

Marlene Jahnke



Born in Ulm, Germany 03/08/1984

Tel.: +39 081 5833236

Fax: +39 081 7641355

E-mail: marlene.jahnke@szn.it

Current Position: PhD student

Director of Studies: Gabriele Procaccini

External Supervisor: Jeanine L. Olsen

Program: Open University

Thesis title: Population connectivity and genetic diversity in Mediterranean seagrasses in the framework of management and conservation of the coastline

Current Affiliation: Department of Integrated Marine Ecology, Stazione Zoologica Anton Dohrn, Napoli (Italy)

Education/Training/Experience

| Institute and Location | Degree <i>(if applicable)</i> | Year | Field of Study |
|------------------------------------|----------------------------------|-----------|----------------|
| University of Konstanz, Germany | Diplom/M. Sc. | 2004-2010 | Biology |

| | | | |
|--|--|------------------|---|
| Scottish Association for Marine Science, Oban, Scotland, UK | Erasmus exchange | 2007-2008 | Marine Science Invasion ecology of the amphipod <i>Caprella mutica</i> |
| Departamento de Oceanografia e Pescas, Universidade dos Açores, Portugal | DAAD freemover exchange | 2008 | Marine Science Population genetics in fish |
| CSIRO, Commonwealth Scientific and Industrial Research Organisation, Canberra, Australia | M.Sc. project | 2009-2010 | Genetic diversity, phylogeography and evolution of a non-pathogenic calicivirus in wild rabbit populations in Australia |
| The Sea Turtle Conservancy, PRETOMA and La Tortuga Feliz, Costa Rica | Research Assistant and Field Coordinator | 2010 (10 months) | Sea turtles: Conservation, field work and environmental education. |
| University of Durham, UK | Research Assistant | 2010-2011 | Molecular Ecology of Risso's dolphins |
| University of Hull, UK | Laboratory Technician | 2011-2012 | Evolutionary Biology and Chemical Ecology |
| University of Norwich, UK | Technician | 2012-2013 | Developmental Biology |

Conferences and training schools:

May 2013: **EMBOS Training School**, Marine Biodiversity Observation: A system to bring theory and practice together, Santander, Spain.

September 2013: **ArcGIS** and Marxan **summer school**, Constanza, Romania.

March 2014: COST conference “**Seagrass productivity: from genes to ecosystem management**”, Olhao, Portugal, where I presented a poster entitled “Human impact is positively correlated with genomic and genotypic diversity in *Posidonia oceanica*”

October 2014: **Mediterranean Marine Vegetation Symposium**, Piran, Slovenia, where I presented the talk “The importance of genetic make-up for restoration success – a case study of the seagrass *Zostera noltii* in a Mediterranean lagoon”

May 2015: **Mediterranean seagrass workshop**, Oristano, Italy, where I won the prize for the best student poster presentation for the poster “Assessing the importance of genetic and ecological factors for the occurrence of patchy flowering in *Posidonia oceanica*”.

Publications:

Elizabeth J. Cook, Marlene Jahnke, Francis Kerckhof, Dan Minchin, Marco Faasse, Karin Boos and Gail Ashton (2007) European expansion of the introduced amphipod *Caprella mutica* Schurin 1935. *Aquatic Invasions*, Volume 2, Issue 4: 411-421

Marlene Jahnke, Edward C. Holmes, Peter J. Kerr, John D. Wright and Tanja Strive (2010) Evolution and phylogeography of the nonpathogenic calicivirus RCV-A1 in wild rabbits in Australia. *Journal of Virology*, Volume 84, 23: 12397-12404.

Piero Calosi, Samuel P.S. Rastrick, Chiara Lombardi, Heidi J. De Guzman, Laura Davidson, Marlene Jahnke, Adriana Giangrande, Jörg D. Hardege, Anja Schulze, John I. Spicer and Maria-Cristina Gambi (2013) Metabolic adaptation and acclimatisation to ocean acidification in marine ectotherms: an *in situ* transplant experiment at a shallow CO₂ vent system. *Phil. Trans. R. Soc. B* 368 1627 20120444; doi:10.1098/rstb.2012.0444 1471-2970

Marlene Jahnke, Jeanine L. Olsen and Gabriele Procaccini (2015) A meta-analysis reveals a temporal mismatch between genetic diversity metrics and environmental status in the long-lived seagrass *Posidonia oceanica*. *Molecular Ecology*, 24(10), 2336-2348.

Hummel H, Frost M, Juanes JA, Kochmann J, Castellanos Perez Bolde CF, Aneiros F, Vandenbosch F, Franco JN, Echavarri B, Guinda X, Puente A, Fernández C, Galván C, Merino M, Ramos E, Fernández P, Pitacco V, Alberte M, Wojcik D, Grabowska M, Jahnke M, Crocetta F, Carugati L, Scorrano S, Frascchetti S, García PP, Sanabria Fernández JA, Poromov A, Iurchenko A, Isachenko A, Chava A, Pavludi C, Bordeyne F, Andersen SF, Eronat EGT, Cakmak T, Louizidou P, Rico J, Ruci S, Corta Diego D, Mendez S, Rousou M, de

Clippele L, Eriksson A, van Zanten W, Diamant A, and de Matos VKF (2015) A comparison of the degree of implementation of marine biodiversity indicators by European countries in relation to the Marine Strategy Framework Directive (MSFD). *Journal of the Marine Biological Association of the United Kingdom*. DOI:10.1017/S0025315415000235.

Jahnke M, Serra IA, Bernard G and Procaccini G (2015) The importance of genetic make-up in seagrass restoration – a case study of the seagrass *Zostera noltei*. *Marine Ecology Progress Series*. DOI:10.3354/meps11355 .

Particulars:

Driving licence
Scuba diver

European driving licence (B)
* CMAS