01.01.2002-31.12.2005).WP4 “Development of new model systems and technologies for aquaculture”. Coordinator; 213,990.81 €
- Wellcome Trust (1999-2001) – “Regulation and function of the Unc4 transcription factor”. Collaborator; 300,000 GB £

Research fellowships

- Marie-Curie TMR fellowship, European Community, two-year 'Grant in Biotechnology'. N°. ERB4001GT980136, 1998
- Marie-Curie TMR fellowship, European Community, two-year 'Grant in Biotechnology'. N°. ERB4001GT960109, 1996
- European Molecular Biology Organization (EMBO); two-year Long Term Research Fellowship, ALT 415-1996

- National Council of Research (CNR) (Rome, Italy). N°. 201.12.632. September 1st 1992 – August 31st 1993
- National Council of Research (CNR) (Rome, Italy). N°. 224.04.1, January 1st 1990 – December 31st 1991

Travel grants

- Short-term mobility CNR travel grant (2001)
- Conference grant of The Royal Society, London (1998)
- Travelling Fellowship of The Company of Biologists Ltd. (1998)

Publications

1. Osca D, Caputi L, Tanduo V, Sepe RM, Liberti A, Tiralongo F, Venuti I, Ceruso M, Crocetta F, Sordino P, Pepe T, 2022. The complete mitochondrial genome of the zebra seabream *Diplodus cervinus* (Perciformes, Sparidae) from the Mediterranean Sea. *Mitochondrial DNA B Resour*, 7:11,2006-2008. doi.org/10.1080/23802359.2022.2145174
2. D'Agostino Y, Frigato E, Noviello TMR, Toni M, Frabetti F, Cigliano L, Ceccarelli M, Sordino P, Cerulo L, Bertolucci C, D'Aniello S, 2022. Loss of circadian rhythmicity in *bdnf* knockout zebrafish larvae. *iScience*, 25: 104054. doi.org/10.1016/j.isci.2022.104054
3. Vassalli QA, Colantuono C, Nittoli V, Ferraioli A, Fasano G, Berruto F, Chiusano ML, Kelsh RN, Sordino P, Locascio A, 2021. *Onecut* regulates core components of the molecular machinery for neurotransmission in photoreceptor differentiation. *Front Cell Dev Biol*, 9: 434. doi.org/10.3389/fcell.2021.602450
4. Caputi L, Osca D, Ceruso M, Venuti I, Sepe MR, Anastasio A, D'Aniello S, Crocetta F, Pepe T, Sordino P, 2021. The complete mitochondrial genome of the white seabream *Diplodus sargus* (Perciformes: Sparidae) from the Tyrrhenian sea, *Mitochondrial DNA B Resour*, 6:9, 2581-2583. doi.org/10.1080/23802359.2021.1915209
5. Ceruso M, Mascolo C, De Luca P, Venuti I, Biffali E, Ambrosio RL, Smaldone G, Sordino P, Pepe T, 2021. *Dentex dentex* frauds: establishment of a new DNA barcoding marker. *Foods*, 10: 580. doi.org/10.3390/foods10030580
6. Fasano G, Godoy RS, Angiulli E, Consalvo A, Franco C, Mancini M, Santucci D, Alleva E, Ciavardelli D, Toni M, Biffali E, Ekker M, Canzoniero LMT, Sordino P, 2021. Effects of low-dose methylcyclopentadienyl manganese tricarbonyl-derived manganese on the development of diencephalic dopaminergic neurons in zebrafish. *Environ Poll*, 287: 117151. doi.org/10.1016/j.envpol.2021.117151
7. Liberti A, Natarajan O, Atkinson CGF, Sordino P, Dishaw LJ, 2021. Reflections on the use of an invertebrate chordate model system for studies of gut microbial immune interactions. *Front Immunol*, 12: 246. doi.org/10.3389/fimmu.2021.642687

