

Peter James Corkeron
Curriculum Vitae

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CURRENT POSITION

Senior Scientist, and Chair, Kraus Marine Mammal Conservation Program, Anderson Cabot Center for Ocean Life, New England Aquarium, Boston MA.

EDUCATION

Doctor of Philosophy, The University of Queensland. 1989. Dissertation: Studies of inshore dolphins (*Tursiops* and *Sousa*) in the Moreton Bay region. Supervisor: Prof. M.M. Bryden

Bachelor of Science. (Zoology) The University of Queensland 1983.

PROFESSIONAL EXPERIENCE

- 8/2011-9/2019: Leader, Large Whale Team, Northeast Fisheries Science Center, Woods Hole MA
- 10/2008-8/2011: Natural Resource Specialist, Integrated Statistics, Woods Hole MA
- 3/2007- 9/2008: Visiting Scientist, Northeast Fisheries Science Center, Woods Hole USA
- 2/2006 – 2/2007: Guest Investigator, Biology Department, Woods Hole Oceanographic Institution, USA
- 2/2005 – 2/2006: Associate Scientist, Bioacoustics Research Program, Cornell Lab of Ornithology, Ithaca USA
- 1/2003 – 11/2004: Principal Scientist, Norwegian Institute of Marine Research, Tromsø, Norway
- 11/2000-12/2002: Senior, then Principal Scientist, Norwegian Institute of Fisheries and Aquaculture Research, Tromsø, Norway
- 7/1998-10/2000: Lecturer in Environmental Science, School of Tropical Environment Studies and Geography, James Cook University, Queensland Australia
- 4/1996 – 6/1998: James Cook Postdoctoral Fellow, School of Tropical Environment Studies and Geography, James Cook University, Queensland Australia
- 8/1995 – 3/1996: Research Fellow, Department of Tropical Environment Studies and Geography, James Cook University, Queensland Australia
- 7/1988 – 8/1995: Research Fellow, then Postdoctoral Fellow, Department of Veterinary Anatomy, University of Sydney, New South Wales, Australia

Research interests

I am a marine ecologist who uses science to help mitigate human impacts on marine wildlife, primarily cetaceans. I have worked in many parts of the world on cetaceans, pinnipeds and sirenians (and occasionally, sea turtles, megabats and macropods). The overarching theme of my work has been to use the most appropriate scientific techniques to address management concerns in a manner that is simple, constructive, and effective. At the science-policy interface, I work on the manner in which marine mammals are included in concepts of Ecosystem-Based Fishery Management; and in using spatial zoning for marine wildlife conservation. The focus of my recent research has been to provide the science underpinning the management of human impacts on baleen whales, primarily North Atlantic right whales. Much of the recent concern over the status of these whales stems from the program I manage. Some of my other recent projects have included surveys of marine wildlife in the waters off the Arabian Peninsula; analyzing linkages between stress hormones, body condition and life history parameters of North Atlantic right whales; developing technology to improve understanding of whales' distribution; and furthering our understanding the role of marine mammals in marine ecosystems.

Graduate and postdoctoral advisers

Prof. Michael M. Bryden, The University of Queensland, The University of Sydney

Prof. Helene Marsh, James Cook University

Affiliations and society memberships

Current

- Research Faculty, School for the Environment, University of Massachusetts Boston
- Adjunct Associate Professor, Biology Department, University of Massachusetts Dartmouth
- Guest Investigator, Biology department, Woods Hole Oceanographic Institution
- Charter member, The Society for Marine Mammalogy
- Member, IUCN Cetacean Specialist Group, 1999-
- Advisory Committee, Marine Mammal Center, Woods Hole Oceanographic Institution
- Member, Convention on Migratory Species expert working group dealing with the conservation implications of non-human culture and social complexity.
- Member, American Association for the Advancement of Science.

Prior:

- Visiting Fellow, Bioacoustics Research Program, Cornell Lab of Ornithology 2005-2013.
- Adjunct Senior Scientist, New England Aquarium 2010-2011.
- Member, IWC (International Whaling Commission) Scientific Committee (2002, 2007,2009)
- 2000 - 2004: Member, ICES (International Council for the Exploration of the Sea) Working Group on Harp and Hooded Seals;
- 2000 – 2004: Member, ICES Working Group on Marine Mammal Ecology.

AWARDS

James Cook Postdoctoral Fellowship, 1996 James Cook University, Australia.

US Public Sector Innovation award, 2018, for the *North Atlantic Right Whale Protection System* (with D Chevrier, T Cole, and S Van Parijs, Northeast Fisheries Science Center).

NOAA Bronze Award 2019. *For expanding international partnerships to assess changing right whale distributions and revealing causative factors to a tragic population decline.* (with several members of my research group, and 3 NOAA pilots).

ANIMAL CARE

Chair, National Marine Fisheries Service, Atlantic & Gulf of Mexico Institutional Animal Care and Use Committee, 2017-2018.

LEADERSHIP

Examples of advice to government:

- 2018, 2019: Invited expert reviewer, (Canadian) National Marine Mammal Peer Review Committee meeting.
- April 2010 Invited expert witness, testified before the US Congressional (House) Subcommittee on Insular Affairs, Oceans and Wildlife oversight hearing on "Marine Mammals In Captivity: What Constitutes Meaningful Public Education?"
- 2007-2008 Qatar National Dugong Conservation Initiative: teaching staff of the Qatar Ministry of Environment on the design, conduct and analysis of aerial surveys for coastal marine mammals.
- 1989-2000 Scientific Adviser to the Hervey Bay Marine Park Advisory Committee (Queensland Australia), responsible for oversight of the first MPA established to manage whalewatching.

Contributions to international scientific peer review

Journal editorial duties:

Marine Ecology Progress Series: Contributing Editor 2011- ;
Review Editor 2005-2011; Staff Anonymous Referee 2002-2005

Tourism in Marine Environments: Associate Editor 2003-
Aquatic Biology. Contributing Editor 2007-2011

Other journal refereeing

African Journal of Marine Science; Animal Conservation; Aquatic Conservation: Marine and Freshwater

Ecosystems; Aquatic Living Resources; Aquatic Mammals; Animal Behaviour; Asian Marine Biology; Australian Mammalogy; Behaviour; Behavioral Ecology and Sociobiology; Bioacoustics; Biological Conservation; BMC Ecology; Canadian Journal of Zoology; Canadian Journal of Fisheries and Aquatic Sciences; Conservation Biology; Diversity and Distributions; Ecography; Ecology Letters; Endangered Species Research; Environmental Management; Environmental Modelling and Software; Estuarine, Coastal and Shelf Science; Frontiers in Ecology and Environment; Frontiers in Ecology and Evolution; Frontiers in Marine Science; Journal of Applied Ecology; ICES Journal of Marine Science; Journal of Cetacean Research and Management; Journal of the Acoustical Society of America; Journal of Applied Ecology; Journal of Environment and Development; Journal of Investigative Dermatology; Journal of Mammalogy; Journal of the Marine Biological Association of the UK; Journal of Zoology London; Journal of Sustainable Tourism; Journal of Wildlife Management; Landscape and Urban Planning; Latin American Journal of Aquatic Mammals; Marine Biodiversity Records; Marine Biology; Marine Ecology Progress Series; Marine Mammal Science; Marine Policy; Mammalian Biology; Mammalian Species; PLoS ONE; Polar Biology; Proceedings of the Linnean Society of New South Wales; Proceedings of the National Academy of Sciences; Progress in Oceanography; Royal Society Open Science, South African Journal of Wildlife Research; Wildlife Research.

Refereeing for granting agencies

Alaska Sea Grants; Australian Research Council; Earthwatch Institute; Foundation for Research Development (South Africa); International Whaling Commission; National Science Foundation (USA); North Pacific Research Board; Sea World Research and Rescue Foundation Inc (Australia); RV Franklin (Australia); natural resource management agencies in Australia; internal and external NOAA grants.

Conference committees

Chief Editor, 22nd Biennial Conference on the Biology of Marine Mammals, Halifax, Nova Scotia, Canada. 2017.

PUBLICATIONS

Formally mentored graduate students, formally mentored undergraduates, informally mentored graduate students, postdocs.

Refereed publications

Perspectives and scientific correspondence in refereed journals:

Corkeron, P. and Kraus SD. 2018. Baleen whale species at risk of extinction. *Nature* 554:169.

Simmonds, M. and **Corkeron P.** 2016. A deal on whaling is a bad idea: a response to Gerber. *Frontiers in Ecology and Environment* 14:181–182 doi:10.1002/fee.1263

Higham, J., Lusseau, D., Allen, S., **Corkeron, P.J.** and Bejder, L. 2015. Regulating whalewatching as a consumptive activity. *Journal of Sustainable Tourism*. 24:73-90.

Risch D, Corkeron PJ, Ellison WT, Van Parijs SM (2014) Formal Comment to Gong et al.: Ecosystem Scale Acoustic Sensing Reveals Humpback Whale Behavior Synchronous with Herring Spawning Processes and Re-Evaluation Finds No Effect of Sonar on Humpback Song Occurrence in the Gulf of Maine in Fall 2006. *PLoS ONE* 9(10): e109225. doi:10.1371/journal.pone.0109225

Corkeron, P.J. 2009. Marine mammals' influence on ecosystem processes affecting fisheries in the Barents Sea is trivial. *Biology Letters*. 5:204-206

Corkeron, P.J. 2009. Reconsidering the science of scientific whaling. *Marine Ecology Progress Series* 375:305-309.

