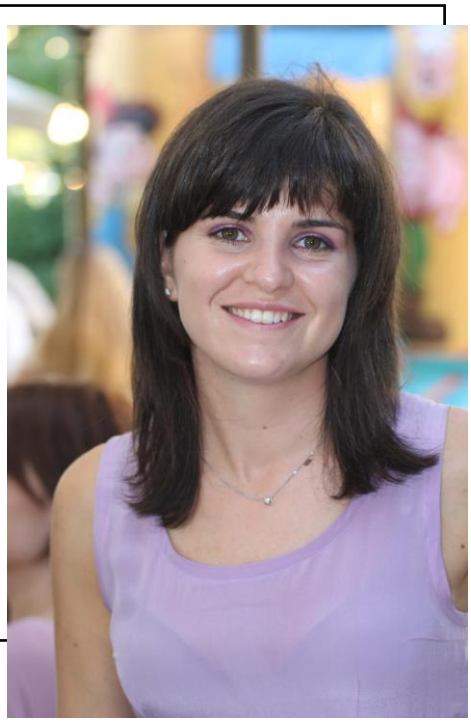
CURRICULUM VITAE

Last Update: 08/02/2016



Michela Reggi

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Home: Via Matteucci 19, 48018 Faenza RA

Nazionality: Italian
Date of Birth: 08/06/1986
Place of Birth: Faenza
Gender: F
Marital Status: Single

Education

02/2015-01/2016	Post-doctorate, Department of Chemistry "Giacomo Ciamician", Alma-Mater Studiorum-University of Bologna, Bologna. Research Project: "Characterization of intraskeletal organic matrix of Mediterranean corals".
01/2012-12/2014	PhD student in Chemistry: "Biomineralization in calcifying marine organisms". Alma-Mater Studiorum-University of Bologna, Bologna (Italy)
2011	Profession Biologist qualification certificate (state examination). Alma Mater Studiorum –University of Bologna, Bologna (Italy)
2011	Master Degree (M. Sc.) in Biodiversity and Evolution,Alma Mater Studiorum – University of Bologna, Bologna (Italy) "Biomineralization in Mediterranean corals (Scleractinia): Balanophyllia europaea, zooxanthellate, versus Leptopsammia pruvoti, azooxanthellate", making in cooperation with the Department of chemistry "G. Ciamician", University of Bologna.
2005	Scientific High School Degree at the Liceo Scientifico "Torricelli", Faenza (RA, Italy).

Areas of scientific interests

Biomineralization in calcifying marine organisms, in particular in Mediterranean and Red Sea corals; global climate change and its effect on biomineralization; crystallization experiments *in vitro*

Academic professional experience

2013	Abroad period: 3 months at Ruder Boskovic Institute, Zagreb, Croatia. Topic: Role of calcium carbonate supersaturation conditions on coral biomineralization. Alma Mater Studiorum – University of Bologna, Bologna (Italy).
2012-2013	Tutor activity for the course in "Fundamentals of chemistry", Degree in Technologies and diagnostics for conservation and restoration of cultural heritage. Alma Mater Studiorum-University of Bologna, Bologna (Italy)
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Other experience

2008 Advanced Open Water Diver. Scuba Nitrox Safety International (SNSI)

Articles in peer review / impact factor journals

C. Beato, M. S. Fernández, S. Fermani, **M. Reggi**, A. Neira-Carrillo, A. Rao, G. Falini, and J. L. Arias (2015) Calcium Carbonate Crystallization in Tailored Constrained Environments. CrystEngComm DOI: 10.1039/C5CE00783F

Pasquini L., Molinari A., Fantazzini P., Dauphin Y., Cuif J-P., Levy O., Dubinsky Z., Caroselli E., Prada F., Goffredo S., Di Giosia M., **Reggi M**., Falini G. (2015) Isotropic microscale mechanical properties of coral skeletons. Journal of The Royal Society Interface. DOI: 10.1098/rsif.2015.0168

Falini G., Fermani S., **Reggi M**., Njegić Džakula B., Kralj D. (2014) Evidence of structural variability among synthetic and biogenic vaterite. *Chem. Commun*, 50, 15370-15373.

Reggi M., Fermani S., Landi V., Sparla F., Caroselli E., Gizzi F., Dubinsky Z., Levi O., Cuif J-P., Dauphin Y., Goffredo S., Falini G. (2014) Biomineralization in Mediterranean corals: The role of the intra-skeletal organic matrix. *Crystal Growth and Design* **,***14* (9), pp 4310–4320

Vallisneri M., Montaninil S., Randi M.R., **Reggi M**., Tommasini S., Falini G. (2014). Preliminary results on organic and mineral fractions in otoliths of three fish species from Adriatic Sea. *Biologia Marina Mediterranea*. [lavoro presentato al 45° Congresso della SIBM-Società Italiana Biologia Marina, 19-23 maggio 2014, Venezia]

Goffredo S., Prada F., Caroselli E., Capaccioni B., Zaccanti F., Pasquini L.,Fantazzini P., Fermani S., **Reggi M.**, Levy O., Fabricius K. E., Dubinsky Z.(2014) Biomineralization control related to population density under ocean acidification. *Nature Climate Change* DOI:10.1038/nclimate2241

Calvaresi M, Falini G, Pasquini L, **Reggi M**, Fermani S, Gazzadi GC, Frabboni S, Zerbetto F (2013) Morphological and mechanical characterization of composite calcite/SWCNT-COOH single crystals. *Nanoscale* 5, 6944-6949.