8. Annona G, Tarallo A, Nittoli V, Varricchio E, Sordino P, D'Aniello S, Paolucci M, 2021. Short-term exposure to the simple polyphenolic compound gallic acid induces neuronal hyperactivity in zebrafish larvae. *Eu J Neurosci*, 53: 1367-1377. doi.org/10.1111/ejn.15021
9. Ceruso M, Mascolo C, De Luca P, Venuti I, Smaldone G, Biffali E, Anastasio A, Pepe T, Sordino P, 2020. A rapid method for use in end-point and real-time PCR for identification of fish fillets from *Pagellus erythrinus* and common substitute species against frauds. *Foods*, 9: 1397. doi.org/ 0.3390/foods9101397
10. Woltering JM, Irisarri I, Joss J, Sordino P, Meyer A, 2020. The fins of the Australian lungfish elucidate the evolution of hands and digits. *Sci Adv*, 6: eabc3510. doi.org/10.1126/sciadv.abc3510
11. Sepe RM, Levaldi Ghiron JH, Zucchetti I, Caputi L, Crocetta F, De Santis R, D'Aniello S, Sordino P, 2020. The EJC component Magoh in non-vertebrate chordates. *Dev Genes Evol*, 230: 295-304. doi.org/10.1007/s00427-020-00664-7
12. Ceruso M, Venuti I, Osca D, Caputi L, Anastasio A, Crocetta F, Sordino P, Pepe T, 2020. The complete mitochondrial genome of the sharpnose seabream *Diplodus puntazzo* (Perciformes: Sparidae). *Mitochondrial DNA B Resour*, 5: 3, 2379-2381, doi.org/10.1080/23802359.2020.1775509
13. Macel M, Ristoratore F, Locascio A, Spagnuolo A, Sordino P, D'Aniello S, 2020. Sea as a color palette: the ecology and evolution of fluorescence. *Zoological Lett*, 6: 9. doi.org/10.1186/s40851-020-00161-9
14. Liberti A, Bertocci I, Pollet A, Musco L, Locascio A, Ristoratore F, Spagnuolo A, Sordino P, 2020. An indoor study of the combined effect of industrial pollution and turbulence events on the gut environment in a marine invertebrate. *Mar Environ Res*, 158: 104950. doi.org/10.1016/j.marenvres.2020.104950
15. Sordino P, D'Aniello S, Pelletier E, Wincker P, Nittoli V, Stemmann L, Mazzocchi MG, Lombard F, Iudicone D, Caputi L, 2020. Into the bloom: molecular response of pelagic tunicates to fluctuating food availability. *Mol Ecol*, 29: 292-307. doi.org/10.1111/mec.15321
16. Sepe RM, De Paolo R, Corato F, De Luca P, Rabbito A, Piscitelli F, Di Marzo F, Brunet C, Sordino P. 2020. Shedding light on the endocannabinoid system: effect of lighting conditions in the aquatic environment. 8th Annual Meeting of the Neapolitan Brain Group, Naples, December 13 2018. *Translational Medicine @ UniSa - ISSN 2239-9747 2019, Special Issue 1(50): 50.*
17. Ceruso M, Mascolo C, Venuti I, Smaldone G, Ambrosio RL, Sordino P, Pepe T. 2019. Analisi comparativa del mitogenoma completo di alcune specie di sparidi e valutazione di un nuovo marker molecolare per *Pagellus erythrinus*. *Ital J Food Saf*, 8: 4. doi.org/10.4081/ijfs.2019.8553

18. Mascolo C, Ceruso M, Sordino P, Palma G, Anastasio A, Pepe T, 2019. Comparison of mitochondrial DNA enrichment and sequencing methods from sparid fishes. *Food Chem*, 294: 333-338. doi.org/10.1016/j.foodchem.2019.05.026
19. Caputi L, Toscano F, Arienzo M, Ferrara L, Procaccini G, Sordino P, 2019. Temporal correlation of population composition and environmental variables in the marine invader, *Ciona robusta*. *Marine Ecology*, 40: e12543. doi.org/10.1111/maec.12543.
20. Ceruso C, Mascolo C, Anastasio A, Pepe T, Sordino P, 2019. Frauds and fish species authentication: study of the complete mitochondrial genome of some Sparidae to provide specific barcode markers. *Food Control*, 103: 36-47. doi.org/10.1016/j.foodcont.2019.03.028.
21. Mascolo C, Ceruso M, Chirillo C, Palma G, Anastasio A, Sordino P, Pepe T, 2019. The complete mitochondrial genome of the Angolan dentex *Dentex angolensis* (Perciformes: Sparidae) Mitochondrial DNA. Part B. *Resource*, 4 (1): 1245-1246. doi.org/10.1080/23802359.2019.1591248
22. Nittoli V, Fortunato AE, Fasano G, Coppola U, Gentile A, Maiella S, Langellotto F, Porreca I, De Paolo R, Fiengo M, Marino R., Donizetti A, Aniello F, Kondo T, Ristoratore F, Canzoniero LMT, Duboule D, Wilson WS, Sordino P, 2019. Characterization of the TSGD-derived paired homeodomain transcription factors *uncxa* and *uncxb*. *GeneX*, 2. 100011. doi.org/10.1016/j.gene.2019.100011.
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