Corkeron, P.J. 2006. Opposing views of the “ecosystem approach” to fisheries management. *Conservation Biology* 20:617-619.

Corkeron, P.J. 2004. Fishery Management and Culling. *Science*. 306:1891.

Corkeron, P.J. 2004. Whalewatching, iconography and marine conservation. *Conservation Biology*. 18:847-849.

Connor R.C. and **Corkeron P.J.** 2001. Predation past and present: killer whales and baleen whale migration. *Marine Mammal Science* 17:436-439

Journal articles:

Corkeron, P, Hamilton, P, Bannister, J, Best, P, Charlton, C, Groch, KR, Findlay, K, Rowntree, V, Vermeulen, E, and Pace RM III. 2018. The recovery of North Atlantic right whales, *Eubalaena glacialis*, has been

- constrained by human-caused mortality. *Royal Society Open Science*. 5: 180892.
<http://dx.doi.org/10.1098/rsos.180892>
- Virgili, A (and many authors, including me) 2018. Combining multiple visual surveys to model the habitat of deep-diving cetaceans at the basin scale. *Global Ecology and Biogeography* 28:300-314
- Cholewiak, D, Izzi, A, Palka, D, **Corkeron, PJ** and Van Parijs SM. 2017. Beaked whales demonstrate a marked acoustic response to the use of shipboard echosounders. *Royal Society Open Science*. 4 170940
- Pace, RM III, **Corkeron, P** and Kraus, SD. 2017. State space mark recapture estimates reveal a recent decline in abundance of North Atlantic right whales. *Ecology and Evolution*. <https://doi.org/10.1002/ece3.3406>
- Davis G. et al (many authors) Long-term passive acoustic recordings track the changing distribution of North Atlantic right whales (*Eubalaena glacialis*) from 2004 to 2014. *Scientific Reports* 7:13460 doi: 10.1038/s41598-017-13359-3
- van der Hoop J, **Corkeron P** and Moore M. 2017 Entanglement is a costly life history stage in large whales. *Ecology & Evolution* 7:92–106. doi: [10.1002/ece3.2615](https://doi.org/10.1002/ece3.2615)
- van der Hoop J, **Corkeron P**, Henry, AG, Knowlton, AR, and Moore M. 2016. Predicting lethal entanglements as a consequence of drag from fishing gear. *Marine Pollution Bulletin*. 115: 91-104,
<https://doi.org/10.1016/j.marpolbul.2016.11.060>
- Corkeron P**, Rolland RM, Hunt KE and Kraus SD. 2017. A Right Whale Pootree: Classification trees of fecal hormones identify reproductive states in North Atlantic right whales (*Eubalaena glacialis*). *Conservation Physiology*. cox006, <https://doi.org/10.1093/conphys/cox006>
- van der Hoop J, **Corkeron P**, Kenney J, Landry S, Morin D, Smith J, and Moore M 2016. Drag from fishing gear entangling North Atlantic right whales. *Marine Mammal Science*. 32: 619-642
- Rolland, R.M., Parks, S.E., Hunt, K.H., Castellotte, M., **Corkeron, P.J.**, Nowacek, D.P., Wasser, S.K., and Kraus, S.D. 2012. Evidence that ship noise increases stress in right whales. *Proceedings of the Royal Society of London, Series B*. 279:2363-2368
- Risch, D., **Corkeron, P.**, Van Parijs, S. and Ellison, W. 2012. Humpback whales singing behavior changes in response to an acoustic signal over 200 km away. *PLoS ONE* 7(1): e29741.
doi:10.1371/journal.pone.0029741
- Mussoline S.E., D. Risch, C.W. Clark, L.T. Hatch, M.T. Weinrich, D. N. Wiley, M.A. Thompson, **P.J. Corkeron** and S.M. Van Parijs 2012. Seasonal and diel variation of the North Atlantic right whale up-call: implications for management and conservation in the Northwestern Atlantic Ocean. *Endangered Species Research*. 17:17-26
- Corkeron, P.J.**, Minton, G., Collins, T., Findlay, K., Willson A., and Baldwin, R. 2011. Spatial models of sparse data to inform cetacean conservation planning: an example from Oman. *Endangered Species Research*. 15:39-52.
- Parra, G.J., **Corkeron, P.J.**, and Arnold P. Grouping and fission-fusion dynamics of Australian snubfin and Indo-Pacific humpback dolphins. *Animal Behaviour*. 82:1423-1433
- Clark, C.W., Brown, M. and **Corkeron, P.J.** 2010. Visual and acoustic surveys for North Atlantic right whales, *Eubalaena glacialis*, in Cape Cod Bay, Massachusetts, 2001-2005: management implications. *Marine Mammal Science*. 26:837-854
- Valsecchi, E. **Corkeron, P.J.**, Galli, P., Sherwin, W., Bertorelle, G. 2010. Genetic evidence for sex-specific migratory behaviour in western South Pacific humpback whales. *Marine Ecology Progress Series* 398:275-286.
- Scarpaci, C., Nuggeoda, D. and **Corkeron, P.J.** 2010. Nature-based tourism and the behaviour of bottlenose dolphins *Tursiops* spp. in Port Phillip Bay, Victoria, Australia. *Victorian Naturalist* 127(3): 64-70.
- Leaper, R., Lavigne, D.M., **Corkeron P.** and Johnston, D.W. 2009. Towards a precautionary approach to managing Canada's commercial harp seal hunt. *ICES Journal of Marine Science* 67:316-320.
- Van Opzeeland, I.C., **Corkeron, P.J.**, Risch, D., Stenson, G. and Van Parijs S.M. 2009. Geographic variation in vocalizations of pups and mother-pup behaviour of harp seals *Pagophilus groenlandicus*. *Aquatic Biology* 6:109-120.
- Risch, D., Clark, C.W., **Corkeron, P.J.**, Elepfandt, A., Kovacs, K.M., Lydersen, C., Stirling, I. and Van Parijs, S.M. 2007. Vocalizations of male bearded seals (*Erignathus barbatus*) classification and geographical variation. *Animal Behaviour*. 73:747-762.
- Wolkers, H., **Corkeron, P.J.**, Van Parijs, S.M., Similä, T., and van Bavel, B. 2007. Accumulation and transfer of

- contaminants in killer whales (*Orcinus orca*) from Norway: indications for contaminant metabolism. *Environmental Toxicology and Chemistry* 26:1582-1590.
- Parra, G.J., Corkeron, P.J. and Marsh H. 2006. Population sizes, site fidelity and residence patterns of Australian snubfin and Indo-Pacific humpback dolphins: implications for conservation. *Biological Conservation* 129:167-180.
- Parra, G.J., Schick, R., and Corkeron, P.J. 2006. Spatial distribution and environmental correlates of Australian snubfin and Indo-Pacific humpback dolphins. *Ecography* 29:1-11.
- Haug, T., Stenson, G.B., Corkeron, P.J. and Nilssen, K.T. 2006. Estimation of harp seal (*Pagophilus groenlandicus*) pup production in the North Atlantic completed: results from surveys in the Greenland Sea in 2002. *ICES Journal of Marine Science* 63:95-104.
- Van Opzeeland, I.C., Corkeron, P.J. Leyssen, T., Simila, T., and Van Parijs, S.M. 2005. Acoustic behaviour of Norwegian killer whales, *Orcinus orca* during carousel and seiner foraging on spring-spawning herring. *Aquatic Mammals* 31:110-119.
- Scarpaci, C., Nuggeoda, D. and Corkeron, P.J. 2005. Tourists swimming with Australian fur seals (*Arctocephalus pusillus*) in Port Phillip Bay, Victoria, Australia: are tourists at risk? *Tourism in Marine Environments* 1:97-104.
- Hodgson, A.J., Marsh H. and Corkeron, P.J. 2004. Provisioning by tourists affects the behaviour but not the body composition of Mareeba rock wallabies (*Petrogale mareeba*). *Wildlife Research* 31: 451-456.
- Scarpaci, C., Nuggeoda, D. and Corkeron, P.J. 2004. No significant improvement in compliance behaviour by "swim-with-dolphins" tour operations in Port Phillip Bay, Victoria. *Tourism in Marine Environments*. 1:41-48.
- Corkeron, P.J. and Martin, A.R. 2004. Ranging and diving behaviour of two "offshore" bottlenose dolphins, *Tursiops* sp., off eastern Australia. *Journal of the Marine Biological Association of the UK*. 84:465-468.
- Parra, G.J., Corkeron, P.J. and Marsh, H. 2004. The Indo-Pacific humpback dolphin, *Sousachinensis* (Osbeck, 1765) in Australian waters: a summary of current knowledge. *Aquatic Mammals* 30:197-206.
- Chilvers, B.L. Corkeron, P.J. and Puotinin, M.L. 2003. The influence of trawling on the behaviour and spatial distribution of Indo-Pacific bottlenose dolphins, *Tursiops aduncus*, in Moreton Bay, Australia. *Canadian Journal of Zoology*. 81:1947-1955.
- Scarpaci, C., Nuggeoda, D. and Corkeron, P.J. 2003. Behaviour and Ecology of the Bottlenose Dolphin (*Tursiops* sp.) in Port Phillip Bay, Victoria, Australia: an annual cycle. *The Victorian Field Naturalist*, 120(2):48-55.
- Van Parijs, S.M., Corkeron, P.J., Harvey, J., Hayes, S., Mellinger, D., Rouget, P., Thompson, P.M. Wahlberg, M. and Kovacs, K.M. 2003. Regional patterns in vocalizations of male harbor seals. *The Journal of the Acoustical Society of America*. 113:3403-3410.
- Scarpaci, C., Nuggeoda, D., and Corkeron, P.J., 2003. Compliance with regulations by "swim-with-dolphins" operations in Port Phillip Bay, Victoria, Australia. *Environmental Management*. 31:342-347.
- Chilvers, B.L. and Corkeron, P.J. 2003. Abundance of Indo-Pacific bottlenose dolphins *Tursiops aduncus*, off Point Lookout, Australia. *Marine Mammal Science*. 19:85-95
- Van Parijs S.M. and Corkeron, P.J. 2002 Ontogeny of vocalisations in infant black flying foxes, *Pteropus alecto*. *Behaviour* 139:1111-1124.
- Van Parijs S.M., Smith, J. and Corkeron, P.J. 2002. Using calls to estimate the abundance of inshore dolphins; a case study with Pacific humpback dolphins, *Sousa chinensis*. *Journal of Applied Ecology*. 39:853-864.
- Chilvers, B.L. and Corkeron, P.J. 2002. Association patterns of bottlenose dolphins, *Tursiops aduncus*, off Point Lookout, Queensland, Australia. *Canadian Journal of Zoology* 80:973-979
- Parra G.J., Azuma C., Preen A.R., Corkeron P.J. and Marsh H. 2002 Distribution and status of Irrawaddy dolphins, *Orcaella brevirostris*, in Australian waters. *The Raffles Bulletin of Zoology* 10:141-154
- Valsecchi E., Hale P.T., Corkeron P. and Amos W. 2002. Social structure in migrating humpback whales (*Megaptera novaeangliae*): a molecular analysis. *Molecular Ecology* 11: 507-518.
- Van Parijs S. and Corkeron P.J. 2001. Evidence for signature whistle production by a Pacific humpback dolphin. *Marine Mammal Science* 17:944-949.
- Chilvers, B.L. and Corkeron P.J. 2001. Trawling and bottlenose dolphins' social structure. *Proceedings of the Royal Society of London. Series B*. 268:1901-1906.
- Van Parijs S. and Corkeron P.J. 2001 Boat traffic affects the acoustic behaviour of Pacific humpback dolphins

