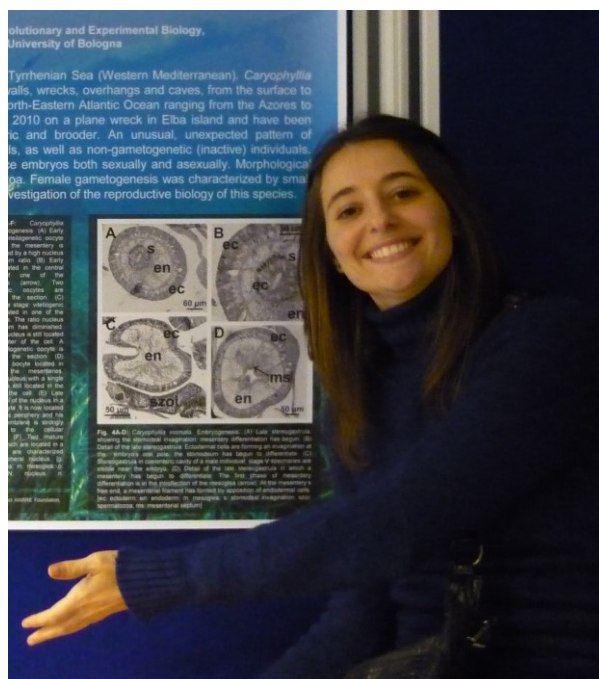


CURRICULUM VITAE

Last update: 20/05/2016



Chiara Marchini

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Home: Via F. Barbieri 8, 40129 Bologna, Italy, European Union

Nationality: Italian

Date of birth: 10 April 1984

Place of Birth: Bologna

Gender: Female

Education

- May 2016 Ph. D. in "Biodiversity and Evolution", University of Bologna (Italy). Ph. D. Thesis: Reproduction and population structure in temperate and tropical corals in relation to environmental parameters. Supervisor: Dr Stefano Goffredo
- July 2011 Master Degree in "Biodiversity and Evolution", Alma Mater Studiorum – University of Bologna, Bologna (Italy).
Title of Thesis: "Reproduction of the solitary coral *Caryophyllia inornata* (Scleractinia; Caryophyllidae). Morphological aspects of gametogenesis and ontogenesis". Vote degree 109/110.
- October 2008 Degree in Biological Sciences, Alma Mater Studiorum – University of Bologna, Bologna (Italy).
Title of Thesis: "Monitoring of the population of the common toad (*Bufo bufo* (L.)) of the Botanical Garden of the University of Bologna." Vote degree 104/110.
- July 2003 Diploma Scientific, Liceo Scientifico "A. B. Sabin", Bologna (Italy).

Areas of scientific interests

Reproductive biology and ecology of temperate corals (sexual and asexual reproduction, morphology of gametogenesis); global climate change and its effect on temperate and tropical coral-reef communities.

Professional experience

- April 2016 Postdoctoral fellowship. "Fish stock assessments. Critical analysis of existing assessments identifying vulnerabilities. Using experimental sampling data for alternative assessments as support for management plans", Laboratory of Marine Biology and Fishery of the Department of Biological, Geological and Environmental Sciences, University of Bologna (Italy). Funds by CoNISMa, Rome, for the project "Scientific basis and instruments in support of the fishery resources management plans (MIPAF fishing net III).
- January 2014 Volunteer researcher. "STE: Scuba Tourism for the Environment" project dissemination and volunteer involvement in Marsa Alam areas (Egypt).
- August 2013 Volunteer researcher. (EURIAS) Fellowship Programme, FP7, "Self-fertilization as a mechanism for population maintenance in a changing environment". Coral sampling in Mediterranean Sea (Calafuria).
- September 2012 Volunteer. Monitoring and management of wildlife, territory control, assistance to visitors and maintenance of the path network. National Park of Casentino Forests.
- February 2012 Scientific Dissemination. Assignment of collaboration for the project "Art and Science on the Square". Marino Golinelli Foundation, via Ragazzi del 99 n°5 Bologna (Italy).
- September 2012 Scientific Dissemination. Assignment of collaboration for the exhibition "150 years of Science" with the exhibit "Questions of chemistry". Association Festival of Science, Genova (Italy).
- July 2010 Volunteer researcher. EU FP7 – Ideas programme "Corals and Global Warming: the Mediterranean versus the Red Sea" (CoralWarm). Coral and sessile organism sampling in Mediterranean Sea (Palinuro).

- April 2009 Volunteer. Sampling and monitoring of ichthyic fauna in collaboration with the Province of Florence. Department of Evolutionary and Experimental Biology, Alma Mater Studiorum – University of Bologna (Italy).
- February 2008 Volunteer. Monitoring and data analysis of common toad (*Bufo bufo*) populations that live in the Bologna botanic garden. Department of Evolutionary and Experimental Biology, Alma Mater Studiorum – University of Bologna (Italy).

