



Curriculum Vitae

Personal data

Name **MARCO OLIVERIO**

Professional address Dipartimento di Biologia e Biotecnologie "Charles Darwin"
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Nationality Italian

Education

May 1990 Biology MSc (Laurea in Scienze Biologiche)
Università degli Studi di Roma "La Sapienza"

June 1994 Evolutionary Biology PhD, Università degli Studi di Roma "La Sapienza"

Professional appointments

2018- "Sapienza" University of Roma:
Full Professor of Zoology

2012-2013 "Sapienza" University of Roma:
Associate Professor of Zoology

1999-2012 "Sapienza" University of Roma:
Research Scientist in Zoology

1997-1999 Università degli Studi del Molise:
Professor of Animal Biology

1996-1997 Università degli Studi di "Roma Tre":
Post Doc in Biology

1994-1995 Museo de Ciencias Insulares (Tenerife, Spagna):
Post Doc in Biology

1997-1999 "Maître de conférence" Muséum National d'Histoire Naturelle (Paris) "Biologie des population et ecologie" (67) et "Biologie des organismes" (68).

Others

- 2001-2007, Council of Unitas Malacologica.
- 2008-2012 Scientific Board of "Sapienza" University of Roma
- External evaluator of the CVs for academic progression (Smithsonian Institution - USA).
- Evaluator of research projects for Italian Ministry: FIRB 2012, FIRB2013.
- Reviewer for the National Research Programme of the Netherland, 2011, 2014, 2016.
- Commission for position of Research Scientist at "Tor Vergata" Rome University (2006).
- Commission for position of Professor in Zoology at "Bicocca" Milan University (2014).
- Commission for position of Professor in Zoology at "Politecnico delle Marche" Ancona University (2016).
- Commission for the final PhD exam at "Sapienza" (2006), Siena (2008), Bologna (2008), and Madrid (Autónoma, 1999, 2004, 2014) universities.



Teaching Marco Oliverio teaches and/or has taught Zoology and related matters: *Animal Biology* (first year degrees in Environmental Sciences and in Conservation of Cultural Heritage and Environment)
Zoology; Laboratory of Biological Methods; Animals Diversity; Adaptive Zoology; Evolutionary Zoology; Systematic Zoology; Systematic Biology; Malacology (courses for the degree in Biology)

Has given seminars to the Universities of Palermo (Italy), Tuscia (Viterbo, Italy), "Roma Tre" (Italy), Padova (Italy), New Mexico (USA), Utah (USA), Philippines (Manila), Madrid Autonoma (Spain), Malaga (Spain), Vienna (Austria), and the Museums of Natural History of Madrid, London and Bruxelles.

Council of the Doctorate in Animal Biology (1999-2011) and Ecology and Evolution (2012-) ("Sapienza" University). Members of the commissions for the final doctorate exams at "Sapienza" (2006), Siena (2008), Bologna (2008), Madrid (1999, 2004) universities.

Has been tutor of over 70 theses for the degree in Biology and 5 PhD theses.

Research His research activities can be summarised under the following headings:

Taxonomy, systematics and biogeography of molluscs

Population genetics (spatial patterns of variation, divergence rates)

Microevolutionary models and larval ecology of marine invertebrates

Animal associations

(with special attention to the evolutionary aspects of commensalism, parasitism, predation, phoresy etc...)

Biodiversity, (patterns and dynamics in marine ecosystems)

Molecular Systematics (and gene evolution)

