

AUSTRALIAN REGISTRY OF WILDLIFE HEALTH: PUBLICATIONS

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Books

Rose, K. (2005, 2007, 2021). Wildlife Health Investigation Manual. Taronga Conservation Society Australia, Sydney. Pp 214.

Rose, K., Uhart, M., Lubroth, J., Newman S. (2006). Wild Bird Highly Pathogenic Avian Influenza Surveillance. Sample collection from healthy, sick and dead birds. In: United Nations Food and Agriculture Organisation Animal Production and Health Manual #4. Food and Agriculture Organisation, Rome.

Book Chapters

Jakob-Hoff, R., Ruming, S., Lees, C., McGilvray, G., Giese, M., McFadden, M., Skidmore, A., **Rose, K.**, Spencer, R., Chessman, B. (2024). River turtle conservation, Australia: Conservation management planning for a critically endangered species. In: Cork, S. C., & Whiteside, D. P. (Eds.). Case Studies in Ecohealth: Examining the Interaction between Animals and their Environment. United Kingdom: 5m Books Ltd.

Higgins, D.P., **Rose, K.**, Spratt, D. (2018). Monotremes and Marsupials. In: Terio KA, Mcaloose D, Leger J (eds) Pathology of wildlife and zoo animals. Academic Press, New York.

Rose, K. (2008). Wildlife health investigation and a guide to necropsy. In Vogelnest, L., Woods, R. (eds). Medicine of Australian Mammals. CSIRO Publishing, Melbourne. Pp. 55-76.

Rose, K. (2004). Post mortem examination of oiled birds. In Walraven, E. (ed). Field Manual: Rescue and Rehabilitation of Oiled Birds. Zoological Parks Board of NSW, Sydney.

Rose, K.A., Rieger, D. (1998) Comparative Metabolism of Fowl (*Gallus domesticus*), Turkey (*Meleagris gallopova*), and Silver Pheasant (*Lophura nycthemera*) Sperm. In: Lauria A., Gandofi F., Enne G., Gianaroli L. (eds). Gametes: Development and Function. Serono Symposium, Rome, Italy. Pp. 287-302.

Journal Articles

Buhler, K, Schwantje, H, Harms, N.J, **Fenton, H,** Aguilar X.F, Kutz, S, Leclerc, L-M, Blake, J, and Jenkins, E. (2024) Caribou and climate sensitive diseases: widespread exposure of *Rangifer* to *Francisella tularensis* in North America. Polar Research 43, 9288, <http://dx.doi.org/10.33265/polar.v43.9288>

Weyna AAW., Andreasen VA., Burrell CE., Kunkel MR., Radisic R., Goodwin CC., **Fenton H.**, Dugovich BS., Poulson RL., Ruder MG., Yabsley MJ., Sanchez S., Nemeth NM. (2024) Causes of morbidity and mortality in wild cottontail rabbits in the eastern United States, 2013-2022. J Vet Diagn Invest. Jun 10:10406387241259000. <https://doi.org/10.1177/10406387241259000>

Jones, H., **Fenton HMA.**, Elsmo EJ., Nemeth NM., Garrett KB., Cleveland CA., Yabsley MJ. (2024) Case report: Disseminated larval trematodiasis caused by *Clinostomum marginatum* in a green tree frog (*Hyla cinerea*). Vet Parasitol Reg Stud Reports. 2024; 52:101051. <https://doi:10.1016/j.vprsr.2024.101051>

Rowley, J.J.L., Symons, A., Doyle, C., **Hall, J., Rose, K.**, Stapp, L., Lettoof, D.C. (2024). "Broad-scale pesticide screening finds anticoagulant rodenticide and legacy pesticides in Australian frogs." *Sci Total Environ.* 16:172526. <https://doi.org/10.1016/j.scitotenv.2024.172526>

Palmer, N., Reichelt-Brushett, A., **Hall, J.**, Cagnazzi, D., **Rose, K.**, March, D. (2024) Contaminant assessment of stranded and deceased beaked whales (Ziphiidae) on the New South Wales coast of Australia, *Marine Pollution Bulletin*, 204, 116520. <https://doi.org/10.1016/j.marpolbul.2024.116520>.