- Sousa chinensis*. *Journal of the Marine Biological Association of the United Kingdom*. 81:533-538.
- Van Parijs S. and Corkeron P.J. 2001. Vocalisations and behaviour of Pacific humpback dolphins, *Sousa chinensis*. *Ethology*. 107:701-716.
- Parra G.J. and Corkeron P.J. 2001 Feasibility of using photo-identification techniques to study the Irrawaddy dolphin, *Orcaella brevirostris* (Owen in Gray 1866). *Aquatic Mammals*. 27:45-49.
- Chilvers B.L., Corkeron P.J. Blanshard W.H., Long T.R. and Martin A.R. 2001 A new compact VHF tag and attachment technique for small cetaceans. *Aquatic Mammals*. 27:11-15.
- Corkeron P.J. and Van Parijs S. 2001 Vocalisations of eastern Australian Risso's dolphins, *Grampus griseus*. *Canadian Journal of Zoology*. 79:160-164.
- Van Parijs S., Parra G. and Corkeron P.J. 2000. Sounds produced by Australian Irrawaddy dolphins, *Orcaella brevirostris*. *Journal of the Acoustical Society of America*. 108:1938-1940.
- Scarpaci C., Bigger S.W., Saville T.A., Corkeron P.J. and Nugegoda D. 2000. Bottlenose dolphins, *Tursiops truncatus*, increase whistling in the presence of "Swim-with-dolphin" tour operations. *Journal of Cetacean Research and Management*. 2:183-185.
- Marsh H., Eros C., Corkeron P.J. and Breen B. 1999. A conservation strategy for dugongs: implications of Australian research. *Marine and Freshwater Research* 50:979-990.
- Corkeron P.J. and Connor R. C. 1999. Why do baleen whales migrate? *Marine Mammal Science*. 15:1228-1245
- Corkeron, P.J., Ensor P. and Matsuoka K. 1999. Observations of blue whales feeding in Antarctic waters. *Polar Biology*. 22:213-215
- Corkeron P.J., Morissette N.M., Porter L.J., and Marsh H. 1997. Distribution and status of humpback dolphins, *Sousa chinensis*, in Australian waters. *Asian Marine Biology* 14:49-59
- Valsecchi E., Palsbøll P., Hale P., Glockner-Ferrari D., Ferrari M., Clapham P., Larsen F., Mattila D., Sears R., Sigurjonsson J., Brown M., Corkeron P. and Amos B. 1997. Microsatellite genetic distances between oceanic populations of the humpback whale (*Megaptera novaeangliae*). *Molecular Biology and Evolution* 14:355-362.
- Corkeron P.J., Leh C., Andau P., Wong M. and Leatherwood S. 1995. Cetaceans of Northern Borneo. *Brunei Museum Journal*. 10:55-64.
- Corkeron P.J. 1995. Humpback whales (*Megaptera novaeangliae*) in Hervey Bay. Behaviour and interactions with whalewatching vessels. *Canadian Journal of Zoology* 73:1290-1299.
- Schultz K.W., Cato D.H., Corkeron P.J. and Bryden M.M. 1995. Low frequency narrowband sounds produced by bottlenose dolphins. *Marine Mammal Science*. 11:503-509.
- Brown M.R. and Corkeron P.J. 1995. Pod characteristics of humpback whales, *Megaptera novaeangliae*, migrating off Point Lookout, Queensland. *Behaviour* 132:163-179.
- Brown M.R., Corkeron P.J., Hale P.T., Schultz K.W. and Bryden M.M. 1995. Evidence for a sex-segregated migration in humpback whales, *Megaptera novaeangliae*. *Proceedings of the Royal Society of London, Series B*. 259:229-234
- Schultz K.W. and Corkeron P.J. 1994. Interspecific differences in whistles produced by inshore dolphins in Moreton Bay, Queensland, Australia. *Canadian Journal of Zoology*. 72:1061-1068.
- Brown M.R., Corkeron P.J., Hale P.T., Schultz K.W. and Bryden M.M. (1994) Behavioural responses of east Australian humpback whales to biopsy sampling. *Marine Mammal Science* 10:391-400.
- Corkeron P.J., Brown M.R., Slade R.W. and Bryden M. 1994. Humpback whales (*Megaptera novaeangliae* Cetacea: Balaenopteridae) in Hervey Bay. *Wildlife Research* 21(3):293-305.
- Baker C.S., Slade R.W., Bannister J.L., Abernethy R.B., Weinrich M.T., Lien J., Urban R., Corkeron P.J., Calambokidis J., Vasquez O. and Palumbi S.R. 1994. Hierarchical structure of mtDNA gene flow among humpback whales world-wide. *Molecular Ecology* 3:313-327.
- Corkeron P.J. and Bryden M.M. 1992. Sightings of Risso's dolphins, *Grampus griseus* (Cetacea: Delphinidae) off Fraser Island, Queensland. *Australian Mammalogy* 15:129-130.
- Green A. and Corkeron P.J. 1991. An attempt to establish a dolphin feeding station at Moreton Island, Queensland. *Aquatic Mammals*. 17:125-129.
- Corkeron P.J., Morris R.J. and Bryden M.M. 1987. A note on the healing of large wounds in bottlenose dolphins, *Tursiops truncatus*. *Aquatic Mammals* 13:96-98.
- Corkeron P.J., Morris R.J. and Bryden M.M. 1987. Interactions between bottlenose dolphins and sharks in Moreton Bay, Queensland. *Aquatic Mammals* 13:111-114.

