


PERSONAL INFORMATION

Stefano Piraino



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Place and Date of birth: Palermo (Italy) 06/12/1960 | **Nationality:** Italian **Sex:** male |
Tax Code: PRNSFN60T06G273X|

POSITION Associate Professor, Zoology & Evolutionary Biology at University of Salento, Lecce (Italy)

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Google Scholar (H index 33, 3344 citations, retrieved on March, 18th, 2019)

<http://goo.gl/BJiSqR>

Research Gate (RG Score 43.46, retrieved on March, 18th, 2019)

https://www.researchgate.net/profile/Stefano_Piraino/publications

PROFESSIONAL PROFILES

MAIN DISCIPLINES
&
KEYWORDS

Marine invertebrate zoology and developmental biology, focus on cnidarians (zoology and evolutionary developmental biology, taxonomy, systematics, marine ecology, marine policy, marine biotechnology, Blue Growth

Jellyfish, polyps, life cycles, reproduction, integrative taxonomy, evolution; biodiversity conservation, pelago-benthic coupling, species functional roles, outbreak-forming species, trophic ecology, genetic connectivity, reverse development, cell trans-differentiation, organogenesis; marine bioinvasions, metagenomics; bioprospecting, bioactive compounds.

EDUCATION

1990 Ph.D. Marine Environmental Sciences (III cycle) – University of Naples, University of Messina, University of Catania, Italy.

1984 (February) Bachelor Degree + Master Science equivalent, cum laude - University of Palermo, Italy

PROFESSIONAL
ASSIGNMENTS

2015-2021 National Qualification to Full Professor (05/B1, Zoology)

2005 to present Associate Professor of Zoology, University of Salento, Lecce (Italy)

2000 – 2005 Researcher and lecturer, University of Salento, Lecce (Italy)

1995 – 2000 Researcher, National Research Council, Oceanographic Institute Taranto (Italy)

1994 Post-doc fellow, University Federico II, Naples (Italy)

1991 – 1993 Post-doc fellow, National Health Institute, Rome (Italy)

1989 – 1991 Research Assistant, National Research Council, Oceanographic Institute Taranto (Italy)

PROFESSIONAL SERVICE

- 2015 – 2018
 - 2014 to date
 - 2014-2017
 - 2016-2017
 - 2015 to date
 - 2018 to date
 - 2007-2010
 - 1996 to date
 - 30 May-3 June 2016
 - September 2010
 - October 1994
 - To date
 - 2014-2018
 - 2017
 - 2009
- Chairman, Academic Board in Biology, University of Salento, Lecce (Italy)
 - Steering Committee Member, EuroMarine International Research Network
 - Steering Committee Member, Italian Zoological Union (UZI, Unione Zoologica Italiana)
 - Chairman, Educational Board Italian Zoological Union (Unione Zoologica Italiana)
 - Member of [JRC-EASIN](#) European Alien Species Information Network - Editorial Board
 - Director, National Interuniversity Consortium of Marine Science (CONISMA) Research Unit, University of Salento
 - Director, Marine Biology Museum, University of Salento (Porto Cesareo, Lecce)
 - University of Salento - Delegate - Member of the Steering Committee of the National Interuniversity Consortium of Marine Sciences (CoNISMa)
 - President of the International Hydrozoan Society
 - Guest Editor: *Estuarine, Coastal and Shelf Science* (2018) Special Issue "Vectors of Change in Oceans and Seas Marine Life, Impact on Economic Sectors" - *Biological Invasions* (2015) - Special issue "Molecular Tools for monitoring marine bioinvasions"; *Marine Ecology* - Wiley (2012) Special Issue "Current Trends in Hydrozoan Biology"; *Scientia Marina* (1996) Special Issue "Advances in Hydrozoan Biology"
 - Associate Editor "*Marine Biodiversity*" - Springer
 - Associate Editor "*Marine Ecology* - An Evolutionary Perspective" (Wiley)
 - Chairman - Steering Committee 5th International Jellyfish Blooms Symposium (Barcelona) - <http://www.jellyfishbloom2016.com/>
 - Chairman 7th International Workshop of the Hydrozoan Society (Porto Cesareo, Italy)
 - Organizer 3rd International Workshop of the Hydrozoan Society (Roscoff, France)
 - Reviewer for scientific journals: *Current Biology*, *Estuarine Coastal and Shelf Science*, *Journal of Plankton Research*, *Hydrobiologia*, *International Journal of Developmental Biology*, *Invertebrate Biology*, *Journal of Applied Ecology*, *Journal Experimental Zoology*, *Journal Experimental Marine Biology and Ecology*, *Journal of Integrative and Comparative Biology*, *Journal of Marine Biological Association*, *Journal of Theoretical Biology*, *Meiofauna marina*, *Marine Biology*, *Marine Ecology Progress Series*, *Proceedings National Academy of Sciences U.S.*, *PLOS One*, *Proceedings Royal Society London B*, *Sarsia*, *Scientia Marina*, *Tissue and Cell*, *Zoomorphology*
 - Scientific Proposal Reviewer for: U.S. National Science Foundation (NSF), FWF - Fonds zur Förderung der wissenschaftlichen Forschung (Austrian Science Fund), CNRS (Centre National de la Recherche Scientifique, France), German Research Foundation (Deutsche Forschungsgemeinschaft, DFG)
 - Member – Board for the selection procedure of 1 associate professor in Zoology, University of Milano
 - Chairman - Board for the selection procedure of 1 full time position of researcher, Plankton Ecology section - Stazione Zoologica of Naples
 - Chairman - Board for the selection procedure of 1 full time position of research technologist, Metagenomic service - Stazione Zoologica of Naples
 - University of Salento delegate - Coordinator of bilateral agreements with Universities of Basel (Switzerland), Zhoushan (China), Lille1 (France)

