

MARIA-PIA MIGLIETTA
Curriculum Vitae

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EDUCATION

- Nov. 2005 Marine Science Network Post Doctoral Fellow at the Smithsonian Tropical Research Institute in Panama with Dr. Rachel Collin and Dr. Harilaos Lessios.
- 2000-2005 Ph.D.. Dept. of Biology, Duke University. Thesis in Evolutionary Biology: "*A global prospective on life cycle, colony form and skeleton evolution in the Hydractiniidae (Cnidaria, Hydrozoa), with a taxonomic revision of the family*". – Advisor: Prof. Cliff Cunningham, Co-Advisor: Dr. Dale Calder. (Financial support: NSF, PEET project).
- June 2000 Course participation on "Hydrozoan taxonomy". Lecce (Italy). Organized by Prof. F. Boero and Prof. C. Cunningham (financed by NSF, PEET project).
- 1996-97 Two year fellowship on hydromedusan life cycles and epiphytic hydroids of the seaweed *Cystoseira*, Laboratory of Zoology, University of Lecce (Italy).
- Sept-Oct 1996 Internship at the Bodega Marine Laboratory, University of California – Davis, to learn rearing techniques of gelatinous zooplankton.
- July 1996 Laurea (M.Sc. equivalent) in Biological Sciences - University of Lecce (Italy) with thesis on "*Feeding behavior and life cycle of some species of Hydroidomedusae*". Final grade 110/110 *Summa cum Laude*.

RESEARCH/TEACHING

- 2005 Co-advisor to master student Maria Rosaria Schirosi at Università' di Lecce; thesis on "Taxonomy and phylogeny of the genus *Eudendrium* (Hydrozoa, Cnidaria) of the Mediterranean Sea."
- 2001/2005 Mentor to Biology Major Undergraduate Student Leah McNally at Duke University.
- 2001 Teaching Assistant for the Class "Organism Biodiversity" – Dept. of Biology, Duke University.
- June 2000 Part of the Organizing Committee of the International Course on Hydrozoan Taxonomy financed by NSF (PEET project)
- 2002 Project "Benthonic marine communities of the Marine Reserve of Porto Cesareo (Apulia, Italy): Characterization and evaluation of their healthiness status." Coordinator: Prof. F. Boero (University of Lecce).

- 1999-2000 Project INTERREG for the study of Protected Marine Areas in Italy and Greece (financed by the European Union and the Region Apulia), Coordinator: Prof. F. Boero (University of Lecce).
- 1998-2000 Fellowship to study the benthic community of the Apulian Coast – Lab. of Zoology, University of Lecce. Supervisor: Prof. F. Boero.
- 1998 Project on “Marine communities of the Porto Selvaggio Coastal Area (Lecce, Italy)”– University of Lecce.
- 1996-98 Project PRISMA II: “Bionomical characterization of rocky bottom habitats in the Southern Adriatic Sea” – Laboratory of Zoology, University of Lecce.
- 1997 Taxonomic identification and reorganization of the zoological collections at the Museum of the Marine Station of Porto Cesareo, University of Lecce, Italy.

PUBLICATIONS

F. Boero, C. Gravili, F. Denitto, **M.P. Miglietta**, J. Bouillon, (1997). “The rediscovery of *Codonorchis octaedrus*, Hydroidomedusae, Anthomedusae, Pandeidae with an update of the Mediterranean hydromedusan biodiversity”. *It.J.Zool*, 64: 359-365.

Miglietta M.P., Della Tommasa L., Denitto F., Pagliara P., Gravili C., (1998). “Hydroids, hunting without moving”. *Biol.Mar.Medit.* 5 (1): 362-364.

Fraschetti S., C.N.Bianchi, F. Boero, M.C. Buia, L. Della Tommasa, F. Denitto, L. Esposito, G. Fanelli, A. Giangrande, **M.P. Miglietta**, C. Morri, S. Piraino, F. Rubino (1999). “Human disturbance and biodiversity along the Apulian coast” *Biol.Mar.Medit.* 6 (1): 198-204

Belmonte G., F. Denitto, A. Constantini, M. Poto, R. Onorato, L. Della Tommasa, **M.P. Miglietta** (1999). “Marine communities of the coast of the Porto Selvaggio Area (Lecce, Italy)”. Scientific report for the Dept. of Zoology, University of Lecce and Province of Lecce.

S. Frascchetti, A. Terlizzi, G. Fanelli, **M.P. Miglietta**, G. Belmonte, C. Morri, C.N. Bianchi (1999). “Biodiversity of the Ionic Coast of Salento.”. Scientific report for the Dept. of Zoology, University of Lecce and Province of Lecce. 101 Pg.

G. Fanelli, S. Frascchetti, **M.P. Miglietta**, A. Terlizzi (1999). “State of the marine communities offshore the protected area “Le Cesine” (Vernole, Lecce, Italy).” Scientific report for the Dept. of Zoology, University of Lecce.

S. Frascchetti, C.N. Bianchi G. Fanelli C. Morri A Terlizzi , **M.P. Miglietta**, F. Boero. (1999). “Biodiversity and human disturbance in subtidal landscapes: a regional approach.” *IX Congresso S.It.E*, 81.

L. Della Tommasa, **M.P. Miglietta**, R. Onorato, M.Poto, M. Vetere (1999). “Ecological investigation on the submarine cave “Le Corvine” (Nardo, Lecce, Italy): preliminary data.” *Biol. Mar. Medit.*, 6 (1): 343-346.

