



# Marjoleine Roos

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## Qualities and skills

- Communicative
- Problem-solving
- Initiative
- Team player
- Responsible
- Organized
- Motivated
- Reliable
- Driving licence B
- Fluent: Dutch, English
- Average: French, German
- Software: MATLAB, R

## Employment history

- **2013-2015 University of St. Andrews - Sea Mammal Research Unit** (Scotland)  
**Research assistant**  
Responsibilities: managing, processing and visualising data; communication within a large international collaborative group studying whale behaviour and naval sonar disturbance; managing logistics regarding preparing and conducting field work abroad; maintaining, preparing and handling research equipment for tracing, tagging, tracking, and observing whales at sea; tag technician.
- **2010-2011 Conservation Research Center Marineland Antibes** (France)  
**Project manager / Researcher**  
Responsibilities: managing and initiate various projects simultaneously, both within and outside the marine park, occasionally in collaboration with other institutes; logistics, communication, planning and collaboration were very important. Furthermore, I assisted with veterinary procedures on sharks, polar bears, seals/sea lions, dolphins, killer whales, turtles and birds.
- **2009 Curaçao Dolphin Therapy and Research Center/Curaçao Sea Aquarium** (Curaçao)  
**Dolphin caretaker**  
Responsibilities: fish kitchen, assistant trainer, training demonstrations, and general caretaking of dolphins. Assisting with caretaking and rehabilitation of a stranded pilot whale kept in a natural bay on the island.

## Internships

- **2007 Institute for Marine Resources & Ecosystem Studies** (The Netherlands)  
Responsibilities: diet research of seals, cormorants and porpoises through data collection, processing and analyses.
- **2006 Southern Cross University Whale Research Centre** (Australia)  
Responsibilities: dolphin photo-identification, data collection, processing and analyses; boat handling in challenging environment.
- **2005 Dolfinarium Harderwijk** (The Netherlands)  
Responsibilities: cleaning, preparing shows, trainer assistant, health training, care taking, central fish kitchen, behavioural observations.

## Education

- **2011-2015 M.Phil. Marine Mammal Science**, University of St. Andrews (Scotland). Project: Significance of respiration timing in the energetics estimates of free-ranging killer

whales through an innovative established oxygen model.

- 2004-2008 **B.Sc. Wildlife Management**, University of Applied Sciences Van Hall Larenstein. Project: Diet study of grey seals, cormorants and harbour porpoises.
- 1997-2004 Atheneum, Cambium College

## Publications

### Scientific Articles

Leopold, M.F., Krauthoff, A., and Roos, M.M.H. (*in prep.*). Still a sea of plenty? Seals and soles in the southeastern North Sea.

Leopold, M.F., DeBruyne, M., Folmer, A., Roos, M.M.H., Krauthoff, A., and Bouwman, R. (*in prep.*). Improving size estimation of prey of piscivores: using relative, condition specific digestion rates of otoliths, determined *in situ*.

Roos, M.M.H., Wu, G.-M., and Miller, P.J.O. (*in press.*). The significance of respiration timing in the energetics of killer whales (*Orcinus orca*). *Journal of Experimental Biology*

### Technical Reports

Kvadsheim, P.H., Lam, F.-P., Miller, P., Sivle, L.D., Wensveen, P., Roos, M., Tyack, P., Kleivane, L., Visser, F., Curé, C., van Ijsselmuide, S., Isojunno, S., von Benda-Beckmann, S., Nordlund, N., and Dekelin, R. (2015). The 3S<sup>2</sup> experiments - studying the behavioral effects of naval sonar on northern bottlenose whales, humpback whales and minke whales. Norwegian Defence Research Establishment (FFI), FFI-rapport 2015/01001.

### Conference Proceedings

#### Oral

Roos, M.M.H. and Miller, P.J.O. (2014). The significance of respiration frequency and timing in the energetics of killer whales (*Orcinus orca*). The Fifth International Bio-logging Science Symposium, Strasbourg, France, September 2014.

#### Poster

Leopold, M.F., Krauthoff, A., and Roos, M.M.H. (2008). Still a sea of plenty? Seals and soles in the southeastern North Sea. The Twenty-second Annual Conference of the European Cetacean Society, Egmond aan Zee, The Netherlands, March 2008.

Pavlov, V., Rashad, A., Beaton, R., McConnel, B., García Hartmann, M., Roos, M.M.H., and Vincent, C. (2011). A Non-Invasive Dolphin Telemetry Tag: Computer Design and First Experimental Results. The Thirty-ninth Annual Symposium of the European Association for Aquatic Mammals, Barcelona, Spain, March 2011.

Roos, M.M.H., and Garcia Hartmann, M. (2011). Respiration versus behaviour in captive killer whales (*Orcinus orca*). The Thirty-ninth Annual Symposium of the European Association for Aquatic Mammals, Barcelona, Spain, March 2011.

Roos, M.M.H., Miller, P.J.O. (2014). Energetic consequences of behavioural responses to sonar in killer whales (*Orcinus orca*). The 5<sup>th</sup> international meeting on the Effects of Sound in the Ocean on Marine Mammals, Amsterdam, The Netherlands, September 2014.

Roos, M.M.H., Wu, G.-M., and Miller, P.J.O. (2015). The significance of respiration timing in the energetics of killer whales (*Orcinus orca*). The 21st Biennial Conference on the Biology of Marine Mammals, San Francisco, U.S.A., December 2015.

## Interests

Nature, ocean, wildlife, animals, photography, outdoor, travelling, socializing, snowboarding, surfing

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