Refereed Book Chapters

- Corkeron, P.J.** 2014. Human attitudes and values: tradition and transformation and zombies. Pp 48-56 in Higham, J.E.S., Bejder, L. & Williams, R. (Eds). (2014). *Whale-watching, sustainable tourism and ecological management*. Cambridge University Press. 418pp. ISBN: 978-0-521-19597-3.
- Corkeron, P.J.** 2006. How shall we watch whales? pp 161-170 in D.M. Lavigne (ed). *Gaining Ground: In Pursuit of Ecological Sustainability. Proceedings of an International Forum*. The International Fund for Animal Welfare, Guelph, Canada and the University of Limerick, Limerick, Ireland.
- Corkeron P.J.** 1997. Bottlenose dolphins, *Tursiops truncatus*, in southeast Queensland waters: social structure and conservation biology. pp 1-10 in Hindell M. and Kemper C. (eds) *Marine mammal research in the southern hemisphere. Volume 1. Status, ecology and medicine*. Surrey Beatty and Sons. Chipping Norton. Australia
- Irvine A., Bryden M.M., Corkeron P.J.** and Warneke R.M. 1997. A census of fur seals at Montague Island. Pp 56-62 in Hindell M. and Kemper C. (eds) *Marine mammal research in the southern hemisphere. Volume 1. Status, ecology and medicine*. Surrey Beatty and Sons. Chipping Norton. Australia
- Marsh H., Corkeron P.J., Limpus C.J., Shaughnessy P.D.** and Ward T.M. 1995. The reptiles and mammals in Australian seas: their status and management. pp 151-166 in Zann L. P. and Kailola P (eds) *"The state of the marine environment report for Australia. Technical Annex: 1"*. Great Barrier Reef Marine Park Authority. Townsville.
- Marsh H., Corkeron P.J., Limpus C.J., Shaughnessy P.D.** and Ward T.M. 1994. Conserving marine mammals and reptiles in Australia and Oceania. pp 225-244 in Moritz C. and Kikkawa J. (eds) *"Conservation biology in Australia and Oceania"*. Surrey Beatty and Sons, Chipping Norton. Australia
- Corkeron P.J.** 1990. Aspects of the behavioural ecology of inshore dolphins, *Tursiops truncatus* and *Sousa chinensis* in Moreton Bay, Australia. pp 285-294 in Leatherwood S. and Reeves R. R. (eds). *"The bottlenose dolphin."* Academic Press. San Diego. USA
- Corkeron P.J., Bryden M.M.** and Hedstrom K. 1990. Feeding by bottlenose dolphins in association with trawling operations in Moreton Bay, Australia. pp 329-336 in Leatherwood S. and Reeves R. R. (eds). *"The bottlenose dolphin."* Academic Press. San Diego. USA

Refereed encyclopedia entries

- Corkeron P.J.** 2017. Captivity pp 183-188 in Würsig B., Thewissen J.G.M. and Kovacs, K. *The Encyclopedia of Marine Mammals. Third Edition*. Academic Press. San Diego. USA
- Corkeron P.J.** 2009. Captivity pp 183-188 in Perrin W.F., Würsig B. and Thewissen J.G.M. *The Encyclopedia of Marine Mammals. Second Edition*. Academic Press. San Diego. USA
- Corkeron P.J.** 2002. Captivity. pp 192-197 in Perrin W.F., Würsig B. and Thewissen J.G.M. *The Encyclopedia of Marine Mammals*. Academic Press. San Diego. USA
- Corkeron P.J.** and **Van Parijs S.** 2001. Marine mammal migrations and movement patterns. in Steele J.H., Turekian K.K. and Thorpe S.A. (eds). *Encyclopedia of Ocean Sciences*. Academic Press. Pp 1603-1611.

Refereed conference publications.

- Corkeron, P.J.** 2007. Can fisheries problems be solved by culling marine mammals? In *Marine Nature Conservation in Europe 2006. Proceedings of the Symposium, May 2006*. Kraus, J.C., von Nordheim, H. and Bräger, S. (eds). Bundesamt für Naturschutz, Bonn, Germany.
- Corkeron P.J.** and **Van Parijs S.** 2001. Beyond bottlenoses: a comparative study of the sounds produced by sympatric delphinids. *Proceedings of the 17th International Congress on Acoustics, Rome*.
- Corkeron, P.J.** **Van Parijs S.M.** and Marsh H. 1998. Humpback whale management and research in Australasia and the South Pacific: future directions. *Report to the Australian and New Zealand Environment Conservation Council*.
- Corkeron P.J.** 1997. The status of cetaceans in the Great Barrier Reef Marine Park. pp 283-287 In Wachenfeld D., Oliver J. and Davis K. (eds) *The state of the GBR World Heritage Area report*.
- Marsh H.** and **Corkeron P.J.** 1997. The status of the dugong in the Great Barrier Reef region. pp 231-247 in Wachenfeld D., Oliver J. and Davis K. (eds) *The state of the GBR World Heritage Area report*.
- Corkeron P.J.** 1996. Priorities for research into whalewatching in Australia: a scientist's view. pp 123-136 in

Colgan K. (ed) *"Encounters with Whales 95"*.

Preen A., Thompson J. and **Corkeron P.J.** 1992. Wildlife and management: dugongs, waders and dolphins. pp 61-70 in Crimp O. N. (ed) *"Moreton Bay in the balance"*. Australian Littoral Society and Australian Marine Science Consortium. Brisbane. 127pp.

Examples of refereed research reports

- Rosel, PE, **Corkeron, P.**, Engleby, L, Epperson, D, Mullin, KD, Soldevilla, MS and Taylor, BL. 2016. Status review of Bryde's whales (*Balaenoptera edeni*) in the Gulf of Mexico under the Endangered Species Act. *NOAA Technical Memorandum NMFS-SEFSC-692*.
- Nilssen KT, **Corkeron P.**, Haug T, Skavberg NE, Jenssen BM and Henriksen G. 2004 Status for havertbestandens ungeproduksjon langs norskekysten i 2001-2003. *Fisken og Havet*. 59pp. Available at: <http://hdl.handle.net/11250/113433> (in Norwegian).
- Haug T, **Corkeron P.**, Nilssen KT and Stenson GB. 2002. Report from aerial surveys of ice breeding seals in the Greenland Sea pack-ice during the 2002 whelping season. *Fiskeriforskning Report 8/2002*.
- Marsh H., **Corkeron P.J.**, Breen B. and Morissette 1999. The dugong *Dugong dugon*. An action plan for its conservation in Australia. Report to the Australian Nature Conservation Agency.
- Marsh H., **Corkeron, P.J.**, Preen A.R. and Pantus F. 1998. Aerial survey of the marine wildlife in Gulf of Carpentaria waters adjacent to Queensland. Report to Environment Australia. 59pp.
- Corkeron P.J.** 1996. Species synopses for *Tursiops*, *Sousa* and *Orcaella*. in Bannister J., Warneke R and Kemper C. The Action Plan for Australian cetaceans. Report to the Australian Nature Conservation Agency.
- Marsh H. and **Corkeron P.J.** 1996. The status of the dugong in the northern Great Barrier Reef Marine Park. Report to the Great Barrier Reef Marine Park Authority. 57pp.
- Marsh H., **Corkeron P.J.**, Lawler I. R., Lanyon J.M. and Preen A.R. 1996. The status of the dugong in the southern Great Barrier Reef Marine Park. Great Barrier Reef Marine Park Authority Research Publication 41. 80pp.
- Marsh H, Delean S., **Corkeron P. J.**, and De'ath G. 1996. Spatial and temporal variation in dugong abundance in the Orman Reef area in Torres Strait. Report to the Australian Fisheries Management Authority. 20pp.

Other publications

Book reviews

- Corkeron P.J.** 2007. Review of "Ecology and Ecosystem Conservation" *Ecoscience* 14: 546-547.
- Corkeron P.J.** 1997. Review of "Gillnets and cetaceans, IWC Special Issue 15". *Australian Zoologist*. 32: 328
- Corkeron P.J.** 1995. Review of "Biology of northern hemisphere pilot whales, IWC Special Issue 14". *Australian Zoologist*. 30: 112
- Corkeron P.J.** 1991. Review of "Individual recognition of cetaceans: use of photo-identification and other techniques, IWC Special Issue 12". *Australian Zoologist* 27:47-48

Working papers at international meetings

- Baldwin, R. M., Collins, T., Minton, G., Willson, A., and **Corkeron, P.** 2011. Arabian Sea humpback whales 2011 update: resights, bubble feeding and hotspots. Report to the Scientific Committee of the International Whaling Commission. SC/63/SH27. 5pp.
- Baldwin, R. M., Collins, T., Minton, G., Findlay, K., **Corkeron, P.**, Willson, A., and Van Bresseem, M. 2010. Arabian Sea humpback whales: Canaries for the Northern Indian Ocean? Report to the Scientific Committee of the International Whaling Commission. SC/62/SH20. 5pp.
- Corkeron, P.J.** The usefulness of marine protected areas in marine mammal management. Paper presented at the ICES Working Group on Marine Mammal Ecology, Pasaia, Spain, March 2004.
- Corkeron, P.J.** Another look at gut contents. Paper presented at the Joint ICES/NAFO Working Group on Harp and Hooded Seals (WGHARP) Archangelsk, Russia, September 2003
- Haug, T., Stenson, G.B., **Corkeron, P.J.**, and Nilssen, K.T. Estimation of harp seal (*Pagophilus groenlandicus*) pup production in the North Atlantic completed: results from surveys in the Greenland Sea in 2002. Paper presented at the Joint ICES/NAFO Working Group on Harp and Hooded Seals (WGHARP) Archangelsk, Russia, September 2003

