

8. Curriculum Vitae

: Matthias Hoffmann-Kuhnt
10 Warwick Rd.
Singapore 139000
6473-9226

BORN September 17th, 1965

EDUCATION

- 1987-1991 University of Regensburg, Germany. B.S. Zoology.
 1991-1994 University of Regensburg, Germany M.S. Zoology.
 Advisor: Dr. Jenny Kien. Thesis: Judgements of Similarity of Rotated and Unrotated Objects by a Bottlenosed Dolphin
 1995-2002 University of Hawaii at Manoa, Honolulu, HI.
 Visiting Researcher at the Kewalo Basin Marine Mammal Laboratory
 1995-Present University of Berlin, Germany, Department of Behavioral Biology
 Ph.D. Program. Advisor: Professor Dr. Dietmar Todt
 Dissertation: Auditory and Visual Vigilance in the Bottlenosed Dolphin.

EMPLOYMENT (TEACHING)

- 1992 University of Regensburg, Germany
 Teaching Assistant for Introduction to Marine Biology
 1992-1993 University of Regensburg, Germany
 Instructor for Introductory Course into Animal Physiology
 1994-2002t Lecture series on Sensory Systems of Cetaceans at the Kewalo Basin Marine Mammal Laboratory.
 1999 Transpacific Hawaii College: Adjunct Faculty: Marine Biology 100

EMPLOYMENT (RESEARCH)

- 1991-1993 University of Regensburg, Germany
 Research Assistant to Dr Jenny Kien,
 Analysis of Neuromotorical Patterns in *Locusta*
 1996-2002 Kewalo Basin Marine Mammal Laboratory, Honolulu, HI. Research Assistant
 2002-2003 Research Fellow, National University of Singapore, Tropical Marine Science Institute

PUBLICATIONS:

Herman, L. M., Pack, A. A., & Hoffmann-Kuhnt, M. (1998). Seeing through sound: Dolphins (*Tursiops truncatus*) perceive the spatial structure of objects through echolocation. *Journal of Comparative Psychology*, 112(3), 292-305.

Pack A. A., Herman L. M., Hoffmann-Kuhnt M. & Brandstetter B.K. (2002) The Object behind the Echo: Dolphins (*Tursiops Truncatus*) perceive object shape globally through echolocation. *Behavioural Processes*.

Pack, A. A., Herman, L. M., & Hoffmann-Kuhnt M. (2003). Dolphin echolocation shape perception: From sound to object. In J. Thomas, C. Moss, & M. Vater (Eds.). *Echolocation in Bats and Dolphins*. Chicago: University of Chicago Press.

PRESENTATIONS

Hoffmann-Kuhnt, M., Herman, L. M., Todt, D., & Pack A. A. "Auditory and Visual Vigilance in the Bottlenosed Dolphin", 13th Biennial Conference on the Biology of Marine Mammals December 1999 Wailea, Maui, oral presentation.

Pack A. A., Herman L. M., Hoffmann-Kuhnt M. & Brandstetter B.K. A dolphin reports the presence and absence of objects across the senses of vision and echolocation. 13th Biennial Conference on the Biology of Marine Mammals December 1999 Wailea Maui Poster presentation.

Hoffmann-Kuhnt, M., Herman L. M., & Pack A. A., Judgments of similarity or rotated and unrotated objects by a bottlenosed dolphin (*Tursiops truncatus*) XXIVth International Ethological Conference, Honolulu. August 1995, Poster presentation

G. Mayer-Kress, L.M. Herman, M. Hoffmann-Kuhnt, A.A. Pack, Video Tracking Interface for Dolphins: A New Approach to Interspecies Communication, Presented at: Sciences of the Interface Symposium, ZKM Karlsruhe, May 18-21, 2000

AWARDS: F.A. Beach Award for best published paper in 1998 in the Journal of Comparative Psychology: "Seeing through Sound".