

Giovanna Ponte



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Current Position: Post Doc

Supervisor: Graziano Fiorito

Appointed on project: Ottimizzazione delle condizioni di allevamento (welfare) degli animali e valutazione degli effetti sulla qualità del prodotto finale - RITMARE

Affiliation:

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

Education/Training/Experience

Institute and Location	Degree / Function	Year	Field of Study
Department of Pharmaceutical Chemistry and Technology, Università degli Studi di Napoli Federico II (Napoli, Italy).	Master Degree (Laurea)	2007-2008	Pharmacology
Istituto di Biochimica delle Proteine – CNR, Napoli	Internship	2008-2008	Isolation and identification of relevant food allergen proteins
Department of Neuroscience, Università degli Studi di Parma (Italy)	Stage	2008-2008	Neuroanatomy
Scuola Superiore di Studi Universitari e di Perfezionamento S. Anna di Pisa (Italy)	Contractor	2009-2010	Biorobotics Analysis of the octopus' arm to facilitate design of bio-inspired robotic arm and its control

Neurosciences Institute of San Diego (CA)	Visiting Researcher	2010-2010	Neuroanatomy
Center for Micro-Biorobotics of IIT@SSSA, Istituto Italiano di Tecnologia (Pontedera, Pisa)	Contractor	2010-2011	Biorobotics Functional approach to the characterization of the arm of <i>Octopus vulgaris</i> .
Department of University of Calabria (Cosenza, Italy)	PhD	2011-2012	Animal Biology

List of publications of the last 10 years

Journal Papers

- Zarella I, Ponte G, Baldascino E, Fiorito G. (2015). Learning and memory in *Octopus vulgaris*: a case of biological plasticity. *Current opinion in neurobiology*, 35, 74-79
- Amodio P, Andrews P, Salemme M, Ponte G, Fiorito G. (2014). The Use of Artificial Crabs for Testing Predatory Behavior and Health in the Octopus. *Altex*, 31: 494-499
- Margheri L, Ponte G, Mazzolai B, Laschi C and Fiorito G. (2011). Non-invasive study of *Octopus vulgaris* arm morphology using ultrasound. *Journal of Experimental Biology*, 214: 3727-3731
- Canali E, Ponte G, Belcari P, Rocha F, Fiorito G. (2011). Evaluating age in *Octopus vulgaris*: estimation, validation and seasonal differences. *Marine Ecology Progress Series*, 441: 141-149

Book chapters

- Tricarico E, Amodio P, Ponte G, Fiorito G. (2014). Cognition and Recognition in the Cephalopod Mollusc *Octopus vulgaris*: Coordinating Interaction with Environment and Conspecifics. In: *Biocommunication of Animals* (ed. Witzany, G.), pp. 337-349. Springer Netherlands

Other publications

- Shaw T, Osborne M, Ponte G, Fiorito G, Andrews P. (2014). Mechanisms of wound closure following acute amputation injury in *Octopus vulgaris*. *Wound Repair and Regeneration*, 22: A97-A97.
- Ponte G, Edelman DB, Fiorito G (2011). Anti-HRP epitope in *Octopus vulgaris* neural tissue: the first among lophotrochozoans. *J Shellfish Res* 30:1018
- Pagano E, Ponte G, Andrews PLR, Fiorito G (2011). A comparative analysis of different anaesthetics in octopus: towards true anaesthesia? *J Shellfish Res* 30:1016
- Choe Y, Abbott LC, Ponte G, Keyser J, Kwon J, Mayerich D, Miller D, Han D, Grimaldi AM, Fiorito G, Edelman DB, McKinstry J L. (2010). Charting out the octopus connectome at submicron resolution using the knife-edge scanning microscope. *BMC Neuroscience*, 11: 136