TEACHING I

- 2018-2018 • University of Salento – Zoology course Master course “Sciences of Primary Education”
- 2010 to present • University of Salento - Course on “Life cycles and Development” of Marine Invertebrates Module Evolution and Development (Master Course Programme in Coastal and Marine Biology and Ecology – (taught in English)
- 2006 to present • Chairman - Co-organizer of Master Course (2006-2012, 2014-2016) on Experimental Developmental Biology of Marine Invertebrates (in collaboration with UPMC Paris VI and University of Basel) - Station Biologique de Roscoff (France) (entirely taught in English)
- 2000 to present • Università del Salento - courses of Zoology, Animal Biology, General Biology, Biodiversity and Biotechnology, Systematics and Phylogenetics, Experimental Biology of Marine Invertebrates (Bachelor Course Programmes in Biotechnology and Biological Sciences) (in Italian)
- 2015 • Chairman, Co-organizer NSF - ARTS Graduate/postgraduate Course on Systematics and Biology of Hydrozoa (Cnidaria) Bocas del Toro - Smithsonian Tropical Research Institute (Panama), 7 - 21 July 2015
- 2015 • Chairman, Co-organizer International Graduate Summer School "An integrated approach to invertebrate biodiversity: evolutionary and functional adaptations" co-organized with Universities of Padova, Milano, Palermo at Tricase Porto (Lecce, 21-26 September 2015)
- 2014 • Chairman, Co-organizer International Graduate Summer School Introductions to Cnidarians and ctenophores (ICM-CSIC, Barcelona, November 2014)
- 17-22 June 2013 • Chairman, Co-organizer International graduate summer School "An integrated approach to invertebrate biodiversity: evolutionary and functional adaptations" co-organized with Universities of Padoa, Milano, Palermo at Chioggia Marine Biological Station
- 2008-2009 • Zoology and Biology Didactics course for High School Teachers Education (SSIS)
- 2007-2008 • Zoology and Biology Didactics course for High School Teachers Education (SSIS)
- 2002-2003 • Zoology and Biology Didactics course for High School Teachers Education (SSIS)