Hartley, G. A., Frankenberg, S. R., Robinson, N. M., MacDonald, A. J., Hamede, R. K., Burridge, C. P., Jones, M. E., Faulkner, T., Shute, H., **Rose, K.**, Brewster, R., O'Neill, R. J., Renfree, M. B., Pask, A. J., & Feigin, C. Y. (2024). Genome of the endangered eastern quoll (*Dasyurus viverrinus*) reveals signatures of historical decline and pelage color evolution. *Communications biology*, 7(1), 636. <https://doi.org/10.1038/s42003-024-06251-0>

Day, J., **Hall, J., Rose, K.**, Vinette Herrin, K., March, D., Pitt, O., FitzSimmons, N.N., Hall, L., Marshall, K., Iredell, S., Meagher, P. (2024). Mixed stock analysis identifies natal origins of green turtles at foraging grounds in southeastern Australia. *Frontiers in Marine Science*, vol 11. <https://doi.org/10.3389/fmars.2024.1346932>

Parrish, K., Kirkland, P., Horwood, P., Chessman, B., Ruming, S., McGilvray, G., **Rose, K., Hall, J.**, Skerratt, L. (2024). Delving into the Aftermath of a Disease-Associated Near-Extinction Event: A Five-Year Study of a Serpentovirus (Nidovirus) in a Critically Endangered Turtle Population. *Viruses*, 16(4): 653. <https://doi.org/10.3390/v16040653>

Mifsud, J.C.O., **Hall, J.**, Van Brussel, K., **Rose, K.**, Parry, R.H., Holmes, E.C., Harvey, E. (2024). A novel papillomavirus in a New Zealand fur seal (*Arctocephalus forsteri*) with oral lesions. *npj Viruses*, 2, 10. <https://doi.org/10.1038/s44298-024-00020-w>

Canuti, M., King, A.V. L., Franzo, G., Cluff, H. D., Larsen, L. E., **Fenton, H.**, Dufour, S. C., Lang, A. S. (2024). Diverse fox circovirus (Circovirus canine) variants circulate at high prevalence in grey wolves (*Canis lupus*). *PCI Infections*. bioRxiv <https://doi.org/10.1101/2024.03.08.584028>

Mau, A., Rodríguez, P.S., Picknell, A., Tepedino, A., Capaldo, D., **Fenton, H.**, Pemberton, L., Stewart, K.M., & Dennis, M.M. (2024). "In-nest mortality and pathology of hawksbill sea turtle (*Eretmochelys imbricata*) embryos and hatchlings in St. Kitts and Nevis", *Journal of Comparative Pathology*, 209, 13-21 <https://doi.org/10.1016/j.icpa.2024.01.004>

Jarolimek, C. V., King, J. J., Apte, S. C., Hall, J., Gautam, A., Gillmore, M., Doyle, C. (2023) "A review of inorganic contaminants in Australian marine mammals, birds and turtles". *Environmental Chemistry* 20, 147-170. <https://doi.org/10.1071/EN23057>

Hall, J., Bengtson Nash, S., Gautam, A., **Bender, H., Pitcher, B. J.**, McCallum, H., Doyle, C. (2023) "Persistent organic pollutants and trace elements detected in New Zealand fur seals (long-nosed fur seal; *Arctocephalus forsteri*) from New South Wales, Australia, between 1998 and 2019". *Science of The Total Environment*, 902: 166087. <https://doi.org/10.1016/j.scitotenv.2023.166087>

Van Brussel, K., Mahar, J.E., **Hall, J., Bender, H.**, Ortiz-Baez, A.S., Chang, W.S., Holmes, E.C., **Rose, K.** (2023). Gammaretroviruses, novel viruses and pathogenic bacteria in Australian bats with neurological signs, pneumonia and skin lesions. *Virology*. Jul 17;586:43-55. <https://doi.org/10.1016/j.virol.2023.07.011>

Lloyd-Jones, L.R., Bravington, M.V., Armstrong, K.N., Lawrence, E., Feutry, P., Todd, C., Dorrestein, A., Welbergen, J.A., Martin, J.M., **Rose, K., Hall, J.**, Phalen, D.N. Peters, I., Baylis, S.M., Macgregor, N. Westcott, D.A. (2023). Close-kin mark-recapture informs critically endangered terrestrial mammal status. *Sci Rep* 13, 12512. <https://doi.org/10.1038/s41598-023-38639-z>

