

LUCY C. WOODALL
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EDUCATION

PhD, Royal Holloway, University of London **2004- 2009**

Thesis Title: The population genetics and mating systems of European Seahorses

Chapters- Ecology and demography of European Seahorses
 The affect of fin clipping on seahorses
 How many species of seahorse are there in Europe?
 Phylogeography of *Hippocampus guttulatus* using mtDNA
 Phylogeography of *Hippocampus hippocampus* using mtDNA
 Population genetics of European seahorses utilising microsatellites
 Mating system of *Hippocampus guttulatus*, a genetic perspective
 Recommendations for conservation and management

BSc. (Honours) 2i

Social Biology and Sports Studies, King Alfred's College, University of Southampton. **1999**

Thesis Title: The genetic intraspecific variability and population subdivision with the Madeira Archipelago of *Pagellus bogaraveo*.

SKILLS HIGHLIGHT

Communication

- I have effectively delivered oral presentations during Marine Biology Association PG symposium April 2007, RHUL PG symposiums 2006 & 2008 and at the London Zoological Society, Ecology Meeting 2005. I have also given numerous presentations at London Aquarium during summer 2007 and have addressed marine conservation issues with local communities, dive centres and other stakeholders during field work 2005-2007.
- I have shown an excellence in written science communication, highlighted by winning the European Marine Stations Network poster prize, awarded 2006 at 41st European Marine Biology Symposium. Posters have also been enthusiastically received at 3rd International Conservation Genetics Meeting September 2007 and Royal Holloway, University of London PG symposium 2007.

Team Work/ Leadership

- I have demonstrated efficient team work on a number of occasions in diverse situations. During my PhD field work I have used the help of volunteers as dive buddies and research assistants. I have recruited these volunteers then managed and led the research. Previous to starting my PhD I worked as fully qualified Ski Instructor, where safety management and training were of paramount importance. I have also successfully managed a sail boat crew of up to 40 people, acting as navigator, trainer and overseeing deck maintenance.

Media/Corporate Relations

- I understand and appreciate long-term relationships with funding partners. Through my position in Project Seahorse I have worked with Chocolaterie Guylian. I have taken part in press conferences and worked with PR agents to cooperatively develop projects. I have also taken part in a documentary explaining biological concepts and research ideas. I continued the collaboration with Nelos and Guylain in Antwerp (2008) where I conducted two presentations.

SCHOLARSHIPS AND AWARDS

- British Ecological Society (BES) award to attend 4th Marine Biological Association (MBA) Postgraduate workshop.(Liverpool) 2007
- European Marine Research Stations Network prize for poster presentation at 41st European Marine Biology Symposium (EMBS)(Cork, Ireland) 2006
- Fisheries Society of British Isles (FSBI) travel grant to attend 41st (EMBS) (Cork). 2006
- Professional Association of Diving Instructors (PADI) AWARE foundation research grant 2005
- Association for the study of animal behaviour (ASAB) research grant,- joint grant with Dr M-J Naud to study the behaviour of *H. guttulatus* in mutual mate choice, testing the effects of known and novel partners. 2005
- Natural Environmental Research Council (NERC) (CASE) PhD studentship 2005
- Royal Holloway, University of London Helen Shackleton Award 2004
- Royal Holloway, University of London Scholarship 2004

PRESENTATIONS

- 12^h NAW annual conference (London, UK), oral presentation 2009
‘Recommendations for the captive breeding of European Seahorses
- Postgraduate Symposium (RHUL, UK), oral presentation 2008
‘Conservation genetics of European seahorses’
- 3rd International Conservation genetics Symposium (New York, USA) poster presentation 2007
‘Phylogeography of European Seahorses’
- Postgraduate Symposium (RHUL, UK), poster presentation 2007
‘An Atlantic/Mediterranean divide in seahorse populations’
- 4th MBA Postgraduate Workshop (Liverpool, UK) oral presentation. 2007
‘Hippocampus guttulatus: a species complex?’
- 41st EMBS, (UCC, Cork, Ireland) poster presentation 2006
‘Population genetics and mating strategies of seahorses *H. guttulatus* and *H. hippocampus*’
- Postgraduate Symposium (RHUL, UK), oral presentation 2006
‘Seahorse population sub-division across Europe’
- Hampshire and Isle of Wight Wildlife Trust Seagrass specialty course 2006
‘Seahorse Recognition’
- Marine and Freshwater Conservation Group, Zoological Society of London, oral presentation 2005
‘Population genetics of European seahorse: conservation implications for unique fishes’
- Television documentary with ‘Mar de Histórias’ on the research of Project Seahorse in the Ria Formosa, Portugal, including my current research. 2005
- Press conference with ‘Guylian’ on the research undertaken by Project Seahorse in the Ria Formosa, Portugal – including journalists from UK, Portugal and Belgium. 2005

TEACHING ASSISTANCE

- Graduate Teaching Assistant, General Entomology 2006-2008
Royal Holloway, University of London
- Graduate Teaching Assistant, Invertebrate Form and Function 2004-2007
Royal Holloway, University of London

PUBLICATIONS

Woodall LC, Koldewey HJ and Shaw P, (2009), **New techniques to the rescue for seahorse identification**, EAZA News, 65 14-15.

Woodall LC, Koldewey HJ, Santos SV and Shaw P, (2009), **First occurrence of the lined seahorse *Hippocampus erectus* (Perry 1810) in the Eastern Atlantic**, 75 1505-2512.

Naud M-J, Curtis JM, Woodall LC, Gaspar M, (2009), **Mate choice, operational sex ratio and social promiscuity in a wild population of the long-snouted seahorse *Hippocampus guttulatus***, Behavioural Ecology, 20 160-164.

PROFESSIONAL RESPONSIBILITIES

Joined the review panel for Journal of Fish Biology	2009
Member of Natural England Seahorse working group (Biological specialist)	2008
Advisor to the convention for the protection of the marine environment of the North-East Atlantic (OSPAR) (Seahorse specialist)	2008

EXTRA CERTIFICATION

GMDSS General Operators Certificate (Global Maritime Distress Safety System)	2009
UK government, Home Office License training Ethics modules 1-3, (Personal License).	2006
UK government, Home Office License training Ethics module 5, (Project License).	2006
PADI Divemaster (Professional Association of Diving Instructors)	2003
PSIA level 3 (fully certified) ski instructor (Professional Ski Instructors of America)	2002
RYA Yachtmaster commercial endorsement (Royal Association of Yachting), (re-validated 2003)	1999
RYA Powerboat 2	1999
Ship Captain's Medical	1998
Restricted Certificate of Competence in Radio Telephony - VHF only	1996
Merchant Navy Training Board - Fire Fighting Stage II	1996
Basic Sea Survival Course	1996
Full British Drivers Licence	1996