International advisory

- 2014 **Assistant assessor**.
IUCN, International Union for Conservation of Nature. Center for Mediterranean Cooperation (<http://www.iucn.org/>; www.iucn.org/mediterranean).
Mediterranean Red List Assessments of Anthozoans
- 2013-today **Referee**
Tissue and cell. Elsevier, Amsterdam (1 manuscript).
Assistant referee.
Marine Biodiversity. Springer, Dordrecht, Netherlands (1 manuscript).
Coral Reefs. Journal of the International Society for Reef Studies, Springer, New York, USA (2 manuscript).
Journal of the Marine Biological Association of the United Kingdom. Cambridge University Press, Cambridge, UK (2 manuscript).
Hydrobiologia. Springer, Dordrecht, Netherlands (1 manuscript).

Research abroad

- July-October 2014 I collaborated closely with Dr Gretchen Goodbody-Gringley on a research related to variations in reproductive effort by depth in the two common Caribbean corals *Monastrea cavernosa* and *Orbicella franksii*. This work involved collecting and fixing specimens, conducting in situ coral surveys, and monitoring coral spawning in the laboratory. I also assisted in field and laboratory work related to the various research projects on Caribbean corals and invasive species and I shadowed other students to learn molecular techniques. In addition, I had the opportunity to participate in an oceanographic research cruise on the RV Atlantic Explorer where I learned techniques in shipboard sampling for oceanography.

Funding ID

- July 2014 Scholarship of 4,050 Euros from Marco Polo program (abroad research fellowship program), Department Integrated Budget, University of Bologna, Ministry of Education, Universities and Research for the project “Variations in reproductive effort by two common coral species in shallow versus mesophotic habitats in Bermuda”. Coordinators: Dr Gretchen Goodbody - Gringley, Bermuda Institute of Ocean Sciences, Bermuda; Harvard University, USA; Dr Chiara Marchini and Dr Stefano Goffredo Department of Biological, Geological and Environmental Sciences, University of Bologna.
- May 2014 Scholarship for volunteer internship of 3,903.90 US dollars (=2,8581Euros), Bermuda Institute of Ocean Sciences for the project “Variations in reproductive effort by two common coral species in shallow versus mesophotic habitats in Bermuda”. Coordinators: Dr Gretchen Goodbody - Gringley, Bermuda Institute of Ocean

Sciences, Bermuda; Harvard University, USA; Dr Chiara Marchini and Dr Stefano Goffredo Department of Biological, Geological and Environmental Sciences, University of Bologna.

Prizes

March 2016	Travel Award for the 13th International Coral Reef Symposium registration fee (US\$370)
April 2014	Grant-In-Aid Fellowship Award of 3,045 US dollars (= 2,204.74 Euros), Bermuda Institute of Ocean Sciences for the project “Variations in reproductive effort by two common coral species in shallow versus mesophotic habitats in Bermuda”. Coordinators: Dr Gretchen Goodbody - Gringley, Bermuda Institute of Ocean Sciences, Bermuda; Harvard University, USA; Dr Chiara Marchini and Dr Stefano Goffredo Department of Biological, Geological and Environmental Sciences, University of Bologna.
May 2012	Prize “Mario Pasquini” (www.premiomariopasquini.org), for the M. Sc. Thesis “Reproduction of the solitary coral <i>Caryophyllia inornata</i> (Scleractinia; Caryophylliidae). Morphological aspects of gametogenesis and ontogenesis”.

Other qualifications

July 2015	<u>Rescue diver</u> . Scuba Nitrox Safety International (SNSI).
May 2014	<u>Oxygen supplier</u> . Scuba Nitrox Safety International (SNSI).
July 2013	<u>Advanced open water diver</u> . Scuba Nitrox Safety International (SNSI).
April 2009	<u>Basic Life Support</u> . Scuba Nitrox Safety International (SNSI).
October 2008	<u>Open Water Diver</u> . Scuba Nitrox Safety International (SNSI).