TEACHING II
PhD Board membership /
PhD tutorship

- February 2017 Université Lille 1, Lille – Invited visiting professor at the Department of Biology
- 2017 Université Pierre et Marie Curie Paris VI - Steering Committee PhD thesis (Gonzalo Quiroga Artigas)
- 2017 PhD thesis external evaluator – Università di Bari – Dottorato di ricerca in Biodiversità, Agricoltura, Ambiente (Pasquale Ricci) (2017)
- 2013 - 2016 9 PhD theses tutorship in Animal Biology/Fundamental Ecology/ Biological Resources/Earth system sciences: environment, resources and cultural heritage/Plankton ecology - University of Salento
dr. Giorgio Aglieri, dr. Giacomo Milisenda (2014)
dr. Serena Zampardi, dr. Mar Bosch-Belmar (2016)
Co-tutorship University of Tuscia (Viterbo) dr. Simonetta Scorrano (2015)
Co-tutor University of Modena and Reggio Emilia Dr.ssa Rosa Caprioli (2015)
Co-tutor Université de Carthage, Tunisia at Faculté des Sciences de Bizerte dr.ssa Sonia Gueroun (2013-2015)
- 2015 first year University of Aix Marseille - Steering Committee PhD thesis (Justine Gadreaud)
- 2014 University of Alicante (Spain) Chairman Steering Committee PhD (Cesar Bordehore Fontanet)
- 2012 Joint PhD École doctorale Systèmes Intégrés, Environnement et Biodiversité, École Pratique des Hautes Études, France and Università del Salento - Steering Committee PhD Fundamental Ecology - Dr. Rita Sahyoun
- 2012 Co-tutorship University of Milano (Alessandro Dell'Anna) (2012)
University of Palermo Steering Committee PhD Animal Biology (XIX cycle, XXII cycle)
University of Messina Steering Committee PhD PhD Environmental Sciences: Marine Environment and Resources (XXI cycle)
- 2011 Co-tutor PhD thesis Universidad de Cadiz, Dr Manuel Maria Gonzalez-Duarte (2011)
- 2009 University of Milano Steering Committee PhD Animal Biology
- 2008 University of Basel (Switzerland) Steering Committee PhD in Developmental Biology (Daria Graziussi)

SCIENTIFIC ACTIVITY
 (PROJECTS AND RESEARCH GRANT)

2018 - 2019	Scientific Coordinator project WELCOME - INTERREG Italy-Albania-Montenegro
2016 - 2019	National Coordinator PRIN Italian National Project "PHENIX - From cell fate plasticity to tissue homeostasis to longevity: insights from two emerging model invertebrates, the "immortal jellyfish" <i>Turritopsis dohrnii</i> and the budding ascidian <i>Botryllus schlosseri</i> "
2016-2020	Principal Investigator H2020 CERES project - Climate change and European aquatic resources (jellyfish impact on fishery and aquaculture) CONISMA-Lecce Research Unit
2016 - 2018	Scientific Coordinator EC-Marie Sklodowska-Curie IF project PULMO "Population dynamics, trophic interactions, and exploitation of a novel nutraceutical and pharmaceutical marine resource: the Mediterranean sea lung, <i>Rhizostoma pulmo</i> "
2012 - 2015	Scientific Coordinator ENPI CBC MED project MED-JELLYRISK (www.jellyrisk.eu) 2012 - 2015: "Integrated monitoring of jellyfish outbreaks under anthropogenic and climatic impacts in the Mediterranean Sea (coastal zones): trophic and socio-economic risks"
2011- 2015	WP Leader / Steering Committee Member - EC 7th FP Project VECTORS "Vectors of Change in Oceans and Seas Marine Life, Impact on Economic Sectors WP2 Mechanisms of changes" - WP2.1) Outbreaks and invasive species".
2012 - 2016	Task Leader EU 7thFP COCONET "Towards COast to COast NETworks of marine protected areas (from the shore to the high and deep sea), coupled with sea-based wind energy potential - Lead Author deliverable D4.2 "Report on dynamics of the invasive species in the Mediterranean and Black Seas"
2012	ASSEMBLE Visiting grant /on site access Kristineberg Marine Station (Sweden) - Project coordinator research proposal MORPHOS-GAP "Role of intercellular gap junction communications in morphogenesis and neural development of the basal metazoan <i>Clava multicornis</i> (Hydrozoa, Cnidaria)" (main applicant)
2008 – 2010	National Coordinator PRIN 2007 Italian National Project " PROTOBRAIN - Origin and Evolution of centralized nervous systems in early metazoans"
2008	<i>Laudatio for the attribution of Degree Honoris Causa Human Biology to Walter J. Gehring</i> (March, 18 th 2008)
2003 – 2006	Scientific Coordinator EC 5th FP Project Marie Curie Project "MEDUSA - Genetic controls for hydrozoan life cycle reversal: Hox/Parahox gene inventory and expression studies".
2003	Sandgerdi Marine Center, Iceland - European Commission Grant Visiting Scientist
2000 – 2003	PNRA - Programma Nazionale Ricerche in Antartide (2000, 2002 POLARSTEN R/V, Alfred Wegener Institute; Coordinator, Biology group at the Italian Base "Mario Zucchelli", Terra Nova Bay, Ross Sea, Antarctica)
1999	National Research Council - Short-Term Mobility Grant, University of Basel (Switzerland)