- Frie, A.K., Svetochева, O., Lindblom, L., Skavberg, N.-E., **Corkeron, P.** and Haug, T. 2003. Preliminary results of a Russian/Norwegian crossreading experiment on age determination of harp seals (*Pagophilus groenlandicus*). Joint ICES/NAFO Working Group on Harp and Hooded Seal, Arkhangelsk, Russia, 2-6 September 2003, WP SEA 131: 8 pp.
- Nilssen, K.T., **Corkeron, P.J.**, and Haug, T. Status of the Norwegian grey seal, *Halichoerus grypus*, population. Paper SC/11/GS/8 presented to the NAMMCO Scientific Committee Working Group on Grey Seals April 2003.
- Corkeron, P.J.**, Nilssen, K.T. and Haug, T. 2003. Data requirements for estimating the abundance of Norwegian grey seals, *Halichoerus grypus*, using pup counts. Paper SC/11/GS/12 presented to the NAMMCO Scientific Committee Working Group on Grey Seals April 2003.
- Corkeron, P.J.** and Van Parijs, S.M. Pacific humpback dolphins, sound and management: a review. Paper SC/54/SM29 presented to the IWC Scientific Committee April/May 2002. 9pp.
- Parra, G., **Corkeron, P.J.** and Marsh, H. The Indo-Pacific Humpback dolphin, *Sousa chinensis* (Osbeck, 1765) in Australian waters: a summary of current knowledge and recommendations for their conservation. Paper SC/54/SM27 presented to the IWC Scientific Committee April/May 2002. 28pp.
- Haug T, Nilssen KT, **Corkeron P**, Lindblom L (2002) Diets of harp and hooded seals in drift ice waters along the east coast of Greenland. Working paper SC/10/16 to the NAMMCO Scientific Committee meeting, 17–19 September 2002, Reykjavik
- Corkeron, P.J.**, Haug, T., Haugen, R., and Nilssen, K.T. Modelling the abundance of grey seals, *Halichoerus grypus*, from pup counts. Working Paper 3 at the ICES Working Group on Marine Mammal Populations and Habitats (WGMPH) 2001.
- Nilssen, K.T., Haug, T., **Corkeron, P.**, and Lindblom, C. On the diet of grey seals *Halichoerus grypus* in Lofoten and Finnmark, North Norway. Working Paper 5 at the ICES WGMPH 2001
- Corkeron, P.J.** Whalewatching - management and research in Australia. Paper SC/50/WW5 presented to the IWC Scientific Committee April/May 1998.
- Scarpaci C., **Corkeron P.J.** and Nugegoda D. Minimal operator compliance to wild human-dolphin-swimming regulations in Port Phillip Bay, Victoria. Meeting of the Subcommittee on Whalewatching, Scientific Committee of the International Whaling Commission, Adelaide, 2000.
- Brown M.R., Buckland S.T., **Corkeron P.J.**, and Bryden M.M. Estimates of abundance of east Australian humpback whales from land-based surveys at Point Lookout, North Stradbroke Island 1980-1993. Paper SC/47/SH25 presented at the annual meeting of the International Whaling Commission, Dublin 1995.
- Brown M.R., **Corkeron P.J.**, Schultz K.W., Bryden M.M. and Hale P.T. Evidence for a sex-segregated migration in the humpback whale (*Megaptera novaeangliae*). Paper SC/46/SH22 presented at the annual meeting of the International Whaling Commission. Puerto Vallarta 1994.
- Bryden M.M., Brown M.R., and **Corkeron P.J.** Survey of humpback whales (*Megaptera novaeangliae*) off eastern Australia, 1991. Paper SC/45/SHBa19 presented at the annual meeting of the International Whaling Commission, Kyoto 1993.

Newsletter articles

- Corkeron P.J.** 2004. Cetacean conservation and “Ecosystem-based fisheries management”. *FINS: The newsletter of ACCOBAMS, the Agreement on the Conservation of Cetaceans of the Black Sea, Mediterranean Sea and Contiguous Atlantic Area*. 1(2):2-5
- Van Parijs, S.M. and **Corkeron P.J.** 2001. Boats, humpback dolphins, and the noises that they both make. *Marine Biological Association News* 26:3.
- Chilvers, B.L. and **Corkeron P.J.** 2000. Another unsuccessful attempt to suction-cup tag bottlenose dolphins. *Marine Mammal Society Newsletter*. June 2000.

Chapters in books and magazines for general readership

- Corkeron P.J.** accepted Bryde's whales in *Mammals of Australia*. 4th edition.
- Corkeron P.J.** 2011. Whales. in “*Wild Guide to Moreton Bay*”. Second edition. Queensland Museum, Brisbane
- Corkeron P.J.** 2011. Dolphins. in “*Wild Guide to Moreton Bay*”. Second edition. Queensland Museum, Brisbane
- Corkeron P.J.** 1998. Dolphins. pp 367-369 in “*Wild Guide to Moreton Bay*”. Queensland Museum, Brisbane.
- Corkeron P.J.** 1995. Dolphins. pp 317-318 in “*Wildlife of Greater Brisbane*”. Queensland Museum, Brisbane.

- Corkeron P.J.** 1990. Study of human/ whale interaction in Hervey Bay. *Sounds of Oceania*. Autumn 1990. 6.
- Corkeron P.J.** 1988. Ecology and distribution. pp 84-99 in Bryden M. M. and Harrison R. (eds). "*Whales, dolphins and porpoises*". Weldons Publishing, Sydney.
- Corkeron P.J.** 1988. Social Behaviour. pp 142-159 in Bryden M. M. and Harrison R. (eds). "*Whales, dolphins and porpoises*". Weldons Publishing, Sydney.
- Bryden M.M. and **Corkeron P.J.** 1988. Intelligence. pp 160-165 in Bryden M. M. and Harrison R. (eds). "*Whales, dolphins and porpoises*". Weldons Publishing, Sydney.
- Corkeron P.J.** 1988. The dolphins of Moreton Bay. *Underwater Magazine*. 23:38-39.
- Corkeron P.J.** 1985. Dolphins in the wild. *Wildlife in Australia*. 22(3):5-7

UNIVERSITY TEACHING

Graduate students

PhD

| | |
|-----------------|---|
| J van der Hoop: | 2013 – 2017 MIT/WHOI joint program USA |
| G. Parra: | 1998-2004 James Cook University, Australia |
| C. Scarpaci: | 1998-2004 RMIT University, Australia |
| B.L. Chilvers: | 1997-2001 James Cook University, Australia |
| S.R. Burnell: | 1992-1999 The University of Sydney, Australia |
| M.R. Brown: | 1991-1997 The University of Sydney, Australia |

MSc

| | |
|------------------|---|
| R Ciciarella | 2019 - U Mass Dartmouth USA |
| N. Jensen: | 2003-2005 Norwegian College of Fisheries Sciences, Norway |
| T-R. Touminen: | 2003-2005 Norwegian College of Fisheries Sciences, Norway |
| D. Zaroni: | 2002-2004 Norwegian College of Fisheries Sciences, Norway |
| D. Risch: | 2003-2004 Humboldt University, Germany |
| J. Lalime-Bauer: | 1997-2004 James Cook University Australia |

BSc Honors

| | |
|------------------|---|
| D. Curran: | 2000 James Cook University, Australia |
| J. Smith: | 2000 James Cook University, Australia |
| J. Foxlee: | 1999 James Cook University, Australia |
| A. Hodgson: | 1998 James Cook University, Australia |
| S. Allen 1996: | The University of Queensland, Australia |
| J. Harrap 1990: | The University of Queensland, Australia |
| S. Rodda 1990: | The University of Queensland, Australia |
| K. Schultz 1990: | The University of Queensland, Australia |

Undergraduate teaching

James Cook University, Australia, 1998-2000:

Course coordinator

Coastal Zone Management (upper level BSc &, MSc).

Managing marine wildlife (upper level BSc & MSc)

work placement program (upper level BSc & MSc);

Tutorial Coordinator

Introduction to Environmental Science (entry-level BSc)

Lecturer

Biology of Marine Megafauna (upper level BSc)

Tourism and the Environment (upper level BSc)

Australian Vertebrate Fauna (upper level BSc)

Marine Conservation Biology (upper level Bsc)

The University of Sydney, Australia:

Lecturer

Humanity and Animality, 1994 (BA)

Anatomy of non-domestic animals, 1992 (BVSc)

The University of Bergen, Norway, 2001

Biology and management of marine mammals (MSc)

Other University teaching

- Invited lecture on marine mammals and ecosystem functioning, undergraduate marine mammal biology course, Bridgewater State University, 2015, 2016.
- Invited lecture on marine mammal ecology to an undergraduate ecology course at Qatar University, Qatar (women's campus), 2008.
- Management of Traditional Hunting, part of the Introduction to Marine Park Management Training Program, Great Barrier Reef Marine Park Authority, 1997 - a mix of lecturing and conducting seminars (over two days) for staff employed by the Queensland Department of Environment.
- Course Convener, Whales and dolphins: biology, behaviour and research and Whales, dolphins and people, Centre for Continuing Education, The University of Sydney. 1994. (adult learning course)
- Course Controller, Dolphins in Moreton Bay, Continuing Education Unit, The University of Queensland, 1989, 1990 (adult learning course).