Fraschetti S., Terlizzi A., Belmonte G., Fanelli G., Bussotti S., Pierri C., D'Ambrosio P., **Miglietta M.P.**, Boero F. (2000). “Benthic communities of the Marine Reserve of Porto

Cesareo, with an evaluation of their status" Scientific report for the Dept. of Zoology, University of Lecce 84 pp.

Miglietta M.P., L. Della Tommasa, F. Denitto, C. Gravili, P. Pagliara, F. Boero. (2000) "Approaches to hydromedusan ethology". In *Trends in Hydrozoan Biology – IV - Scientia Marina* edited By CE Mills, F. Boero, A. Migotto, J.M. Gili, 64 (suppl.1): 63-71.

S. Fraschetti, A. Giangrande, A. Terlizzi, **M.P. Miglietta**, L. Della Tommasa & F. Boero "Spatio-temporal variation of hydroids and polychaetes associated to *Cystoseira amentacea* (Fucales, Phaeophyceae): a regional scale approach". *Marine Biology* – 2002, 140: 949-957.

Pederson J., R. Bullock, J. Carlton, P. Dyrinda, R. Fisher, L. Harris, N. Hobbs, G. Lambert, E. Lazo-Wasem, A. Mathieson, **M. P Miglietta**, J. Smith, J. Dijkstra, N. Dobroski, M. Tyrrell, J. Smith. (2005). Rapid assessment survey of the U.S. Northeast Coast -Non-native and native species of floating dock fouling communities from Maine through New York City - Report of the August 3-9, 2003 Survey.

Miglietta M.P., Kubota S. (2005) Unique behavior of the hydroids of *Eugymnanthea* (Hydrozoa, Leptomedusae, Eirenidae) living in the mantle cavity of bivalves. *Thalassia Salentina*. In press

Miglietta M.P., Kubota S., Schuchert P. Species in the genus *Turritopsis* (Cnidaria, Hydrozoa), a molecular evaluation and a taxonomic synopsis. In prep

Miglietta M.P. and Cunningham C.W. Phylogeny, life cycle and colony morphology evolution in the Hydractiniidae (Hydrozoa, Cnidaria). In prep.

Miglietta M.P. Heterochronic trends in Hydrozoa and their ecological meaning. In prep.

Miglietta M.P. and Cunningham C.W. Evolution of calcium carbonate skeleton in the Hydractiniidae. In prep.

Miglietta M.P. Description of *Hydractiniia antonii*, a new calcified Hydractiniidae from Alaska. In prep.

MEETINGS AND PRESENTATIONS:

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| May 2005 | Duke University. Final Dissertation Seminar |
| Jan. 2005 | Society for Integrative and Comparative Biology, San Diego. Oral presentation |
| Nov. 2004 | Duke University. Population Biology Seminar Series. Talk |
| July 2004 | Evolution Meeting – Fort Collins, Colorado - Oral presentation |
| Jan 2004 | Society for Integrative and Comparative Biology, New Orleans.
Two Oral Presentations; one as Invited Speaker at the Symposium on Basal Metazoa organized by Neil Blackstone |
| July 2003 | ICCB/ISRS (International conference on Coelenterate Biology and International Society for Reef Studies) – Lawrence (Kansas) - Oral Presentation |
| Jan. 2003 | Hydrozoan Society - Langeeban - South Africa – Oral Presentation |

- Sept. 2002 Unione Zoologica Italiana (UZI) –Calabria (Italy). Two Poster Presentations
- Aug. 2001 Kominato Marine Laboratory - Japan – Talk
- July 2001 Misaki Marine Station - Japan – Talk
- May 2001 Partnership for Enhancing Expertise in Taxonomy (PEET) biannual meeting – Berkeley (CA) - Poster Presentation
- Sept. 1998 Hydrozoan Society – Bodega Bay (CA) - Oral Presentation
- June 1997 Italian Society of Marine Biology - Trani (Italy) - Two Poster Presentations

FIELD WORK EXPERIENCE

- Sept. 2004 **Beaufort – North Carolina, USA** - Collection of Hydrozoa (Cnidaria) by dredging and plankton net filtering
- Aug. 2003 Participant as expert on Hydrozoan taxonomy to the Rapid Assessment Survey for Invasive Species (RAS), along **the East US Coast** organized by J. Carlton (William- Mystic College) and J. Pederson (MIT).
- Aug. 2003 **Iceland** - Collection of Hydrozoa by SCUBA diving
- Jan. 2003 **South Africa** - Collection of Cnidaria by SCUBA diving
- Oct. 2001 **Woods Hole - Massachusetts, USA** – Collection of Hydrozoa by dredging
- June-Aug. 2001 **Japan** –Collection of Cnidaria by SCUBA diving and dredging
- Dec. 2000 **Italy** - Collection of Hydrozoa by SCUBA diving
- Oct. 2000 **Beaufort –North Carolina - USA** Collection of Hydrozoa by dredging and Plankton net filtering
- Dec.-Jan 2000 **New Zealand** – Collection of Hydrozoa by SCUBA diving
- 1997-2000 **Italy** – Biodiversity surveys by SCUBA diving along the Apulian coast and in Apulian marine caves

SKILLS

Languages: Written English: Very Good; Spoken English: Fluent, Italian: mother tongue; Spanish: basic.

Computer skills: Knowledge of a number of software for phylogenetic analyses and sequence alignment (CLUSTALX and W, Paup*, Sequencer, MrBayes, Modeltest, Arlequin, MacClade, Mesquite, CONTINUOS etc), and Microsoft office etc.

International diving license: “advanced” (CMAS).

More than 120 SCUBA dives for scientific purpose.