Synergistic Activities *Participation to research campaigns*

Field work and oceanographic cruises: WALLIS2018 (Wallis & Futuna Islands), IRD; VYLLAS-2017 (Aegean Sea, 2017), Uniroma1 (Rome); MADIBENTHOS-2016 (Martinique, 2016), MNHN (Paris); MALD-2014 (Maldives, 2014), Marecenter; PNG2012 (Papua New Guinea, 2012), MNHN-CNRS; MQ2011, Marquesas (French Polynesia, 2011), IRD-MNHN; Santo Is. (Vanuatu, 2006), MNHN-CNRS; Gulf of Panama (Panama, 2006), MNHN-UtahUniv; PANGLAO2004 (Philippines, 2004), MNHN-CNRS; Sicily Channel (Italy, 2002, 1996), CNR; Ross Sea (Antarctica, 2001-2002), PNRA; Socotra Archipelago (Yemen, 2000), Uniroma1; Tulear area (Madagascar, 1995), CNR; Central Tyrrhenian Sea (Italy, 1995), CNR; Tenerife Is. and Lanzarote Is. (Spain, 1994-1995), MAE; offshore reefs (Sudan, 1995, 1993), GEOMAR; Morocco (1993), Uniroma1; Tremiti and Circumsicilian Islands (Italy, 1992, 1991), CNR; Alboràn Is. (Spain, 1992), Marevivo; Levant Sea (Turkey, 1992), Uniroma1; Eastern margin of Sardinia (Italy, 1991), CNR.

Current Scientific Collaborators

Marco A. Bologna (Univ. Rome 3), Philippe Bouchet (MNHN, Paris), Lucas Cervera (Univ. Cadiz), Paolo Franchini (Univ. Konstanz), Serge Gofas (Univ. Malaga), Jerry Harasewych (Smithsonian, Washington), Greg Herbert (Univ. Florida), Bert Hoeksema (Naturalis, Leiden), Mandë Holford (CUNY), Roland Houart (IRSN, Brussels), Yuri Kantor (Ac. Sciences, Moscow), Angel Luque (Univ. Madrid), Annie Machordom (MNCN, Madrid), Paolo Mariottini (Univ. Rome 3), Baldomero Olivera (Univ. Utah), Guido Pastorino (Museum of Buenos Aires), David Reid (NHM, London), Stefano Rufini (Univ. Rome 3), Stefano Schiaparelli (Univ. Genoa, Italy), Gerhard Steiner (Univ. Wien), Ellen Strong (Smithsonian, Washington), Marco Taviani (CNR ISMAR, Bologna), José Templado (MNCN, Madrid).

Publications Marco Oliverio is has authored over **150** papers (see below)

Principal publications of the last 10 years

APPOLLONI M, C SMRIGLIO, B AMATI, L LUGLIÈ, I NOFRONI, **OLIVERIO M.** 2018. Catalogue of the primary types of marine molluscan taxa described by Tommaso Allery Di Maria, Marquis of Monterosato, deposited in the Museo Civico di Zoologia, Roma. *Zootaxa* 4477 (1), 1-138