GRANTS and CONTRACTS

| | | |
|-------------|---|---------------------|
| 2016-2017 | Lead Investigator: NOAA Fisheries International Science Program: Caribbean Humpback Acoustic Monitoring Project. Multiple co-PIs from government agencies and NGOs throughout the Caribbean | \$34,000 (US) |
| 2015 | Lead Investigator: NOAA Fisheries Advanced Science and Technology Working Group grants: Developing a biocompatible large whale tracking tag. Multiple Co-PIs from NOAA, Michigan Technological University, Cascadia Research Collective, Woods Hole Oceanographic Institution, Alaska Sealife Center and the Center for Coastal Studies | \$47,000 (US) |
| 2014-2016 | Co-PI: Autonomous real-time passive acoustic monitoring of baleen whales for mitigating interactions with Naval activities. PI: Woods Hole Oceanographic Institution, co-PIs: NOAA, NAVFAC. | \$1,502,594 (US) |
| 2008 | WWF International: Report – Are whales eating too many fish, revisited | \$5760 (US) |
| 2007-2008 | Five Oceans Environmental Services: running the aerial survey component of the Qatar National Dugong Conservation Initiative | \$7700 (US) |
| 2000 - 2002 | Australian Research Council Strategic Partnerships with Industry. "Management of bottlenose dolphins, Port Stephens NSW: distribution, feeding ecology and impacts of ecotourism". Co-grantee with R. Harcourt, Macquarie University | \$63,240 (AUS) |
| 1998 - 2002 | Natural Heritage Trust. "Conservation of inshore dolphins in Australia's northern waters." | \$92,233 (AUS) |
| 1997 - 2002 | Center for Field Research / Earthwatch Institute. "Conservation biology of bottlenose dolphins, <i>Tursiops truncatus</i> , in south-east Queensland waters: a comparative study". | \$123,464 (AUS) |
| 1998 -1999 | Department of Defence. Minehunter Coastal Project. "Survey of Marine Mammals off Newcastle". | \$51,265 (AUS) |
| 1998 -1999 | Sea World Research and Rescue Foundation. "Can dugong sanctuaries protect dolphins?" | \$24,626 (AUS) |
| 1997 - 1998 | Australian Research Council Small Grants Scheme "Ecological factors influencing the social structure of bottlenose dolphins, <i>Tursiops truncatus</i> , a comparative study". | \$30,000 (AUS) |

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|-------------|---|-----------------|
| 1997 - 1999 | Sea World Research and Rescue Foundation. "Developing telemetry devices for use on Indo-Pacific humpback dolphins, <i>Sousa chinensis</i> , in Queensland waters." | \$12,000 (AUS) |
| 1997 | James Cook University Merit Research Grants Scheme. "Conservation biology of inshore tropical dolphins, <i>Sousa chinensis</i> and <i>Orcaella brevirostris</i> , in the waters of North Queensland." | \$18,000 (AUS) |
| 1996 | W.V. Scott Foundation. "Conservation biology of bottlenose dolphins, <i>Tursiops truncatus</i> , in south-east Queensland - a study using telemetry." | \$7,500 (AUS) |
| 1996 | Sea World Research and Rescue Foundation. "Conservation biology of bottlenose dolphins, <i>Tursiops truncatus</i> , in south-east Queensland - a study using telemetry." | \$15,144 (AUS) |
| 1995 | Ocean Park Conservation Foundation (Hong Kong). "Preliminary assessment of the cetacean fauna of the eastern Malaysian states of Sarawak and Sabah, and to Negara Brunei Darussalam." | \$2,500 (AUS) |
| 1994 | Broken Hill Proprietary Petroleum. "Telemetry of southern right whales off southern Australia". Co-grantee with M.M. Bryden | \$45,500 (AUS) |
| 1991 - 1994 | Broken Hill Proprietary Petroleum. "Behavioural study of southern right whales off the southern Australian coast". Co-grantee with M.M. Bryden | \$437,636 (AUS) |
| 1991 - 1992 | Sea World Research and Rescue Foundation. "The behaviour and ecology of pelagic delphinids in southeast Queensland waters". | \$76,500 (AUS) |
| 1990 | Australian Research Council. Small Grants Scheme. "Development and testing of biopsy systems for large and small cetaceans and dugongs - a pilot project": | \$10,171 (AUS) |
| 1989 | Tangalooma Island Resort Ltd. "Tangalooma dolphin research project". | \$20,000 (AUS) |
| 1988 | World Wildlife Fund Australia. "Studies of humpback whales in Hervey Bay". Co-grantee with M.M. Bryden | \$23,000 (AUS) |
| 1987 | Australian National Parks and Wildlife Service. "Survey of humpback whales in the waters around Murray (Maer) Island". | \$1,300 (AUS) |

RESEARCH EXPERIENCE

As Principal Investigator

| | |
|--------------|--|
| 2011- 2019: | Leader, large whale research program, NOAA NEFSC Woods Hole. |
| 2008: | Survey for a possible leatherback turtle nesting beach in far North Queensland |
| 1997 - 2000: | Dolphin behavior and ecology, SE Queensland (Earthwatch project). |
| 1998 - 2000: | Studies of inshore dolphins in north Queensland |
| 1998 - 1999: | Vessel-based surveys for cetaceans off New South Wales. |
| 1996 - 1997: | Radio and satellite telemetry studies of bottlenose dolphins |
| 1995: | Status of cetaceans in Sarawak and Sabah, and Negara Brunei Darussalam. |
| 1991 - 1994: | Studies of the behavior of right whales, southern Australia. |
| 1991 - 1993: | Aerial and land based surveys of humpback whales, SE Queensland. |
| 1992: | Behavioral and acoustic studies of dolphins off SE Queensland. |
| 1990 - 1992: | Molecular genetic and behavioral studies of humpback whales |
| 1988 - 1991: | Assessing the impact of whalewatching on humpback whales in Hervey Bay (aerial survey, photo- identification surveys, behavioral observations) |
| 1989 - 1990: | Studies of bottlenose dolphins in Moreton Bay, Queensland Australia |

1987: Surveys for humpback whales in Torres Strait

Other

Survey leader

2007/2008: Aerial survey leader Qatar National Dugong Conservation Initiative

1994-1995: Aerial surveys of marine wildlife in the Great Barrier Reef Region, Queensland.

1982: Land based surveys of humpback whales, SE Queensland

Researcher

2017: UAV-enabled photogrammetry and blow sampling of North Atlantic right whales, Cape Cod Bay

2010/2011: Cetacean surveys off Oman, including MARU deployment and retrieval

2005: Tagging humpback whales, Cape Cod Bay / Stellwagen Bank NMS

2002: Aerial surveys of harp seals, northern Barents Sea

2002: Killer whale conservation biology, northern Norway.

2002: Estimating abundance of harp seals, Greenland Sea.

2001: Harp and hooded seal ecology, Greenland Sea.

2000-2001: Grey seal surveys, northern Norway.

2000: Acoustics and behavior of bearded seals, Svalbard.

1997: Aerial surveys of marine wildlife in the Gulf of Carpentaria, Queensland.

1996: ORCAWALE cruise, USNMFS, west coast USA

1995- 996: IWC/IDCR Southern Hemisphere Minke Whale Sightings Cruise, Antarctic waters.

1987: Aerial surveys of marine wildlife in Torres Strait, Queensland.

1986-1987: Aerial and land based surveys of humpback whales, SE Queensland.

1982: Acoustic studies of humpback whales, New South Wales.

Research student (PhD project)

1984-1989: Behavioral ecology of dolphins in southeast Queensland.

PRESENTATIONS

Spoken papers

Invited speaker or workshop organizer

2019

Corkeron P Inference from comparing multiple right whale populations: lessons learned. Presented at the pre-conference workshop: *Roadmap for the right sentinel for climate change: developing an action plan to achieve the IWC-SORP southern right whale theme objectives*. World Marine Mammal Conference 2019. Barcelona, Catalonia, Spain.

2018

Corkeron PJ. The recovery of North Atlantic right whales, *Eubalaena glacialis*, has been constrained by human-caused mortality. Presented at the *North Atlantic right whale Consortium* meeting New Bedford MA

2017

Presenter, Life on the Edge: Status and Conservation concerns for the North Atlantic right whale. Conservation highlight series, *22nd Biennial Conference on the Biology of Marine Mammals*, Halifax, Nova Scotia, Canada.

Corkeron PJ. North Atlantic right whales: Species decline and life expectancy. Presented at the *North Atlantic right whale Consortium* meeting, St Mary's University, Halifax, Nova Scotia, Canada.

Corkeron PJ, Pace RM and Cole TVN. NMFS Right Whale Research: An overview of NEFSC research activities and concerns relating to the status and trends of right whales. *2107 Annual Meeting of the (US) Marine Mammal Commission*. Falmouth MA USA.

2015

Corkeron PJ. NMFS right whale status and NEFSC research activities. *2105 Annual Meeting of the (US) Marine Mammal Commission*. Charleston NC USA.

Corkeron PJ, Clapham P and Connor RC. Baleen whale migration, revisited. Organizers, workshop preceding the *21st Biennial Conference on the Biology of Marine Mammals*, San Francisco, USA.

Corkeron PJ and Kizka, J. Ecological roles and importance of marine mammals in aquatic ecosystems.

Organizers, workshop preceding the *21st Biennial Conference on the Biology of Marine Mammals*, San

Francisco, USA.

Corkeron P.J. Marine mammals and ecosystem function: what can recovering seal populations teach us? Keynote presentation at the *meeting of the North Atlantic Seal Research Consortium*. Salem MA USA.

2012

Corkeron P.J. Science for right whale conservation: an outsider's view. Seminar presented at the Biology Department of the Woods Hole Oceanographic Institution, Woods Hole MA USA.

2009

Corkeron, P.J. Impact of hydrocarbon extraction processes and associated industrialization on dugongs. Paper presented at the *Workshop on the Conservation and Management of dugongs in Mozambique*, Maputo, Mozambique.

