

## Publications for Catherine Herbert

### 2018

Cope, H., Hogg, C., White, P., Herbert, C. (2018). A role for selective contraception of individuals in conservation. *Conservation Biology*, 32(3), 546-558. <a href="http://dx.doi.org/10.1111/cobi.13042">[More Information]</a>

Cope, H., Hogg, C., Fagg, K., Barnard, O., White, P., Herbert, C. (2018). Effects of deslorelin implants on reproduction and feeding behavior in Tasmanian devils (*Sarcophilus harrisii*) housed in free-range enclosures. *Theriogenology*, 107, 134-141. <a href="http://dx.doi.org/10.1016/j.theriogenology.2017.10.047">[More Information]</a>

### 2017

Eldridge, M., Miller, E., Neaves, L., Zenger, K., Herbert, C. (2017). Extensive genetic differentiation detected within a model marsupial, the tammar wallaby (*Notamacropus eugenii*). *PLoS One*, 12(3), 1-23. <a href="http://dx.doi.org/10.1371/journal.pone.0172777">[More Information]</a>

Neaves, L., Roberts, M., Herbert, C., Eldridge, M. (2017). Limited sex bias in the fine-scale spatial genetic structure of the eastern grey kangaroo and its relationship to habitat. *Australian Journal of Zoology*, 65(1), 33-44. <a href="http://dx.doi.org/10.1071/ZO16051">[More Information]</a>

### 2016

Hendry, G., White, P., Herbert, C. (2016). Providing exemplar-based 'feedforward' before an assessment: The role of teacher explanation. *Active Learning in Higher Education*, 17(2), 99-109. <a href="http://dx.doi.org/10.1177/1469787416637479">[More Information]</a>

### 2015

Miller, E., Eldridge, M., Morris, K., Thomas, N., Herbert, C. (2015). Captive management and the maintenance of genetic diversity in a vulnerable marsupial, the greater bilby. *Australian Mammalogy*, 37(2), 170-181. <a href="http://dx.doi.org/10.1071/AM14009">[More Information]</a>

Machovsky-Capuska, G., Jones, P., Pye, M., Leong, P., Dassis, M., McEwan, A., Raubenheimer, D., Shannon, L., Herbert, C. (2015). Smart collars reveal food selection in Eastern Grey Kangaroos. *34th International Ethological Conference*, Australia.

### 2013

Eymann, J., Cooper, D., Herbert, C. (2013). Brushtail possums (*Trichosurus vulpecula*) in metropolitan Sydney: population biology and response to Suprelorin contraceptive implants. *Australian Journal of Zoology*, 61, 78-86. <a href="http://dx.doi.org/10.1071/ZO13019">[More Information]</a>

Herbert, C., Eckery, D., Trigg, T., Cooper, D. (2013). Chronic treatment of female tammar wallabies with deslorelin implants during pouch life: Effects on reproductive maturation.

*Reproduction, Fertility and Development*, 25(6), 879-889. <a href="http://dx.doi.org/10.1071/RD12087">[More Information]</a>

Herbert, C., Belov, K. (2013). Desmond Wishart Cooper: A life in science. *Australian Journal of Zoology*, 61(1), 1-3. <a href="http://dx.doi.org/10.1071/ZO13039">[More Information]</a>

Russell, T., Herbert, C., Kohen, J., Cooper, D. (2013). The incidence of road-killed possums in the Ku-ring-gai area of Sydney. *Australian Journal of Zoology*, 61, 87-94. <a href="http://dx.doi.org/10.1071/ZO12118">[More Information]</a>

Herbert, C. (2013). The intersection of reproductive and genetic approaches to marsupial population management: Why is it important for conservation. *Genetics Society of AustralAsia Inc Annual Conference Sydney - Genetics in the Harbour City*, Sydney: Genetics Society of AustralAsia, Inc.

Deakin, J., Cooper, D., Sinclair, J., Herbert, C., Renfree, M., Wakefield, M. (2013). Towards an understanding of the genetic basis behind 1080 (sodium fluoroacetate) tolerance and an investigation of the candidate gene ACO2. *Australian Journal of Zoology*, 61(1), 69-77. <a href="http://dx.doi.org/10.1071/ZO12108">[More Information]</a>

Drews, B., Roellig, K., Menzies, B., Shaw, G., Buentjen, I., Herbert, C., Hildebrandt, T., Renfree, M. (2013). Ultrasonography of wallaby prenatal development shows that the climb to the pouch begins in utero. *Scientific Reports*, 3, 1-8. <a href="http://dx.doi.org/10.1038/srep01458">[More Information]</a>

### 2012

Phillips, C., Higgins, D., Herbert, C., Spielman, D. (2012). Investigating the efficacy of "5 in 1" vaccines in macropods. *Australian Wildlife Rehabilitation Conference*, N/A: N/A.

### 2011

Russell, T., Neaves, L., Herbert, C. (2011). Allocating sex in road-killed possums using PCR. *Australian Mammalogy*, 33(1), 1-4. <a href="http://dx.doi.org/10.1071/AM09028">[More Information]</a>

Miller, E., Eldridge, M., Morris, K., Zenger, K., Herbert, C. (2011). Genetic consequences of isolation: island tammar wallaby (*Macropus eugenii*) populations and the conservation of threatened species. *Conservation Genetics*, 12(6), 1619-1631. <a href="http://dx.doi.org/10.1007/s10592-011-0265-2">[More Information]</a>

Russell, T., Bowman, B., Herbert, C., Kohen, J. (2011). Suburban attitudes towards the common brushtail possum *Trichosurus vulpecula* and the common ringtail possum *Pseudocheirus peregrinus* in the northern suburbs of Sydney. *Australian Zoologist*, 35(3), 888-894. <a href="http://dx.doi.org/10.7882/AZ.2011.043">[More Information]</a>

### 2010

Herbert, C., Renfree, M., Coulson, G., Shaw, G., Trigg, T., Cooper, D. (2010). Advances in fertility control technologies

for managing overabundant macropodid populations. In Graeme Coulson, Mark Eldridge (Eds.), *Macropods: The Biology of Kangaroos, Wallabies & Rat-kangaroos*, (pp. 313-324). Victoria, Australia: CSIRO Publishing.

