

Francesco Paolo Patti



Born in Nardò (Lecce) Italy on 28/06/1969

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Current Position: Tecnologo III° livello

Current Affiliation:

Integrated Marine Ecology Section, Stazione Zoologica Anton Dohrn, branch office "Villa Dohrn" Ischia Napoli (Italy) and Head of the SZN Office (SIAT) for development and management of Automated Informative Systems and Telecommunications

Education/Training/Experience

Institute and Location	Degree / Function	Year	Field of Study
Biological Sciences - University of Naples "Federico II" (Italy)	MSc	1994	Marine biology
University of Turin and Pavia, Stazione Zoologica Anton Dohrn (Italy) in collaboration with the Laboratoire Arago - Observatoire Océanologique de Banyuls-sur-mer, Université Pierre et Marie Curie (France)	Ph.D.	1999	Biological sciences
Department of Organismic & Evolutionary Biology - Harvard University, Cambridge (USA)	Postdoc	1999-2002	Molecular ecology of marine invertebrates
Functional and Evolutionary Ecology Laboratory - Stazione Zoologica Anton Dohrn, Naples (Italy)	Ricercatore	2002-2009	Macroalgal evolution and phylogeography
Branch Office "Villa Dohrn", Ischia - Integrated Marine Ecology Section - Stazione Zoologica Anton Dohrn, Naples (Italy)	Tecnologo	2009-present	Phylogeny and phylogeography of marine organisms

Appointments and awards

10/11/97-06/18/98 - Training stage on molecular biology at the Observatoire Océanologique de Banyuls (Laboratoire Arago), Université Pierre et Marie Curie - Paris VI, under the supervision of Prof. Jean-Pierre Feral.

03/03/98-03/13/98 - European TMR practical training course: Concepts and Methods for Studying Marine Biodiversity, from Gene to Ecosystem. Observatoire Océanologique de Banyuls-sur-mer, Université Pierre et Marie Curie. CNRS - INSU.

07/19/98-08/25/98 - Summer Quarter course. Molecular Population Biology and Ecology. Friday Harbor Laboratories. University of Washington, Friday Harbor, Seattle, Washington.

10/01/99-09/30/00 - Postdoctoral fellowship provided by the "Consiglio Nazionale delle Ricerche". Department of Organismic & Evolutionary Biology, Harvard University.

10/01/00-09/30/01 - Postdoctoral fellowship provided by the Zoological Station "A. Dohrn" of Naples (grant in memory of Prof. Gaetano Salvatore). Department of Organismic & Evolutionary Biology, Harvard University.

10/01/01-10/04/02 - Postdoctoral fellowship provided by the Harvard University, Cambridge MA USA. Department of Organismic & Evolutionary Biology, Harvard University.

2001-2004 - Contract Professor of Marine Biology at the University of Viterbo (Italy).

2005-2006 - Contract Professor in Marine Biology and Microbiology at the University of Naples Federico II (Italy).

Other

Member of the European Society for Evolutionary Biology (ESEB) from 1997.

Member of the Società Italiana di Biologia Marina (SIBM) from 1997.

Member of the Società Italiana di Entomologia (SEI) from 1990.

Member of the Società Italiana di Malacologia (SIM) from 1980.

Member of the Sociedad Española de Malacologia (SEM) from 2002.

From 2006 to 2010 - Member of the Editorial Board: "Marine Ecology. An evolutionary perspective".

From 2010 - Co-Editor di Italian Journal of Malacology.

From 2008 - Contributing Editor of Aquatic Biology.

2005 - Local organizer: "Marine Evolutionary and Ecological Genomics". Summer course for the Network of Excellence, Marine Genomic Europe (FPVI); SZN, Napoli Italy;

2005 - Local organizer IV International Congress of the European Malacological Societies, Napoli Italy.

From 2004 to 2008 - Coordinator: "Adaptive variation: Hydrothermal species and adaptation to extreme conditions" workpackage (Environmental Genomics-EDD node).

From 2004 to 2008 - Co-leader: "Biogeography & Phylogeography: Mediterranean area and transition zones" workpackage (Environmental Genomics-EDD node).

From 2006 to 2008 - Co-Coordinator: "Genomic Identity of Species" workpackage (Environmental Genomics-EDD node).

Students' Supervision

PhD supervisor of four Ph.D. students (internal supervisor, dir. of studies, external) and eight MSc students (past and present)

Publications

Author of 33 publications in JCR journals (h-index: 11, i10-index:11) and 1 book chapter. 566 Citations in JCR journals, 475 citation since 2010 (google scholar data).

List of publications of the last 10 years (2005-present):

Peer-reviewed publications:

- Patti FP (2005) The success of invasive species in the mediterranean basin. Molecular tools to identify non indigenous benthic species. *Biogeographia* 25: 74-79.
- Russo GF, Patti FP (2005) Early life history of two closely related gastropods, *Rissoa auriscalpium* and *Rissoa italiensis* (Caenogastropoda: Rissoidae). *Marine Biology* 147: 429-437.
- Iannotta MA, Patti FP, Ambrosino M, Procaccini G, Gambi MC (2007) Phylogeography of two species of *Lysidice* (Polychaeta, Eunicidae) associated to the seagrass *Posidonia oceanica* in the Mediterranean Sea. *Marine Biology* 150: 1115-1126.
- Iuri V, Patti FP, Procaccini G (2007) Phylogeography of the sea urchin *Paracentrotus lividus* (Lamarck)(Echinodermata: Echinoidea): first insights from the South Tyrrhenian Sea. *Biodiversity in Enclosed Seas and Artificial Marine Habitats: Springer Netherlands*. pp. 77-84.
- Criscione F, Scuderi D, Patti FP (2009) Revising α -taxonomy in shelled gastropods: The case of *Rissoa panhormensis* Verduin, 1985 (Caenogastropoda: Rissoidae). *Nautilus* 123: 303.
- Iannotta MA, Gambi MC, Patti FP (2009) Molecular evidence of intraspecific variability in *Lysidice ninetta* (Polychaeta: Eunicidae) in the Mediterranean Sea. *Aquatic Biology* 6: 121-132.
- Iannotta MA, Toscano F, Patti FP (2009) *Nassarius corniculus* (Olivi, 1792)(Caenogastropoda: Nassariidae): a model of environmental complexity of Italian brackish and marine habitats. *Marine Ecology* 30: 106-115.
- Zupo V, Patti FP (2009) Laboratory spawning, larval development and metamorphosis of the marine snail *Nassarius reticulatus* (L.)(Caenogastropoda, Nassariidae). *Invertebrate Reproduction & Development* 53: 23-31.
- Chenuil A, Hoareau TB, Egea E, Penant G, Rocher C, Aurelle D, Mokhtar-Jamai K, Bishop JDD, Boissin E, Diaz A (2010) An efficient method to find potentially universal population genetic markers, applied to metazoans. *BMC evolutionary biology* 10: 276.
- Cigliano M, Gambi MC, Rodolfo-Metalpa R, Patti FP, Hall-Spencer JM (2010) Effects of ocean acidification on invertebrate settlement at volcanic CO₂ vents. *Marine Biology* 157: 2489-2502.
- Criscione F, Patti FP (2010) Similar shells are not necessarily a reliable guide to phylogeny: *Rissoa guerinii* Récluz, 1843, and *Rissoa lia* (Monterosato, 1884)(Caenogastropoda: Rissoidae): a case study. *Nautilus* 124: 117-128.
- Andreakis N, D'Aniello S, Albalat R, Patti FP, Garcia-Fernández J, Procaccini G, Sordino P, Palumbo A (2011) Evolution of the nitric oxide synthase family in metazoans. *Molecular biology and evolution* 28: 163-179.
- Lorenti M, Gambi MC, Guglielmo R, Patti FP, Scipione MB, Zupo V, Buia MC (2011) Soft-bottom macrofaunal assemblages in the Gulf of Salerno, Tyrrhenian Sea, Italy, an area affected by the invasion of the seaweed *Caulerpa racemosa* var. *cylindracea*. *Marine Ecology* 32: 320-334.
- Rodolfo-Metalpa R, Houlbrèque F, Tambutté É, Boisson F, Baggini C, Patti FP, Jeffrey R, Fine M, Foggo A, Gattuso JP (2011) Coral and mollusc resistance to ocean acidification adversely affected by warming. *Nature Climate Change* 1: 308-312.
- Garrard SL, Gambi MC, Scipione MB, Patti FP, Lorenti M, Zupo V, Paterson DM, Buia MC (2014)

- Indirect effects may buffer negative responses of seagrass invertebrate communities to ocean acidification. *Journal of Experimental Marine Biology and Ecology* 461: 31-38.
- Maibam C, Fink P, Romano G, Buia MC, Gambi MC, Scipione MB, Patti FP, Lorenti M, Butera E, Zupo V (2014) Relevance of wound-activated compounds produced by diatoms as toxins and infochemicals for benthic invertebrates. *Marine biology* 161: 1639-1652.
- Corriero G. PC, Accoroni S., Alabisio G., Bavestrello G., Barbone E., Bastianini M., Bazzoni A.M., Bernardi Aubry F., Boero F., Buia M.C., Cabrini M., Camatti E., Cardone F., Cataletto B., Cattaneo Vietti R., Cecere E., Cibic T., Colangelo P., De Olazabal A., D'Onghia G., Finotto S., Fiore N., Fornasaro D., Frascchetti S., Gambi M.C., Giangrande A., Gravili C., Guglielmo R., Longo C., Lorenti M., Luglie A., Maiorano P., Mazzocchi M.G., Mercurio M., Mastrototaro F., Mistri M., Monti M., Munari C., Musco L., Nonnis-Marzano C., Padedda B.M., Patti F.P., Petrocelli A., Piraino S., Portacci G., Pugnetti A., Pulina S., Romagnoli T., Rosati I., Sarno D., Satta C.T., Sechi N., Schiapparelli S., Scipione B., Sion L., Terlizzi A., Tirelli V., Totti C., Tursi A., Ungaro N., Zingone A., Zupo V. & Basset A (2015) Ecosystem vulnerability to alien and invasive species: a case study on marine habitats along the Italian coast. *Aquatic Conservation: Marine and Freshwater Ecosystems*.
- Kumar A, Castellano I, Patti FP, Palumbo A, Buia MC (2015) Nitric oxide in marine photosynthetic organisms. *Nitric Oxide* 47: 34-39.

Book Chapters:

- Procaccini G., Migliaccio M., Iannotta M.A., Patti F.P., Gambi M.C (2005). Contributo della genetica allo studio ed alla conservazione della comunità a *Posidonia oceanica*. In: De Filippo G., Fulgione D.. *Gestione della Fauna selvatica e conservazione della biodiversità*. p. 79-85, ROMA:T-scrivo edizioni, ISBN: 88-7530-000-3