- GERDOL M, CERVELLI M, **OLIVERIO M**, MODICA MV. 2018. Piercing fishes: porin expansion and adaptation to hematophagy in the vampire snail *Cumia reticulata*. *Molecular biology and evolution*. doi:10.1093/molbev/msy156
- MODICA MV, SÁNCHEZ JR, PASQUADIBISCEGLIE A, **OLIVERIO M**, MARIOTTINIP, CERVELLI M. 2018. Anti-haemostatic compounds from the vampire snail *Cumia reticulata*: Molecular cloning and in-silico structure-function analysis. *Computational biology and chemistry* 75, 168-177
- PASQUADIBISCEGLIE A., CERVELLI M, SANCHEZ JR, MARIOTTINI P, **OLIVERIO M**, Gerdol M, Modica MV. 2018. ShK-like toxins from the vampire snail *Colubraria reticulata*. *Toxicon* 149, 100-101
- FEDOSOVA, PUILLANDREN, HERRMANN M, KANTOR Y, **OLIVERIO M**, DGBUADZE P., MODICA MV, BOUCHET P. 2018. The collapse of *Mitra*: molecular systematics and morphology of the Mitridae (Gastropoda: Neogastropoda). *Zoological Journal of the Linnean Society* 183 (2), 253-337
- MODICA, M.V., RUSSINI, V., FASSIO, G., **OLIVERIO, M.** 2017. Do larval types affect genetic connectivity at sea? Testing hypothesis in two sibling marine gastropods with contrasting larval development. *Marine Environmental Research*, 127:92-101. DOI: 10.1016/j.marenvres.2017.04.001
- BARCO, A., HERBERT, G., HOUART, R., FASSIO, G., **OLIVERIO, M.** 2017. A molecular phylogenetic framework for the subfamily Ocenebrinae (Gastropoda, Muricidae) *Zoologica Scripta*, 46: 322-335. DOI: 10.1111/zsc.12219
- CASALE, P., FREGGI, D., PADUANO, V., **OLIVERIO, M.** 2016. Biases and best approaches for assessing debris ingestion in sea turtles, with a case study in the Mediterranean. *Marine Pollution Bulletin*, 110: 238-249. DOI: 10.1016/j.marpolbul.2016.06.057
- MODICA, M.V., COLANGELO, P., HALLGASS, A., BARCO, A., **OLIVERIO, M.** 2016. Cryptic diversity in a chirally variable land snail. *Italian Journal of Zoology*, 83:351-363. DOI: 10.1080/11250003.2016.1186234
- CASOLI, E., VENTURA, D., MODICA, M.V., BELLUSCIO, A., CAPELLO, M., **OLIVERIO, M.**, ARDIZZONE, G.D. 2016. A massive ingression of the alien species *Mytilus edulis* L. (Bivalvia: Mollusca) into the Mediterranean Sea following the Costa Concordia cruise-ship disaster. *Mediterranean Marine Science*, 17: 404-416. DOI: 10.12681/mms.1619
- AISSAOUI, C., PUILLANDRE, N., BOUCHET, P., FASSIO, G., MODICA, M.V., **OLIVERIO, M.** 2016. Cryptic diversity in Mediterranean gastropods of the genus *Aplus* (Neogastropoda: Buccinidae). *Scientia Marina*, 80:521-533. DOI: 10.3989/scimar.04422.12A
- FASSIO, G., MODICA, M.V., ALVARO, M.C., SCHIAPARELLI, S., **OLIVERIO, M.** 2015. Developmental trade-offs in Southern Ocean mollusc kleptoparasitic species. *Hydrobiologia*, 761:121-141. DOI: 10.1007/s10750-015-2318-x
- CALVO, M., ALDA, F., **OLIVERIO, M.**, TEMPLADO, J., MACHORDOM, A. 2015. Surviving the Messinian Salinity Crisis? Divergence patterns in the genus *Dendropoma* (Gastropoda: Vermetidae) in the Mediterranean Sea. *Molecular Phylogenetics and Evolution*, 91:17-26. DOI: 10.1016/j.ympev.2015.05.004
- MODICA M.V., LOMBARDO F., FRANCHINI P., **OLIVERIO M.**, 2015. The venomous cocktail of the vampire snail *Colubraria reticulata* (Mollusca, Gastropoda): a transcriptomic approach. *BMC Genomics*, 16: 441 DOI 10.1186/s12864-015-1648-4
- CROCETTA, F., MARIOTTINI, P., SALVI, D., **OLIVERIO, M.** 2014. Does GenBank provide a reliable DNA barcode reference to identify small alien oysters invading the Mediterranean Sea? *Journal of the Marine Biological Association of the United Kingdom*, in Press, DOI: 10.1017/S0025315414001027
