

## Alessandra Gallo



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**Current Position:** Post Doc.

Supervisor: Elisabetta Tosti

Appointed on project: Impact of environmental stress on reproductive processes of marine invertebrates.

### **Affiliation:**

Biology and Evolution of Marine Organisms Department, Stazione Zoologica Anton Dohrn, Napoli (Italy)

### **Education/Training/Experience**

<b>Institute and Location</b>	<b>Degree / Function</b>	<b>Year</b>	<b>Field of Study</b>
University of Naples "Federico II", Napoli, Italy	Bachelor, top grade	2003-2007	Biological sciences
University of Naples "Federico II", Napoli, Italy	Master, top grade	2007-2009	Biology
University of Naples "Federico II", Napoli, Italy	Ph.D.	2010-2013	Model organisms in biomedical and veterinary research
Biology Department, University of Naples "Federico II", Napoli, Italy	Postdoc	2014	Assessment of the environment health state through eco-toxicological tests on reproductive events of bioindicator organisms
Stazione Zoologica Anton Dohrn, Napoli, Italy	Postdoc	2015	Impact of environmental stress on reproductive processes of marine invertebrates

## **Other matters relevant to scientific career**

Tutor of 5 degree thesis for University of Naples.

Invited speaker at the workshop “Biological pollution and sustainability of marine resource”, 5 April 2014, Gaeta, Italy.

Scientific reviewer for 4 international ISI-journals.

## **Publications**

Author of: 7 publications on ISI-journals, 4 invited reviews on ISI-journals, 3 editorials and 1 book chapter.

### ***List of publications of the last 10 years:***

#### ***Journal Papers***

Silvestre F, Gallo A, Cuomo A, Covino T, Tosti E. (2010). Role of cyclic AMP in the maturation of *Ciona intestinalis* oocytes. *Zygote*, 19(4): 365-71.

Tosti E, Gallo A, Silvestre F. (2011). Ion currents involved in oocyte maturation, fertilization and early developmental stages of the ascidian *Ciona intestinalis*. *Mol. Reprod. Dev.*, 78(10 - 11): 854-860.

Gallo A, Silvestre F, Cuomo A, Papoff F, Tosti E. Impact of metals on the reproductive mechanism of *Ciona intestinalis*. (2011). *Mar Ecol.*, 32: 222-231.

Gallo A, Costantini M. (2012). Glycobiology of reproductive processes in marine animals: the state of the art. *Mar. Drugs*, 10(12): 2861-2892.

Tosti E, Boni R, Gallo A, Silvestre F. (2013). Ion currents modulating oocyte maturation in animals. *Syst. Biol. Reprod. Med.*, 59(2): 61-68.

Gallo A, Russo GL, Tosti E. T-type Ca<sup>2+</sup> current activity during oocyte growth and maturation in the ascidian *Styela plicata*. (2013). *Plos One*, 8(1): 54e604.

Gallo A, Tosti E. (2013). Adverse effect of antifouling compounds on the reproductive mechanisms of the ascidian *Ciona intestinalis*. *Mar Drugs*, 11: 3554-3568.

Bezzaouia A, Gallo A, Silvestre F, Tekaya S, Tosti E. (2014). Distribution pattern and activity of mitochondria during oocyte growth and maturation in the ascidian *Styela plicata*. *Zygote*, 22(04): 462-469.

Madonna A, Alwany MA, Rabbito D, Trocchia S, Labar S, Abdel-Gawad FK, D'Angelo R, Gallo A, Guerriero G, Ciarcia G. (2015). Caves biodiversity in the marine area of Riviera d'Ulisse Regional Park, Italy: Grotta del Maresciallo Overview. *J Biodivers Endanger Species*, 3 (2): 153.

Gallo A, Tosti E. (2015). Reprotoxicity of the antifoulant chlorothalonil in ascidians: An Ecological Risk Assessment. *Plos One*, 10(4): e0123074.

Gallo A, Tosti E. (2015). Ion currents involved in gamete physiology. *Int. J Dev. Biol.* (Special issue of Ionic Messengers in Development & Cancer), In press.

***Book chapters***

Gallo A, Tosti E. (2015). Cytoskeletal Elements and the Reproductive Success in Animals. *In*: Schatten H, Ed. *The Cytoskeleton in Health and Disease*. New York: Springer Science. Chapter 6. pp. 147-166.