Miller, E., Herbert, C. (2010). Breeding and Genetic Management of Captive Marsupial Populations. In Janine E. Deakin, Paul D. Waters and Jennifer A. Marshall Graves (Eds.), *Marsupial Genetics and Genomics*, (pp. 5-32). Australia: Springer Science+Business Media. <a href="http://dx.doi.org/10.1007/978-90-481-9023-2\_1">[More Information]</a>

Roberts, M., Neaves, L., Claassens, R., Herbert, C. (2010). Darting eastern grey kangaroos: a protocol for free-ranging populations. In Graeme Coulson, Mark Eldridge (Eds.), *Macropods: The Biology of Kangaroos, Wallabies & Rat-kangaroos*, (pp. 325-339). Victoria, Australia: CSIRO Publishing.

Miller, E., Eldridge, M., Herbert, C. (2010). Dominance and paternity in the tammar wallaby. In Graeme Coulson, Mark Eldridge (Eds.), *Macropods: The Biology of Kangaroos, Wallabies & Rat-kangaroos*, (pp. 77-86). Victoria, Australia: CSIRO Publishing.

Miller, E., Eldridge, M., Cooper, D., Herbert, C. (2010). Dominance, body size and internal relatedness influence male reproductive success in eastern grey kangaroos (*Macropus giganteus*). *Reproduction, Fertility and Development*, 22(3), 539-549. <a href="http://dx.doi.org/10.1071/RD09061">[More Information]</a>

Miller, E., Eldridge, M., Thomas, N., Marlow, N., Herbert, C. (2010). The genetic mating system, male reproductive success and lack of selection on male traits in the greater bilby. *Australian Journal of Zoology*, 58(2), 113-120. <a href="http://dx.doi.org/10.1071/ZO09092">[More Information]</a>

## 2009

Russell, T., Herbert, C., Kohen, J. (2009). High possum mortality on urban roads: implications for the population viability of the common brushtail and the common ringtail possum. *Australian Journal of Zoology*, 57(6), 391-397. <a href="http://dx.doi.org/10.1071/ZO09079">[More Information]</a>

Cristescu, R., Cahill, V., Sherwin, W., Handasyde, K., Carolyn, K., Whisson, D., Herbert, C., Carlsson, B., Wilton, A., Cooper, D. (2009). Inbreeding and Testicular Abnormalities in a Bottlenecked Population of Koalas (*Phascolarctos cinereus*). *Wildlife Research*, 36(4), 299-308. <a href="http://dx.doi.org/10.1071/WR08010">[More Information]</a>

Cheng, Y., Wakefield, M., Siddle, H., Coggill, P., Herbert, C., Beck, S., Belov, K., Eldridge, M. (2009). Isolation and characterization of 10 MHC Class I-associated microsatellite loci in tammar wallaby (*macropus eugenii*). *Molecular Ecology Resources*, 9(1), 346-349. <a href="http://dx.doi.org/10.1111/j.1755-0998.2008.02401.x">[More Information]</a>

## 2007

Herbert, C., Eckery, D., Trigg, T., Cooper, D. (2007). Chronic Treatment of Male Tammar Wallabies with Deslorelin Implants During Pouch Life: Effects on Development, Puberty, and Reproduction in Adulthood. *Biology Of Reproduction*, 76(6), 1054-1061. <a href="http://dx.doi.org/10.1095/biolreprod.107.059915">[More Information]</a>

Eymann, J., Herbert, C., Thomson, B., Trigg, T., Cooper, D., Eckery, D. (2007). Effects of Deslorelin Implants on Reproduction in the Common Brushtail Possum (*Trichosurus vulpecula*). *Reproduction, Fertility and Development*, 19(8), 899-909. <a href="http://dx.doi.org/10.1071/RD07046">[More Information]</a>

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Eymann, J., Neaves, L., Eldridge, M., Cooper, D., Herbert, C. (2007). Surprise in the pouch - a case of adoption in the brushtail possum (*Trichosurus vulpecula*). *Australian Mammalogy*, 29(1), 63-68.

Herbert, C., Eckery, D., Trigg, T., Cooper, D. (2007). Treatment of Male Tammar Wallabies with Deslorelin Implants during Pouch Life: Effects on development, puberty and reproduction in adulthood. *Biology Of Reproduction*, 76, 1054-1061. <a href="http://dx.doi.org/10.1095/biolreprod.107.059915">[More Information]</a>

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Herbert, C., Trigg, T., Cooper, D. (2006). Fertility control in female eastern grey kangaroos using the GnRH agonist deslorelin. 1. Effects on reproduction. *Wildlife Research*, 33(1), 41-46. <a href="http://dx.doi.org/10.1071/WR04113">[More Information]</a>

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Herbert, C. (2006). Koalas and Kangaroos: Managing Australia's charismatic icons on the world's stage. *Twenty-Second Vertebrate Pest Control Conference*, US: University of Nebraska at Lincoln.

Eymann, J., Herbert, C., Cooper, D. (2006). Management issues of urban brushtail possums *Trichosurus vulpecula* - a loved or hated neighbour. *Australian Mammalogy*, 28, 153-171.

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