 PROJECTS UNDER
 EVALUATION (submitted on)

11/2017

- **Scientific Coordinator project BLUESCAPE** - Programme PON-RI – PNR 2015-2020 Thematic area BLUE GROWTH – code ARS01_00814

01/2018

- **Scientific Coordinator project UNITED** - Programme ENI CBC-MED 2014-2020 - Priority area B.4.4 - Incorporate the Ecosystem-Based management approach to ICZM into local development planning


 RESEARCH PERIODS
 (Visiting scientist)

- 2017 Università de Lille 1, Lille (Francia) Dipartimento di Biologia (*Jellyfish biology and ecology*)
 2015 Smithsonian Tropical Research Institute - Panama (2 weeks)
 2003 Sandgerdi Marine Center (Iceland) (1 month)
 1995-2005 Zoology Institute of the University of Basel and the Biocenter/Pharmacenter, Basel (2-3 weeks per year)
 1992 Friday Harbor Laboratories, University of Washington BC, USA (2 months),
 1998 National Environmental Council UK, Plymouth (2 months)
 1987 - 1989 Stazione Zoologica of Naples (PhD fellow)

THIRD MISSION
(International outreach only)

- 2017 THE NEW YORK TIMES "***When This Sea Slug Eats, It Prefers the Turducken of the Sea***"
Nov, 1st 2017
 SCIENCE (AAAS) "***This sea slug has a trick for getting an extra treat***". Oct, 31st 2017 THE
 NEW YORK TIMES "***Jellyfish Seek Italy's Warming Seas. Can't Beat 'Em? Eat 'Em***"
 - **Sept, 17th 2017**. A version of this article appeared in print on September 18, 2017, on
 Page A8 of the New York edition with the headline: "As Jellyfish Swarm the Seas Off
 Italy, a Fix Emerges: Try Ragu, or Sashimi".
 BBC EARTH "***The animal that lives forever***" (on *Turritopsis dornanii* and the PRIN project
 PHENIX).
 THE GUARDIAN "***Are you ready for that jelly? Why it's time to start eating jellyfish***" **Sept,**
25th 2017
 2016 NATIONAL GEOGRAPHIC "Like 'Deadpool,' This Jellyfish Has Amazing Superpowers
 2014 (<https://goo.gl/8EMhVL>)
 EUROCEAN 2014 - EUROPEAN MARINE BOARD EVENT (ROME, October 7-9) - Invited
 2014 Speaker "Citizen Science in Action (Jellywatch)"
 Suez Canal expansion could see more alien species invade the Mediterranean. The
 2014 Conversation. (<https://goo.gl/BuJt9R>)
 NATIONAL GEOGRAPHIC Beautiful, Golden Jellyfish Invading Fisher's Nets Is a New Species
 2014 (<https://goo.gl/EeKSQE>)
 The beautiful new jellyfish identified in the Gulf of Venice. The Conversation
 2013 (<https://goo.gl/6rXQDM>)
 THE GUARDIAN Jellyfish surge in Mediterranean threatens environment – and tourists (on ENPI
 CBC MED project Med-Jellyrisk) (<https://goo.gl/qa17kF>)
 2009 NATIONAL GEOGRAPHIC "Immortal" Jellyfish Swarm World's Oceans (<https://goo.gl/4Obj>)
 2008 SUPERJELLYFISH (Movie) by Cuissot P, Lossignol F. (film directors) Cuissot P, Turquet B. (film
 writers) - Gideon production (France) (53 minutes). <https://goo.gl/AAydMa>

Signature



Lecce 18/03/2019