Niedringhaus, K.D., Dumbacher, J.P., Dunker, F., Flannery, M., Lawson, B., **Fenton, H.M.A.**, Higley, J.M., Yabsley, M.J. (2023). "Apparent prevalence, diversity, and associated pathology of peri-ocular nematodes in a population of barred owls (*Strix varia*) from Northern California, USA". *Journal of Wildlife Diseases* 59: <https://doi.org/10.7589/JWD-D-21-00186>

Buhler, K. J., Dibernardo, A., Pilfold, N., Harms, N. J., **Fenton, H.**, Carriere, S., Kelly, A., Schwantje, H., Aguilar, X. F., Leclerc, L., Gouin, G., Lunn, N. J., Richardson, E. S., McGeachy, D., Bouchard, É., Ortiz, A. H., Samelius, G., Lindsay, L. R., Drebot, M. A., Gaffney, P., Leighton, P., Alisaukas, R., and Jenkins, E. (2023). "Widespread exposure to mosquito-borne California serogroup viruses in caribou (*Rangifer tarandus*), Arctic fox (*Vulpes lagopus*), red fox (*Vulpes vulpes*), and polar bear (*Ursus maritimus*) from northern Canada". *Emerging Infectious Diseases*, 29 (1), 54-63. <https://doi.org/10.3201/eid2901.220154>

Buhler, K., Bouchard, É., Elmore, S., Samelius, G., Jackson, J., Tomaselli, M., **Fenton, H.**, Alisaukas, R., Jenkins, E. (2023). "Tularemia above the Treeline: Climate and Rodent Abundance Influences Exposure of a Sentinel Species, the Arctic Fox (*Vulpes lagopus*), to *Francisella tularensis*". *Pathogens*, 12(1) 28. <https://doi.org/10.3390/pathogens12010028>

Chenery, E., Harms, N. J., **Fenton, H.**, Mandrak, N., Molnár, P. (2022). "Revealing large-scale parasite ranges: An integrated spatiotemporal database and multisource analysis of the winter tick". *Ecosphere*, 14(1), <https://doi.org/10.1002/ecs2.4376>

Kunkel, M., Brown, J. D., Williams, L., Niedringhaus, K. D., **Fenton, H.**, Ruder, M. G., Nemeth, N. M. (2022). "Comparison of Natural and Experimental West Nile Virus Infections in Free-Ranging Ruffed Grouse (*Bonasa umbellus*)". *Journal of Wildlife Diseases*, 58(4), 915-925. <https://doi.org/10.7589/JWD-D-22-00047>

Buhler, K.J., Fernando, C., Hill, J.E., Galloway, T., Carriere, S., **Fenton, H.**, Fauteux, D., & Jenkins, E.J. (2022). "Combining deep sequencing and conventional molecular approaches reveals broad diversity and distribution of fleas and *Bartonella* in rodents and shrews from Arctic and Subarctic ecosystems" *Springer Nature, Parasites & Vectors*, 15(366). <https://doi.org/10.1186/s13071-022-05446-w>

Hall, J., Bender, H., Miller, N., Thompson, P. (2022). "Fatal Bronchopneumonia and Tracheitis in a Green Turtle (*Chelonia mydas*) Caused by *Serratia proteamaculans*." *Animals (Basel)* 25;12(15):1891. <https://doi.org/10.3390/ani12151891>

Hansen, D., Hunt, B.E., Falvo, C.A., Ruiz-Aravena, M., Kessler, M.K., **Hall, J.**, Thompson, P., **Rose, K.**, Jones, D.N., Lunn, T.J., Dale, A.S., Peel, A.J., Plowright, R.K., Bat One Health. (2022). "Morphological and quantitative analysis of leukocytes in free-living Australian black flying foxes (*Pteropus alecto*)". *PLoS ONE*, 17(5): e0268549. <https://doi.org/10.1371/journal.pone.0268549>