- PRKIĆ, J., FURFARO, G., MARIOTTINI, P., CARMONA, L., CERVERA, J.-L., MODICA, M.-V., **OLIVERIO, M.** 2014. First record of *Calma gobiophaga* Calado and Urgorri, 2002 (Gastropoda: Nudibranchia) in the Mediterranean sea. *Mediterranean Marine Science*, 15 (2): 423-428. DOI: 10.12681/mms.709
- CROCETTA F., ZIBROWIUS H., BITAR G., TEMPLADO J., **OLIVERIO M.**, 2013. Biogeographical homogeneity in the eastern Mediterranean Sea - I: the opisthobranchs (Mollusca: Gastropoda) from Lebanon. *Mediterranean Marine Science*, 14/2(2013): 403-408 DOI:10.12681/mms.404
- CROCETTA, F., BITAR, G., ZIBROWIUS, H., OLIVERIO, M. 2013. Biogeographical homogeneity in the eastern Mediterranean Sea. II. temporal variation in lebanese bivalve biota. *Aquatic Biology*, 19 (1): 75-84. DOI: 10.3354/ab00521
- BARCO A., CORSO A., **OLIVERIO M.** 2013. Endemicity in the Gulf of Gabès: the small mussel drill *Ocenebrina hispidula* is a distinct species in the *Ocenebrina edwardsii* complex (Muricidae: Ocenebrinae) *Journal of Molluscan Studies*, 79: 273-276 doi:10.1093/mollus/eyt013
- GAROFALO, L., MASTROGIACOMO, A., CASALE, P., CARLINI, R., ELENI, C., FREGGI, D., GELLI, D., KNITTWEIS, L., MIFSUD, C., MINGOZZI, T., NOVARINI, N., SCARAVELLI, D., SCILLITANI, G., **OLIVERIO, M.**, NOVELLETTO, A. 2013 Genetic characterization of central Mediterranean stocks of the loggerhead turtle (*Caretta caretta*) using mitochondrial and nuclear markers, and conservation implications 2013. *Aquatic Conservation: Marine and Freshwater Ecosystems*, 23 (6): 868-884. DOI: 10.1002/aqc.2338
- BARCO A., EVANS J., SCHEMBRI P., TAVIANI M., **OLIVERIO M.**, 2013. Testing the applicability of DNA barcoding for Mediterranean species of top-shells (Gastropoda, Trochidae, Gibbula s.l.). *Marine Biology Research*, 2013 doi: 10.1080/17451000.2013.765585
- BARCO A., HOUART R., BONOMOLO G., CROCETTA F., **OLIVERIO M.** 2013. Molecular data reveal cryptic lineages within the northeastern Atlantic and Mediterranean small mussel drills of the *Ocenebrina edwardsii* complex (Mollusca: Gastropoda: Muricidae). *Zoological Journal of the Linnean Society* 169, 389-407.
- CROCETTA F., BONOMOLO G., ALBANO P.G., BARCO A., HOUART R., **OLIVERIO M.** 2012. The status of the northeastern Atlantic and Mediterranean small mussel drills of the *Ocenebrina aciculata* complex (Mollusca: Gastropoda: Muricidae), with the description of a new species. *Scientia Marina*, 76(1): 177-189. doi: 10.3989/scimar.03395.02A
- MODICA M.V., MARIOTTINI P., PRKIĆ J., **OLIVERIO M.** 2012. DNA-Barcoding of sympatric species of ectoparasitic gastropods of the genus *Cerithiopsis* (Mollusca: Gastropoda: Cerithiopsidae) from Croatia. *Journal of the Marine Biological Association of the United Kingdom*, DOI: 10.1017/S0025315412000926
- BARCO, A., SCHIAPARELLI, S., HOUART, R. & **OLIVERIO, M.** 2012. Cenozoic evolution of Muricidae (Mollusca, Neogastropoda) in the Southern Ocean, with the description of a new subfamily. *Zoologica Scripta*, 41: 596-616., DOI: 10.1111/j.1463-6409.2012.00554.x.
- MODICA, M.V., BOUCHET, P., CRUAUD, C., UTGE, J., **OLIVERIO, M.** 2011. Molecular phylogeny of the nutmeg shells (Neogastropoda, Cancellariidae). *Molecular Phylogenetics and Evolution* 59: 685-697, doi: 10.1016/j.ympev.2011.03.022
- MODICA M. V., VERHECKEN A, **OLIVERIO M.** 2011. The relationships of the enigmatic neogastropod *Loxotaphrus* (Cancellariidae). *New Zealand Journal of Geology and Geophysics*, 54: 1, 115-124 DOI:



- 10.1080/00288306.2011.537610
- CIONI C., BONACCORSI di PATTI M.C., VENTURINI G., MODICA M.V., SCARPA F., OLIVERIO M., TONI M., 2011. Cellular, biochemical and molecular characterization of nitric oxide synthase expressed in the nervous system of the prosobranch *Stramonita haemastoma* (Gastropoda, Neogastropoda). *Journal of Comparative Neurology*, 520 (2) , pp. 364-383.
- OLIVERIO M.**, DIGILIO M.C., VERSACCI P., DALLAPICCOLA B., MARINO B. 2010. Shells and heart: are human laterality and chirality of snails controlled by the same maternal genes? *American Journal of Medical Genetics*, 152A(10): 2419-2425, doi: 10.1002/ajmg.a.33655
- OLIVERIO M.**, MODICA M. V., 2010. Relationships of the haematophagous marine snail *Colubraria* (Rachiglossa: Colubrariidae), within the neogastropod phylogenetic framework. *Zoological Journal of the Linnean Society* 158: 779-800 [DOI: 10.1111/j.1096-3642.2009.00568.x]
- BARCO A., CLAREMONT M., REID D.G., HOUART R., BOUCHET P., WILLIAMS S.T., CRUAUD C., COULOUX A. and **OLIVERIO M.** 2010. A molecular phylogenetic framework for the Muricidae, a diverse family of carnivorous gastropods. *Molecular Phylogenetics and Evolution* 56: 1025-1039, doi:10.1016/j.ympev.2010.03.008
- OLIVERIO M.**, BARCO A., MODICA M. V., RICHTER A., MARIOTTINI P., 2009. Ecological barcoding of corallivory by second internal transcribed spacer sequences: hosts of coralliophiline gastropods detected by the cnidarian DNA in their stomach. *Molecular Ecology Resources*, 9: 94-103 [doi: 10.1111/j.1755-0998.2008.02388.x]
- FOCHETTI R., SEZZI E., TIERNO de FIGUEROA J.M., MODICA M.V. & **OLIVERIO M.** 2009. Molecular systematics and biogeography of the western Mediterranean stonefly genus *Tyrrhenoleuctra* (Plecoptera, Insecta). *Journal of Zoological Systematics and Evolutionary Research* 47(4): 328–336 [DOI: 10.1111/j.1439-0469.2008.00508.x].
- CALVO M., TEMPLADO J., **OLIVERIO M.** & MACHORDOM A., 2009. Hidden Mediterranean biodiversity: molecular evidence for a cryptic species complex within the reef building vermetid gastropod *Dendropoma petraeum* (Mollusca: Caenogastropoda). *Biological Journal of the Linnean Society*, 96: 898-912.
- BOLOGNA M.A., **OLIVERIO M.**, PITZALIS M. & MARIOTTINI P., 2008. Phylogeny and evolutionary history of the Blister Beetles (Coleoptera, Meloidae). *Molecular Phylogenetics and Evolution* 48: 679-693 [doi: 10.1016/j.ympev.2008.04.019]
- CASALE P., ABBATE G., FREGGI D., CONTE N., **OLIVERIO M.**, ARGANO R., 2008. Foraging ecology of loggerhead sea turtles *Caretta caretta* in the central Mediterranean: evidence for a relaxed life history model. *Marine Ecology Progress Series*, 372: 265–276
- CASALE P., FREGGI D., GRATTON G., ARGANO R., **OLIVERIO M.**, 2008. Mitochondrial DNA reveals regional and interregional importance of the central Mediterranean African shelf for loggerhead sea turtles (*Caretta caretta*). *Scientia Marina* 72: 541-548
- OLIVERIO M.**, 2008. Coralliophilinae (Neogastropoda: Muricidae) from the south-west Pacific. In: Tropical Deep- Sea Benthos 25 (Héros V., Cowie R. & Bouchet P. eds) *Mémoires du Muséum National d'Histoire Naturelle* ISSN: 1243-4442 196: 451-555. Paris ISBN: 978-2-85653-614-8.
- ROMEO C., DI FRANCESCO L., **OLIVERIO M.**, PALAZZO P., RAYBAUDI MASSILIA G.R., ASCENZI P., PONTICELLI F. & SCHININÀ M.E., 2008. *Conus ventricosus* venom peptides profiling: new insight in the intraspecific variation. *Journal of Separation Science*, 31: 488-498.