Membership in professional societies

2016	International Society for Reef Studies
2014-today	American Academy of Underwater Sciences

Participation to research projects

1 June 2010-today	Researcher. Corals and Global Warming: the Mediterranean versus the Red Sea” (CoralWarm), coordinated by Dr Stefano Goffredo, Prof. Zvy Dubinsky and Prof. Giuseppe Falini, funds by the European Research Council (FP7 – IDEAS programme), European Union.
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Supervision of students

2015-2016	Elena Guidi; Bachelor of Science in Natural Sciences; Thesis: “Study of the reproductive capacity of the solitary and non-zooxanthellate coral <i>Caryophyllia inornata</i> along a latitudinal gradient of temperature and solar radiation; supervisor: Dr Stefano Goffredo, Department of Biological, Geological and Environmental Science (BiGeA); co-supervisor: Dr Chiara Marchini (BiGeA)
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- 2014-2015 Giada Tortorelli; Master of Biodiversity and Evolution; Thesis title: "Variation in the reproductive output of the non-zooxanthellate coral *Caryophyllia inornata* along a latitudinal gradient"; supervisor: Dr Stefano Goffredo, Department of Biological, Geological and Environmental Science (BiGeA); co-supervisor: Dr Chiara Marchini (BiGeA)
- 2013-2014 Roberto Fontana; Master of Marine biology; Thesis title: "Reproductive cycle of the solitary coral *Caryophyllia inornata* (Scleractinia, Caryophylliidae) driven by an unusual pattern of embryogenesis"; supervisor: Dr Stefano Goffredo, Department of Biological, Geological and Environmental Science (BiGeA); co-supervisor: Dr Chiara Marchini (BiGeA)

Active participation in scientific meetings

IN EXTENSO CONGRESS PROCEEDINGS

Goffredo S, **Marchini C**, Rocchi M, Airi V, Caroselli E, Falini G, Levy O, Dubinsky Z, Zaccanti F (2012). Reproduction of the solitary coral *Caryophyllia inornata* (Scleractinia, Caryophylliidae). Congress "Codice Armonico", IV Regional Congress of Natural Sciences, "Tuscany Environment", Castiglioncello (Livorno, Italy), 15-17 March.

ABSTRACTS

Goodbody-Gringley G, **Marchini C**, Chequer AD, Goffredo S (2016). Population structure of *Montastraea cavernosa* on shallow versus mesophotic reefs in Bermuda. 45th Annual Benthic Ecology Meeting, Portland (Maine), 16-19 March.

Marchini C, Airi V, Falini G, Levy O, Dubinsky Z, Goffredo S (2013). Annual reproductive cycle in a Mediterranean solitary coral *Caryophyllia inornata* driven by an unusual pattern of embryogenesis. ICCB 2013: The international conference on coelenterate biology, Eilat (Israel), 1-5 December.

Goffredo S, **Marchini C**, Rocchi M, Airi V, Caroselli E, Falini G, Levy O, Dubinsky Z, Zaccanti F (2011). Riproduzione del corallo solitario *Caryophyllia inornata* (Scleractinia, Caryophylliidae) nel Mediterraneo. LLXXII congresso nazionale dell'Unione Zoologica Italiana, Bologna (Italy), 5-8 September.

Goffredo S, **Marchini C**, Rocchi M, Zaccanti F (2010). Sexual condition and reproductive mode of a Mediterranean Caryophylliid solitary coral showing an unusual pattern of embryo production. EURO ISRS symposium 2010: Reefs in a changing environment, Wageningen (Netherlands), 13-17 December.

Book chapters

Airi V, Gizzi F, **Marchini C**, Goffredo S (2016) Sexual reproduction of Mediterranean scleractinian corals. In: Goffredo S., Dubinsky Z. (eds) The cnidaria, past, present and future. The world of Medusa and her sisters. Springer, Dordrecht, in press

Articles in peer review / impact factor journals

Goodbody-Gringley G, **Marchini C**, Chequer AD, Goffredo S (2015) Population structure of *Montastraea cavernosa* on shallow versus mesophotic reefs in Bermuda. PLoS ONE, 10: e0142427. doi: 10.1371/journal.pone.0142427

Marchini C, Airi V, Fontana R, Tortorelli G, Rocchi M, Falini G, Levy O, Dubinsky Z, Goffredo S (2015) Annual reproductive cycle and unusual embryogenesis of a temperate coral in the Mediterranean Sea. PLoS ONE, 10: e0141162. doi: 10.1371/journal.pone.0141162

Goffredo S, **Marchini C**, Rocchi M, Airi V, Caroselli E, Falini G, Levy O, Dubinsky Z, Zaccanti F (2012) Unusual pattern of embryogenesis of *Caryophyllia inornata* (Scleractinia, Caryophylliidae) in the Mediterranean Sea. Maybe agamic reproduction? Journal of Morphology, 273:943-956

Languages

Mother tongue Italian.

Other Languages English. Good reading, writing and speaking.

Technical skills and competences

I have good knowledge of windows-based software, office package, Internet, software for data acquisition and image processing (Nikon NIS-Elements, LEICA Q500IW), professional advanced statistical software (SPSS, Primer) and image editing (Photoshop and Illustrator).

In compliance with the Italian legislative Decree no. 196 dated 30/06/2003, I hereby authorize you to use and process my personal details contained in this document.

Chiara Marchini