Pulscher, L.A., Peel, A.J., **Rose, K.**, Welbergen, J.A., Baker, M.L., Boyd, V., Low-Choy, S., Edson, D., Todd, C., Dorrestein, A., **Hall, J.**, Todd, S., Broder, C.C., Yan, L., Xu, K., Peck, G.R., Phalen, D.N. (2022). "Serological evidence of a pararubulavirus and a betacoronavirus in the geographically isolated Christmas Island flying-fox (*Pteropus natalis*)". *Transbound Emerg Dis.* 2022 May 2. <https://doi.org/10.1111/tbed.14579>

Todd, C.M., Westcott, D.A., Martin, J.M., **Rose, K.**, McKeown, A., **Hall, J.**, Welbergen, J. (2022). "Body-size dependent foraging strategies in the Christmas Island flying-fox: implications for seed and pollen dispersal within a threatened island ecosystem, *Movement Ecology*", 10(19). <https://doi.org/10.1186/s40462-022-00315-8>

Chang, W.S., **Rose, K.**, Holmes, E.C. (2021). "Meta-transcriptomic analysis of the virome and microbiome of the invasive Indian myna (*Acridotheres tristis*) in Australia.", *One Health.* 7(13), 100360. <https://doi.org/10.1016/j.onehlt.2021.100360>

Agius, J., **Rose, K.**, Emery, J.P., Phalen, D. (2021). "Experimental infection of Asian house geckos (*Hemidactylus frenatus*) with *Enterococcus lacertideformis* demonstrates multiple routes of disease transmission and the relative in-vivo efficacy of antibiotic treatments, 11:13858. <https://doi.org/10.1038/s41598-021-92999-y>

Agius, J.E., Phalen, D.N., **Rose, K.**, Eden, J-S. (2021). "Genomic insights into the pathogenicity of a novel biofilmforming *Enterococcus* sp. bacteria (*Enterococcus lacertideformis*) identified in reptiles", *Frontiers in Microbiology*, 12:635208. <https://doi.org/10.3389/fmicb.2021.635208>

Pulscher, L.A., Gray, R., McQuilty, R., **Rose, K.**, Welbergen, J., Phalen, D.N. (2021). "Investigation into the utility of flying foxes as bioindicators for environmental metal pollution reveals evidence of diminished lead but significant cadmium exposure", *Chemosphere*. 254:126839.

<https://doi.org/10.1016/j.chemosphere.2020.126839>

Emery, J., Mitchell, N., Cogger, H., Agius, J., Andrew, P., Detto, T., Driscoll, D., Flakus, S., Green, P., Harlow, P., McFadden, M., Pink, C., Retallick, K., **Rose, K.**, Sleeth, M., Tiernan, B., Valentine, L.E., Woinarski, J.Z. (2021).

"The lost lizards of Christmas Island: a retrospective assessment of factors driving the collapse of a native reptile community", *Conservation Science and Practice*, 3(2):e358. <https://doi.org/10.1111/csp2.358>

Lacasse, C., **Rose, K.**, Allen, M., Ward, M.P., Pulscher, L.A., Giles, A., **Hall, J.**, Phalen, D.N. (2021). "Investigation into clinicopathological and pathological findings, prognosis, and aetiology of lorikeet paralysis syndrome in rainbow lorikeets (*Trichoglossus haematodus*)", *Australian Veterinary Journal*, 99(10): 432-444.

<https://doi.org/10.1111/avi.13107>

Hall, J., Rose, K., Austen, J., Egan, S., Bilney, R., Kambouris, P., MacGregor, C., Dexter, N. (2020). "Baseline health parameters for a newly established population of long-nosed potoroo (*Potorous tridactylus*) at Booderee National Park, Australia", *Journal of Wildlife Diseases*, 57(3): 515-524. <https://doi.org/10.7589/jwd-d-20-00168>

Hall, J., Bender, H., Parrish, K., Taylor, D., Spark, P., Streeting, L., **Rose, K.** (2020). "Squamous Cell Carcinoma in Two Wild Bell's Turtles (*Myuchelys bellii*)", *Journal of Wildlife Diseases*, 56(4): 937-940.