Corkeron, P.J. Seals, models, and ecosystem-based fishery management: the big picture. Paper presented at the workshop "*Gulf of Maine Seals — populations, problems and priorities*", Wood Hole Oceanographic Institute, Woods Hole, USA

Corkeron, P.J. Whales and fish in the North Atlantic and Barents Sea: an overview. Paper presented at the *Ocean Life Symposium*, Roseau, Dominica.

2008

Corkeron, P.J. When marine mammals did not affect fisheries. Paper presented at the workshop "*Whales and Fisheries Interactions: Are the Great Whales a Threat to Fisheries*" at the IUCN World Conservation Congress Barcelona, Spain

2006

Corkeron, P.J. Can fisheries problems be solved by culling marine mammals? Paper presented at *Marine Nature Conservation in Europe 2006*. German Oceanographic Museum, Stralsund, Germany.

2005

Corkeron, P.J. Issues in Ethics: some things to consider as we find our ethical identity. Paper presented at the workshop "*Ethics in Marine Mammal Research*", preceding the *16th Biennial Conference on the Biology of Marine Mammals*, San Diego, USA.

Corkeron, P.J., and Porter L.J. A Workshop Introduction and workshop co-chairs, "*The Conservation of Lesser Known Tropical Marine Delphinids*", preceding the *16th Biennial Conference on the Biology of Marine Mammals*, San Diego, USA.

2004

Corkeron, P.J. Using science to inform whalewatching management: the past, present and thoughts for the future. Paper presented at the workshop on *Science for Sustainable Whale Watching*, Cape Town, South Africa.

2003

Corkeron, P.J. Biological pollutants: introduced mammals and terrestrial ecosystems in Australia. Invited paper presented at the workshop: "*General knowledge on alien species – an applicable basis in studying the introduced species Red King Crab in the Barents Sea*". Tromsø, Norway.

Corkeron, P.J. Gut samples: what do they tell us? Invited paper presented at the "*Workshop on spatial ecology*". Tromsø, Norway.

Corkeron, P.J. Back to basics: The conversation between field biologists and modelers. Invited paper presented at a discussion forum, following the "*Workshop on spatial ecology*". Tromsø, Norway.

Corkeron, P.J. Ethics and environmental impacts of research involving marine mammals: some brief (and biased) thoughts. "Ethics in marine mammal research" workshop preceding the *15th Biennial Conference on the Biology of Marine Mammals*. Greensboro, USA.

2001

Corkeron P.J., and Chilvers B.L. Junk food culture: dolphins, trawlers and the choices we all make. "*Culture in marine mammals*" workshop preceding the *14th Biennial Conference on the Biology of Marine Mammals*, Vancouver, Canada.

1998

Corkeron P.J. and Bryden M.M. Behavioural responses of humpback whales, *Megapteranovaeangliae*, to whale watching vessels – a review. *ANZECC Humpback Whale Research and Conservation Seminar*, Brisbane Australia.

Corkeron P.J. and Connor R.C. Predation: a neglected hypothesis for baleen whale migrations? *Symposium on*

baleen whale migration at the World Marine Mammal Science Congress, Monaco.

Corkeron P.J. Whalewatching - management and research in Australia. *Workshop on whalewatching, World Marine Mammal Science Congress, Monaco.*

Other

2019

Corkeron P. Are there fewer North Atlantic right whales than we think? Presented at the *North Atlantic right whale Consortium* meeting, Portland ME USA

Crowe L, Brown M, **Corkeron P**, Hamilton P, Ramp C, Ratelle S, Vanderlaan A, Cole T. In plane sight: A capture-recapture study of North Atlantic right whales in the southern Gulf of St. Lawrence from an aerial platform. *World Marine Mammal Conference 2019*. Barcelona, Catalonia, Spain.

Moore MJ, Lonati G, Miller C, Zitterbart D, **Corkeron P**. Thermal infrared detection of peri-callosity heat loss, core temperature and subsurface movement in surfacing and skim feeding north Atlantic right whales. *World Marine Mammal Conference 2019*. Barcelona, Catalonia, Spain.

Smith A, Mooney A, Kaplan M, Lammers M, Moore MJ, Parks SE, **Corkeron P** Particle motion in vocalizations of the endangered North Atlantic right whale (*Eubalaena glacialis*) and humpback whale (*Megaptera novaeangliae*): Implications for communication and anthropogenic noise impacts. *World Marine Mammal Conference 2019*. Barcelona, Catalonia, Spain.

2017

Cholewiak D, Izzi A Palka D, **Corkeron P** Van Parijs S.729: Beaked whales demonstrate a marked acoustic response to the use of shipboard echosounders. *22nd Biennial Conference on the Biology of Marine Mammals*, Halifax, Nova Scotia, Canada.

Cole T, **Corkeron P**, Gurnee J, Stokes A, Van Parijs S, Verlinden C and Baumgartner M. Mitigation strategies for protecting North Atlantic right whales off southern New England, USA, using near real time acoustic monitoring. *22nd Biennial Conference on the Biology of Marine Mammals*, Halifax, Nova Scotia, Canada.

Gurnee J, Baumgartner M, Cole T, **Corkeron P**, Van Parijs S. An evaluation of the efficacy of near real time acoustic detection of baleen whales using a moored buoy and ocean gliders. *22nd Biennial Conference on the Biology of Marine Mammals*, Halifax, Nova Scotia, Canada.

Virgili A. & 30 coauthors. Large scale distribution of deep-diving cetaceans in the North Atlantic Ocean and the Mediterranean Sea. *22nd Biennial Conference on the Biology of Marine Mammals*, Halifax, Nova Scotia, Canada.

2016

Corkeron PJ and Pace RM. Female North Atlantic right whales have shorter lives than males: so what, and why? Presented at the *North Atlantic right whale Consortium* meeting, New Bedford, USA.

Gurnee J, Baumgartner M, Cole T, **Corkeron P**, Van Parijs S. Comparison of Real Time vs. Archival Acoustic Detection of North Atlantic Right Whales for a Moored Buoy System. Presented at the *North Atlantic right whale Consortium* meeting, New Bedford, USA.

2015

Izzi A, Cholewiak D, **Corkeron P** and Van Parijs S. Understanding the effects of echosounders on detection rates of beaked whales from shipboard surveys. *Watkins Memorial Marine Mammal Bioacoustics Symposium* New Bedford USA.

2014

Cholewiak, D., Brady, S. **Corkeron P**, **Davis, G** and Van Parijs S. Toward acoustically derived population estimates in marine conservation: An application of the spatially-explicit capture-recapture methodology for North Atlantic right whales. *Fall 2014 Meeting of the Acoustical Society of America*. Indianapolis Indiana USA

2013

Rolland R, Pettis H, Hamilton P, Schick R, **Corkeron P**, and Kraus S. Linking individual whale health with population biology and conservation. *International Association of Aquatic Animal Veterinarians Meeting* Sausalito California USA

2012

Corkeron P, Rolland, R, Hunt K and Kraus S. Metabolites of hormones from feces reliably discriminate between

reproductive classes of free-ranging North Atlantic right whales. *North Atlantic Right Whale Consortium meeting* New Bedford Massachusetts USA.

2011

Corkeron P, Rolland, R, Hunt K and Kraus S. PooTrees: a powerful new tool for assessing stress in free-ranging whales. *19th Biennial Conference on the Biology of Marine Mammals. The Society for Marine Mammalogy*. Tampa, Florida, USA.

Risch, D., Corkeron, P. J., Ellison, W. T., Siebert, U., Van Parijs, S.M. 2011 'Changes in humpback whale song occurrence in response to OAWRS pulses over 200km away. *19th Biennial Conference on the Biology of Marine Mammals. The Society for Marine Mammalogy*. Tampa, Florida, USA.

Rolland, RM; Parks,SE; Hunt, KE; Castellote, M; **Corkeron, P**; Wasser, SK; Kraus, SD. (2011) Evidence that Ship Noise Causes Chronic Stress in Right Whales. *19th Biennial conference on the Biology of Marine Mammals*, Tampa, Florida, USA.

Schick R, Kraus S, Rolland R, Hamilton,P, **Corkeron P**, Clark C and Clark J. Potential effects of acoustic disturbance on foraging behavior, body condition, and demography in North Atlantic right whales. *96th annual meeting of the Ecological Society of America*, Austin Texas USA.

2007

Van Opzeeland I. C., Corkeron, P. J., **Risch D.**, Stenson, G. and **Van Parijs, S. M.**2007. 'Geographic variation in harp seal, *Phoca groenlandica*, pup vocalisations and behaviour between whelping patches in the Atlantic West-ice and the Canadian Front.' *17th Biennial Conference on the Biology of Marine Mammals. The Society for Marine Mammalogy*. Cape Town, South Africa.

2005

Corkeron, P.J. Marine mammals and "Ecosystem-based fishery management" - the next big conservation challenge? Paper presented at the *16th Biennial Conference on the Biology of Marine Mammals*, San Diego, USA.

Parra, G.J., Corkeron. P.J. and Arnold, P. Two societies, one habitat: to what extent does phylogeny influence dolphins' social structure? Paper presented at the *16th Biennial Conference on the Biology of Marine Mammals*, San Diego, USA.

