

BIOGRAPHICAL SKETCH

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Education: The August Krogh Institute, University of Copenhagen, Copenhagen, Denmark, BSc 1990 Biological Sciences
The August Krogh Institute, University of Copenhagen, Copenhagen, Denmark, MSc 1994 Marine Ecology
The Department of Marine Biology and Aquaculture, James Cook University, Queensland, Australia PhD 2000 Marine Ecology/Sensory Ecology
University of Copenhagen, Denmark 2001-2002 Post Doc
University of the Ryukyus, Japan 2003-2006 Post Doc

Professional Experience:

Aquarium Development Manager, London, UK 2000-2001
Senior Consultant DANAQ Aquaculture 2002-2003
Director, Reef Consultant 2006 -

Professional Societies:

International Society for Reef Studies – The Marine Biological Association of the United Kingdom – The Association of Danish Science Journalists

Publications most related to proposed research:

- Arvedlund, M., Hattori, A., Iwao, K., & Takemura, A. 2006. When cleanerfish become anemonefish. *J. Mar. Biol. Assoc. UK.* 86(5): 1265-1266.
- Arvedlund M., Iwao, K., Brolund, T.M. & Takemura A. 2006. Juvenile *Thalassoma amblycephalum* Bleeker (Labridae, Teleostei) dwelling among the tentacles of sea anemones: a cleanerfish with an unusual client? *J. Exp. Mar. Biol. Ecol.* 329(2): 161-173.
- Arvedlund, M. & Takemura A. 2005. Long-term observation of an anemonefish in a soft coral. *Coral Reefs.* 24(4): 698-698.
- Chadwick, N.E. & Arvedlund, M. 2005. Abundance of giant sea anemones and patterns of association with anemonefish in the northern Red Sea. *J. Mar. Biol. Assoc. UK.* 85(5): 1287-1292.
- Brolund T.M., Tychsen, A., Nielsen, L.E. & Arvedlund, M. 2004. An assemblage of the host anemone *Heteractis magnifica* in the northern Red Sea, and distribution of the resident anemonefish. *J. Mar. Biol. Assoc. UK.* 84(3): 671-674.

Significant other related publications: sensory ecology of coral reef fishes

- Arvedlund, M., Kavanagh, K. 2008. The senses and environmental cues used by larvae of marine fish and crustacean decapods to find tropical ecosystems. Chapter 3.6. Invited contributing author in: *Ecological interactions between tropical coastal ecosystems* (I. Nagelkerken, ed). Springer-Verlag. 85 pp.
- Arvedlund, M., Munday, P., Takemura, A. 2007. The morphology and ultrastructure of the peripheral olfactory organ in newly metamorphosed coral-dwelling gobies, *Paragobiodon xanthosomus* Bleeker (Gobiidae, Teleostei). *Tissue and Cell.* 39(5): 335-342.

- Arvedlund, M. & Takemura A. 2006. The importance of chemical environmental cues for juvenile *Lethrinus nebulosus* Forsskål (Lethrinidae, Teleostei) when settling into their first benthic habitat. *J. Exp. Mar. Biol. Ecol.* 338: 112-122.
- Arvedlund, M., T. Brolund & L. E. Nielsen. 2003. The morphology of the peripheral olfactory organ in the juvenile anemonefishes *Amphiprion ocellaris* & *Dascyllus aruanus*. *J. Mar. Biol. Assoc. UK.* 83(6): 1321-1326.
- Brolund, T.M., Nielsen, L.E. & Arvedlund, M. 2003. Do juvenile *Amphiprion ocellaris* Cuvier (Pisces: Pomacentridae) recognize conspecifics by chemical or visual cues? *J. Mar. Biol. Assoc. UK.* 83(5): 1127-1136.
- Arvedlund, M., K. Larsen & H. Windsor 2000. The embryonic development of the olfactory system in *Amphiprion melanopus* in relation to the anemonefish host imprinting hypothesis. *J. Mar. Biol. Assoc. UK.* 80(6):1103-1109.
- Arvedlund, M., M. McCormick, & T. Ainsworth 2000. Effects of photoperiod on growth of the larvae and juveniles of the anemonefish *A. melanopus* (Bleeker). *NAGA, the Worldfishcenter Quarterly.* 23(2): 18-23.
- Arvedlund, M., I. Bundgaard & L. E. Nielsen 2000. Host imprinting in anemonefishes - does it dictate spawning site preferences? *Envir. Biol. Fish.* 58(2): 201-211.
- Arvedlund, M., M. McCormick, D. G. Fautin & M. Bildsøe 1999. The anemonefish *A. melanopus* (Bleeker) (Pisces: Pomacentridae): a study of host detection and possible imprinting. *Mar. Ecol. Prog. Ser.* 188: 207-218.
- Arvedlund, M. & L. E. Nielsen 1996. Do the anemonefish *A. ocellaris* (Pisces: Pomacentridae) imprint themselves to their host sea anemone *Heteractis magnifica* (Anthozoa: Actinidae)? *Ethology* 102: 197-211.

Publication summary

20 refereed papers, 1 popular science book, 46 popular science papers