

## Luigi Caputi

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**Current Position:** Postdoctoral fellowship

### **Current Affiliation:**

Integrative Marine Ecology Department, Stazione Zoologica Anton Dohrn

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

<b>Institute and Location</b>	<b>Degree</b>	<b>Year</b>	<b>Field of Study</b>
University Federico II of Napoli, Italy	Master (Laurea)	2001	Biological Science
Stazione Zoologica Anton Dohrn, Napoli, Italy	PhD	2002-2007	Molecular Ecology
Museo Tridentino di Scienze Naturali (MTSN), Trento, Italy	Postdoctoral fellowship	2009-2011	Molecular Biology, Alpine Freshwater Ecology
Stazione Zoologica Anton Dohrn, Napoli, Italy	Postdoctoral fellowship	2012-2014	Population genetics, Marine Ecology
Stazione Zoologica Anton Dohrn, Napoli, Italy	Postdoctoral fellowship	2014 - Present	Marine Ecology, Molecular Ecology

### **Other**

2009: Tutor in the course 'Studio dei macroinvertebrati d'acqua dolce', Stazione Limnologica del Lago di Tovel (Trento, Italy) 1994

2011: CNR qualification in Environmental Science: Biodiversity in the Polar Environment (Valid 2011 – 2013)

2012: CNR qualification in Environmental Science: Structure and Function of Forestal Ecosystems (Valid 2011 – 2014)

- Referee for 3 ISI journals
- Speaker in national and international conferences

### *Skills*

PCR, RNA, Evolutionary Genetics, Genomics, Population Genetics, Adaptive Evolution, Phylogenetic Analysis, Bioinformatic Software, Gene Expression, Bioinformatics and Computational Biology, Biological Evolution, Molecular Evolution, Comparative Genomics, Phylogeography

## Publications

Affinito O, Andreakis N, Caputi L, Marino R, Pannone R, Sordino P and G Procaccini. High connectivity and directional gene flow in European Atlantic and Mediterranean populations of *Ciona intestinalis* sp. A. *Marine ecology . Marine Ecology* 01/2015; DOI:10.1111/maec.12226

Vassalli QA, Anishchenko E, Caputi L, Sordino P, D'Aniello S, Locascio, A.: Regulatory elements retained during chordate evolution: Coming across tunicates. *Genesis*. 2015 Jan;53(1):66-81. doi: 10.1002/dvg.22838.

Arienzo M, Toscano F, Di Fraia M, Caputi L, Sordino P, Guida M, Aliberti F, Ferrara L: An assessment of contamination of the Fusaro Lagoon (Campania Province, southern Italy) by trace metals. *Environmental Monitoring and Assessment* 09/2014; 186(9).DOI:10.1007/s10661-014-3816-4

Caputi L, Crocetta F, Toscano F, Sordino P, Cirino P: Long-term demographic and reproductive trends in *Ciona intestinalis* sp. A. *Marine Ecology* 10/2013; 36(1). DOI:10.1111/maec.12125

Dassi E, Malossini A, Re A, Mazza T, Tebaldi T, Caputi L, Quattrone A: AURA: Atlas of UTR Regulatory Activity.. *Bioinformatics* 01/2012; 28:142-144.

Sordino P, Andreakis N, Brown ER, Leccia NI, Squarzoni P, Tarallo R, Alfano C, Caputi L, D'Ambrosio P, Daniele P, D'Aniello E, D'Aniello S, Maiella S, Miraglia V, Russo MT, Sorrenti G, Branno M, Cariello L, Cirino P, Locascio A, Spagnuolo A, Zanetti L, Ristoratore F : Natural Variation of Model Mutant Phenotypes in *Ciona intestinalis*. *PLoS ONE* 06/2008; 3(6):e2344. DOI:10.1371/journal.pone.0002344

Caputi L, Borra M, Andreakis N, Biffali E, Sordino P: SNPs and Hox gene mapping in *Ciona intestinalis*. *BMC Genomics* 02/2008; 9:39. DOI:10.1186/1471-2164-9-39

Piscopo S, Moccia F, di Cristo C, Caputi L, Di Cosmo A, Brown ER: Pre- and postsynaptic excitation and inhibition at octopus optic lobe photoreceptor terminals; implications for the function of the 'presynaptic bags'.. *European Journal of Neuroscience* 11/2007; 26(8):2196-203. DOI:10.1111/j.1460-9568.2007.05833.x

Caputi L, Andreakis N, Mastrototaro F, Cirino P, Vassillo M, Sordino P: Cryptic speciation in a model invertebrate chordate. *Proceedings of the National Academy of Sciences* 06/2007; 104(22):9364-9. DOI:10.1073/pnas.0610158104

Andreakis N Caputi L, Sordino P: Characterization of highly polymorphic nuclear microsatellite loci from the ascidian *Ciona intestinalis*. *Molecular Ecology Notes* 12/2006; 7(4):610 - 612. DOI:10.1111/j.1471-8286.2006.01649.x