<https://doi.org/10.7589/JWD-D-19-00014>

Chang, W-S., Li, C.X., **Hall, J.**, Eden, J-S., Hyndman, T.H., Holmes, E.C., **Rose, K.** (2020). "Meta-Transcriptomic Discovery of a Divergent Circovirus and a Chaphamaparvovirus in Captive Reptiles with Proliferative Respiratory Syndrome", *Viruses*, 12(10):1073. <https://pubmed.ncbi.nlm.nih.gov/32992674/>

Chang, W-S., Eden, J-S., **Hall, J.**, Shi, M., **Rose, K.**, Holmes, E.C. (2020). "Metatranscriptomic analysis of virus diversity in urban wild birds with parrot disease", *Journal of Virology*, 94:e00606-20.

<https://doi.org/10.1128/JVI.00606-20>

Ban de Gouvea Pedroso, S., Phalen, D.N., Terkildsen, M., Blyde, D., March, D.T., Gordon, A.N., Chapman, P.A., Mills, P.C., Owen, H., Gillett, A., Lloyd, H.B., Ross, G.A., **Hall, J.**, Scott, J., Ariel, E., Yang, R., **Rose, K.A.** (2020). "Coccidiosis in Green Turtles (*Chelonia mydas*) in Australia: pathogenesis, spatial and temporal distribution, and climate-related determinants of disease outbreaks", *Journal of Wildlife Diseases*, 56(2), DOI: 10.7589/2019-05-115. <https://pubmed.ncbi.nlm.nih.gov/31658432/>

Peterson, N.R., **Rose, K.**, Shaw, S., Hyndman, T.H., Sigler, L., Kurtböke, D.İ., Llinas, J., Littleford-Colquhoun, B.L., Cristescu, R., Frère, C. (2020). "Cross-continental emergence of Nannizziopsis barbatae disease may threaten wild Australian lizards", *Sci Rep*. 10:20976. <https://doi.org/10.1038/s41598-020-77865-7>

Porter, A.F., Pettersson, J.H., Chang, W.S., Harvey, E., **Rose, K.**, Shi, M., Eden, J-S., Buchmann, J., Moritz, C., Holmes, E.C. (2020). "Novel hepaci- and pegi-like viruses in native Australian wildlife and non-human primates", *Virus Evol.* 20;6(2):veaa064. <https://doi.org/10.1093/ve/veaa064>

Ortiz-Baez, A.S., Cousins, K., Eden, J.S., Chang, W., Slapeta, J., **Rose, K.**, Holmes, E. (2020). "Meta-transcriptomic identification of *Trypanosoma* spp. in native wildlife species from Australia", *Parasites Vectors* 13: 447.

<https://doi.org/10.1186/s13071-020-04325-6>

Pulscher, L.A., Gray, R., McQuilty, R., **Rose, K.**, Welbergen, J.A., Phalen, D.N. (2020). "Evidence of chronic cadmium exposure identified in the critically endangered Christmas Island flying-fox (*Pteropus natalis*)", *Sci Total Environ.* 766:144374. <https://doi.org/10.1016/j.scitotenv.2020.144374>

Agius, J.E., Kimble, B., Govendir, M., **Rose, K.**, Pollard, C.L., Phalen, D.N. (2020). "Pharmacokinetic profile of enrofloxacin and its metabolite ciprofloxacin in Asian house geckos (*Hemidactylus frenatus*) after single-dose oral administration of enrofloxacin", *Veterinary and Animal Science*. 9:100116.

<https://doi.org/10.1016/j.vas.2020.100116>

Pulscher, L.A., Dierenfeld, E., Welbergen, J., **Rose, K.**, Phalen, D.N. (2020). "A comparison of nutritional value of native and alien food plants for a critically endangered island flying-fox", *PLOS ONE*, 16(5):e0250857.

<https://doi.org/10.1371/journal.pone.0250857>

Setyo, L., Donahoe, S.L., **Rose, K.**, Spielman, D. (2020). "Mammary neoplasia in common brushtail possums: case report and retrospective identification of additional cases", *Australian Veterinary Journal*, 98 (6): 243-246.

<https://doi.org/10.1111/avi.12929>

Rose, K., Keel, K. (2019). Small wild animal necropsy workshop notes, Wildlife Pathology Short Course 2019.