Falini G, **Reggi M**, Fermani S, Sparla F, Goffredi S, Levy O, Dubinsky Z, Dauphin Y, Cuif JP (2013) Control of aragonite deposition in colonial corals by intra-skeletal macromolecules. *Journal of StructuralBiology* 183: 226-238.

Njegić-Džakula B, **Reggi M**, Falini G, Weber I,Brečević L, Kralj D (2012)The Influence of a Protein Fragment Extracted from Abalone Shell Green Layer on the Precipitation of Calcium Carbonate Polymorphs in Aqueous Media. *Croatica Chemica Acta*.

Goffredo S, Vergni P, **Reggi M**, Caroselli E, Sparla F, Levy O, Dubinsky Z, Falini G (2011) The skeletal organic matrix from Mediterranean coral *Balanophyllia europaea* influences calcium carbonate precipitation. *PLoS ONE* 6(7): e22338.

Active participation in scientific meetings

Reggi M, Landi V, Fermani S, Sparla F, Caroselli E., Gizzi F, Dubinsky Z, Levy O, Cuif JP, , Dauphin Y, Goffredo S, Falini G (2013) Biomineralization in Mediterranean corals. 8th International Conference on Coelenterate Biology (ICCB 8), Eilat (Israel), 1-5 Dicember 2013. (Oral presentation)

Reggi M, Landi V, Gizzi F, Fermani S, Sparla F, Goffredo S, Levy O, Dubinsky Z, Dauphin Y, Cuif JP, Falini G (2013) Biomineralization in Mediterranean scleractinian corals. 8th International Conference on Coelenterate Biology (ICCB 8), Eilat (Israel), 1-5 Dicember 2013. (Oral presentation)

Reggi M, Sparla F, Goffredo S, Dauphin Y, Falini G (2012) Biomineralization in Scleractinian Corals. XLI Congresso AIC, Verona, 11-14 September 2012 (Oral presentation).

Landi V, **Reggi M**, Sparla F, Goffredo S, Falini G (2012) Biomineralization in Mediterranean Scleractinian Corals. XLI AIC Congress, Verona, 11-14 September 2012. (Poster)

Sabbioni L, **Reggi M**, Goffredo S, Pasquini L, Falini G (2012) Effects of environmental paramiters on the tube shell mineralogy of marine organism. XLI AIC Congress, Verona, 11-14 September 2012. (Poster)

Bonacini I, Prati S, Mazzeo R, **Reggi M**, Falini G, Scavetta E, Tonelli D (2012) Sviluppo e sintesi di nano-micro sistemi inibitori della corrosione del bronzo. XIII Congresso Nazionale di Chimica dell'Ambiente e dei Beni Culturali, Taranto, 10-14 September 2012 (Poster).

Vergni P, **Reggi M**, Caroselli E, Sparla F, Levy Oren, Dubinsky Z, Goffredo F, Falini G (2010) The organic matrix influences precipitation patterns of skeletal calcium carbonate in the Mediterranean coral Balanophyllia europaea. EURO ISRS symposium 2010: Reefs in a changing environment, Wageningen (Netherlands), 13-17 December 2010 (Poster).

Languages

Mother tongue	Italian
Other Language	English: good reading, writing and speaking

Social and organizational skills and competences

Ability to work in group matured in many situations in which it was essential to the collaboration between different figures (research group, leisure). Communication skills (oral presentations at conferences). Supervision of trainees and undergraduates

Organizational skills gained in different contexts in which you must adhere to deadlines (research group) or managing meetings and training (catechesis for both children and peers).

Technical skills and competences

Use of machinery for crystallographic analysis:

- X-ray powder diffraction analyses (X-Celerator (PANalytical)); software “X’Pert HighScore Plus”
- Fourier transform infrared spectroscopy (Nicolet 380 (Thermo Electron Corporation)); software“EZ OMNIC” (Thermo Electron Corporation).

Use of machinery for thermal analysis:

- TGA (SDT Q600 simultaneous thermal analysis instrument (TA instument)) software TA Universal Analysis (TA Instruments-Waters LLC)
- DSC (TA Instruments Q100 Differential Scanning Calorimeter) software TA Universal Analysis (TA Instruments-Waters LLC)

Scanning electron microscopy (SEM) (Phenom™ microscope (FEI), Hitachi FEG 6400 microscope).

Basic knowledge of molecular biology techniques such as PCR amplification and electrophoresis of proteins through the use of bacterial cultures

Computer skills and competences

Good experience in use of Office Package (Word, Power Point, Excel), Internet.

Base knowledge of Adobe Photoshop, Illustrator and CorelDRAW.

Good ability to use databases

Good ability to video editing with photos, movies and audio