Antonietta Spagnuolo

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Current Position: ricercatore II° livello, Senior Scientist

Current Affiliation: Section Biology and Evolution of Marine Organisms, Stazione Zoologica Anton Dohrn, Napoli (Italy)

Education/Training/Experience

Institute and Location	**Degree** ***(if applicable)***	**Year**	**Field of Study**
University Federico II of Napoli	Laurea in Biological Science	1981	Endorphins and opioid receptors in invertebrates
Stazione Zoologica Anton Dohrn	Fellowships	1983-1988	Biological active peptides in marine organisms
Stazione Zoologica Anton Dohrn	Researcher III level	1989-2000	Molecular mechanisms controlling embryonic differentiation in the ascidia *C. intestinalis*
Institute of Human Genetics, Laboratory of Prof Chris Wylie, Minneapolis, University of	Visiting scientist	October1994-December 1995	Roles of maternal alpha-catenin and plakoglobin in the early Xenopus embryo

Minnesota.			
Stazione Zoologica Anton Dohrn	Researcher II level	2000 to date	Sensory organs differentiation in the tunicate *Ciona intestinalis.* Biological response of *Ciona* to the effects a marine toxic compounds

Appointments and awards

June 1999 and 2000	Invited Teacher at the TMR course in Evolutionary Developmental Biology, ascidian session, Roscoff, France.

Students' Supervision

Tutor of 10 degree thesis and 3 PhD thesis national and international
Member of national and international PhD examination panels

Peer-reviewed publications

Alfano C, Teresa Russo M, Spagnuolo A. (2007) Developmental expression and transcriptional regulation of Ci-Pans, a novel neural marker gene of the ascidian, Ciona intestinalis. Gene 406 (1-2):36-41

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. (2009) Natural variation of model mutant phenotypes in Ciona intestinalis. PloS ONE 3, e2344.

Locascio, A., Ristoratore, F., Spagnuolo, A., Zanetti, L. and Branno, M. (2009). Genetic perspectives on the ascidian nervous system. Invertebrate Survival Journal 6: S35-S45.

Squarzoni P, Parveen F, Zanetti L, Ristoratore F, Spagnuolo A. (2011) FGF/MAPK/Ets signaling renders pigment cell precursors competent to respond to Wnt signal by directly controlling Ci-Tcf transcription. Development 138, 1421-32.

Esposito R, D'Aniello S, Squarzoni P, Pezzotti MR, Ristoratore F, Spagnuolo A. (2012) New insights into the evolution of metazoan tyrosinase gene family. PLoS One 7, e35731

Crocetta F, Marino R, Cirino P, Macina A, Staiano L, Esposito R, Pezzotti MR, Racioppi C, Toscano F, De Felice E, Locascio A, Ristoratore F, Spagnuolo A, Zanetti L, Branno M, Sordino P. (2015). Mutation studies in ascidians: a review. Genesis 53(1):160-9

Esposito R, Racioppi C, Pezzotti MR, Branno M, Locascio A, Ristoratore F, Spagnuolo A. (2015) The ascidian pigmented sensory organs: structures and developmental programs. Genesis 53(1):15-33

Lettieri A, Esposito R, Ianora A, Spagnuolo A. (2015) Ciona intestinalis as a marine model system to study some key developmental genes targeted by the diatom-derived aldehyde decadienal. Mar Drugs. 13(3):1451-65