Parra, G.J., and Corkeron, P.J. Australian snubfin and Indo-Pacific humpback dolphins: four years of research, two species potentially under threat.... where do we go next? Paper presented at the workshop "*The Conservation of Lesser Known Tropical Marine Delphinids*", preceding the *16th Biennial Conference on the Biology of Marine Mammals*, San Diego, USA.

2004

A Birtles, A., Arnold P., Curnock M., **Corkeron P.J.**, Dobbs K., Valentine P. and Dunstan A. Scientific basis for whale and dolphin management in Australia: a review of the national management regime and case studies from Hervey Bay and the Great Barrier Reef. Paper presented at the workshop on *Science for Sustainable Whale Watching*, Cape Town, South Africa.

A Birtles, A., Arnold P., Curnock M., **Corkeron P.J.**, Dobbs K., Valentine P. and Dunstan A. Evaluating effectiveness of management frameworks: case studies from Hervey Bay, Queensland and the northern Great Barrier Reef. Paper presented at the workshop on *Science for Sustainable Whale Watching*, Cape Town, South Africa.

2003

Corkeron, P.J Scientific input to marine ecosystem management: an example from the Norwegian coast. *15th Biennial Conference on the Biology of Marine Mammals*. Greensboro, USA.

Scarpaci, C., Nugegoda D., and **Corkeron, P.J.** Monitoring Compliance with regulations by "swim-with-dolphins" operations in Port Phillip Bay, Victoria, Australia: Any improvement? *15th Biennial Conference on the Biology of Marine Mammals*. Greensboro, USA.

Scarpaci, C., Nugegoda D., and **Corkeron, P.J.** Management strategies to reduce impacts of the dolphin-swim tourist industry in Port Phillip Bay, Victoria, Australia. "*Viewing Marine Mammals in the Wild: Emerging Issues, Research and Management Needs*" workshop preceding the *15th Biennial Conference on the Biology of Marine Mammals*. Greensboro, USA.

Smith J and **Corkeron P** Assessing the potential for using Pacific humpback dolphin vocalisations to estimate relative abundance. *Marine Biocomplexity: The 2003 Annual Conference of the Australian Marine Sciences Association*, University of Queensland, Brisbane, Queensland.

2001

Scarpaci, C., Corkeron, P.J. and Nugegoda D. Compliance with regulations by "swim-with-dolphins" operations in Port Phillip Bay, Victoria, Australia. "Viewing Marine Mammals in the Wild: A Workshop to Discuss Responsible Guidelines and Regulations for Minimizing Disturbance" preceding the 14th Biennial Conference on the Biology of Marine Mammals, Vancouver, Canada.

Lukoschek, V., Chilvers, B.L. and Corkeron P.J. Comparison of the use of line transect surveys and mark-recapture methods to determine the distribution and abundance of bottlenose dolphins (*Tursiops aduncus*) in Moreton Bay, southern Queensland. *Southern Hemisphere Marine Mammal Conference*. Victoria, Australia.

Parra G.J., Azuma C., Preen A.R., Corkeron P.J, and Marsh H. Distribution and status of Irrawaddy dolphins, *Orcaella brevirostris*, in Australian waters. *Southern Hemisphere Marine Mammal Conference*. Victoria, Australia.

Scarpaci, C.; Corkeron P.J. and Nugegoda, D. Monitoring whistles produced by bottlenose dolphins (*Tursiops truncatus*) during approaches by commercial dolphin-swim charters: A new perspective to managing cetacean based eco-tourism. *Southern Hemisphere Marine Mammal Conference*, Victoria, Australia.

1999

Corkeron P.J., Chilvers B.L. and Martin A.R. Tagging bottlenose dolphins off south-east Queensland. *Small Cetacean Tagging Meeting at the 13th Biennial Conference on the Biology of Marine Mammals* Maui, USA.

Valsecchi E., Corkeron P.J., Hale P. and Amos W. When genes speak: social structure and sex-specific behaviour in migrating humpback whales. *13th Biennial Conference on the Biology of Marine Mammals* Maui, USA.

1997

Corkeron P.J. Beyond bean counting and photo-ID: behavioural research and cetacean conservation. *Society for Conservation Biology*, Victoria, British Columbia, Canada.

Corkeron P.J. and Martin A.R. Movements off offshore-form bottlenose dolphins off south-east Queensland revealed by satellite telemetry. *43rd Scientific Meeting of the Australian Mammal Society*, Clare, Australia.

1995

Corkeron P.J. and Marsh H. Spatial distribution of humpback dolphins, *Sousa* sp., in eastern Queensland waters. *41st Scientific Meeting of the Australian Mammal Society*, Townsville, Australia.

Corkeron P.J. Bottlenose dolphins (*Tursiops truncatus*) in southeast Queensland - social structure and human impacts. *Marine Mammal Symposium of the Australian Mammal Society*, Hobart, Australia.

Corkeron P.J. and Brown M.R. Using aerial surveys to assess the impact of commercial whalewatching in Hervey Bay. *Marine Mammal Symposium of the Australian Mammal Society*, Hobart, Australia.

Schultz K.W., Cato D.H., Corkeron P.J. and Bryden M.M. A new sound type: Low frequency (<2kHz) narrowband sounds produced by bottlenose dolphins. *International Conference on Underwater Acoustics*, Sydney Australia.

Schultz K.W., Cato D.H. and Corkeron P.J. Signature whistles of an Indo-Pacific humpback dolphin (*Sousa chinensis*) neonate. *Marine Mammal Symposium of the Australian Mammal Society*, Hobart, Australia.

Lea M.A. and Corkeron P.J. Behavioural ontogeny of New Zealand fur seal pups, *Arctocephalus forsteri*. *Marine Mammal Symposium of the Australian Mammal Society*, Hobart, Australia.

1993

Brown M.R., Corkeron P.J., Hale P.T. and Bryden M.M. Sex composition and size of migrating humpback whale (*Megaptera novaeangliae*) pods. *10th Biennial Conference on the Biology of Marine Mammals*, Galveston USA.

1991

Corkeron P.J. Distribution, abundance and behaviour of humpback whales in Hervey Bay. *9th Biennial Conference on the Biology of Marine Mammals*, Chicago, USA

Baker C.S., Slade R., Bannister J., Burton C., Palumbi S. and Corkeron P.J. Segregation of mitochondrial DNA haplotypes in humpback whales migrating along the east and west coasts of Australia. *Conservation biology in Australia and Oceania*. Brisbane, Australia.

Corkeron P.J. Effects of whalewatching on the behaviour of humpback whales. *18th Conference of the*

Australasian Society for the Study of Animal Behaviour, Armidale Australia.

Corkeron P.J., Bryden M.M. and Slade R.W. Humpback whale behaviour in Hervey Bay, Queensland. 37th *Scientific Meeting of the Australian Mammal Society*, Armidale Australia.

Brieze I. **Corkeron P.J.** and Kikkawa J. Behaviour of the bottlenose dolphin *Tursiops truncatus* with special reference to male groups. 37th *scientific meeting of the Australian Mammal Society*, Armidale, Australia.

Harrap J.M., **Corkeron P.J.** and Kikkawa J. The distribution and relative abundance of inshore dolphins in Moreton Bay. 37th *Scientific Meeting of the Australian Mammal Society*, Armidale, Australia.

Rodda S., Bedford G., Hall L. S. and **Corkeron P.J.** Food selection in free-ranging and captive dolphins. 37th *Scientific Meeting of the Australian Mammal Society*, Armidale, Australia.

Schultz K.W., **Corkeron P.J.** and Kikkawa J. The acoustic behaviour of inshore dolphins in Moreton Bay, Queensland. 37th *Scientific Meeting of the Australian Mammal Society*, Armidale, Australia.

1988

Corkeron P.J. Association patterns of bottlenose dolphins. *Annual Meeting of the Australian Marine Sciences Association (S.E. Queensland Branch)*. Brisbane, Australia.

1987

Corkeron P.J. Ranging patterns of bottlenose dolphins in Moreton Bay, Queensland. *Marine Mammal Symposium of the Royal Zoological Society of NSW*. Sydney, Australia.

1986

Corkeron P.J. The behavioural ecology of bottlenose dolphins. *Annual Meeting of the Australian Marine Sciences Association (S.E. Queensland Branch)*. Brisbane, Australia.

Corkeron P.J. Changes of natural marks of bottlenose dolphins *Tursiops* sp. 33rd *Scientific Meeting of the of the Australian Mammal Society*. Adelaide, Australia.

1984

Corkeron P.J. Studies of inshore dolphins *Tursiops* and *Sousa* off North Stradbroke Island. *Annual Meeting of the Australian Marine Sciences Association (S.E. Queensland Branch)*. Brisbane, Australia.

Poster papers: over 80

OUTREACH

Invited lectures to community groups include:

The New England Whale Watch Naturalist Workshop, Provincetown MA USA; New England Norton Owners club, Falmouth MA USA; Den Norske Bank, Tromsø, Norway; The Sabah Society, Kota Kinabalu, Sabah, Malaysia; The Queensland Museum, Qld Australia; The Australian Whale Conservation Society; The Australian Littoral Society; The Queensland Naturalists' Club; The Wildlife Preservation Society of Queensland.

LANGUAGES

French - spoken: Intermediate; written: Novice; reading: Intermediate

Norwegian - spoken: Novice; written: Novice; reading: Novice

Melanesian Pidgin - spoken: Intermediate; written: Novice; reading: Intermediate