<http://3.104.156.86/wp-content/uploads/2021/05/Small-Wild-Animal-Workshop-Notes-2019-FINAL.pdf>

Thompson, P., **Hall, J.** (2019). Practical laboratory skills workshop notes, Wildlife Pathology Short Course 2019.

http://3.104.156.86/wp-content/uploads/2021/05/WILDLIFE-PATHOLOGY_Practical-Laboratory-Skills_2019_v5.pdf

Austen, J. M., **Hall, J.**, Zahedi, A., Goften, A., Ryan, U. (2019). "Further characterisation of *Haemocystidium chelodinae*-like *Haemoproteidae* isolated from the Bellinger River snapping turtle (*Myuchelys georgesi*)" *Parasitology Research*. 2019 Nov DOI: 10.1007/s00436-019-06547-9.

<https://pubmed.ncbi.nlm.nih.gov/31754857/>

Robinson, N. M., Dexter, N., Brewster, R., Maple, D., MacGregor, C., **Rose, K.**, **Hall, J.**, Lindenmayer, D. B. (2019). "Be nimble with threat mitigation: lessons learned from the reintroduction of an endangered species", *Restor Ecol*. doi:10.1111/rec.13028

<https://onlinelibrary.wiley.com/doi/full/10.1111/rec.13028>

Harvey, E., **Rose, K.**, Eden, J.S., Lawrence, A., Doggett, S.L., Holmes, E.C. (2019). "Identification of diverse arthropod associated viruses in native Australian fleas", *Virology*, 535:189-199.

<https://doi.org/10.1016/j.virol.2019.07.010>

Charon, J., Grigg, M.J., Eden, J-S., Piera, K.A., Rana, H., William, T., **Rose, K.**, Davenport, M.P., Anstey, N.M., Holmes, E.C. (2019). "Novel RNA viruses associated with *Plasmodium vivax* in human malaria and *Leucocytozoon* parasites in avian disease", *PLoS Pathogens*, 30;15(12):e1008216.

<https://doi.org/10.1371/journal.ppat.1008216>

Chang, W., Eden, J.S., Hartley, W.J., **Rose, K.**, Holmes, E.C. (2019). "Metagenomic discovery and co-infection of diverse wobbly possum disease viruses and novel hepaciviruses in Australian brushtail possums", *One Health Platforms*. *One Health Outlook* 1, 5.

<https://doi.org/10.1186/s42522-019-0006-x>

Agius, J.E., Phalen, D.N., **Rose, K.**, Eden, J.S. (2019). "New insights into *Sauropsid Papillomaviridae* evolution and epizootiology - Discovery of two novel papillomaviruses in native and invasive island geckos", *Virus Evolution*. *Virus Evolution*, 5(2): vez051.

<https://doi.org/10.1093/ve/vez051>

Harvey, E., **Rose, K.**, Eden J-S., Lo, N., Abeyasuriya, T., Shi, M., Doggett, S., Holmes, E. (2019). "Extensive diversity of RNA viruses in Australian ticks", *Genetic Diversity and Evolution*, 93(3):e01358-18.

<https://doi.org/10.1128/JVI.01358-18>

Zhang, J., Finlaison, D., Frost, M., Gestier, S., Gu, X., **Hall, J.**, Jenkins, C., Parrish, K., Read, A., Srivastava, M., **Rose, K.**, Kirkland, P. (2018). "Identification of a novel nidovirus as a potential cause of large scale mortalities in the endangered Bellinger River snapping turtle (*Myuchelys georgesi*)", *PLoS ONE*. 13(10): e0205209.

<https://doi.org/10.1371/journal.pone.0205209>

Todd, C.M., Westcott, D.A., **Rose, K.**, Martin, J.M., Welbergen, J.A. (2018). "Slow growth and delayed maturation in a Critically Endangered insular flying fox (*Pteropus natalis*)", *Journal of Mammalogy*, 6(5), 1510-1521. <https://doi.org/10.1093/jmammal/gvy110>

Andrew, P., Cogger, H., Driscoll, D., Flakus, S., Harlow, P., Maple, D., Misso M., Pink C., Retallick K., **Rose K.**, Tiernan B., West J., Woinarski, J. (2018). "Somewhat saved: A captive breeding programme for two endemic Christmas Island lizard species, now extinct in the wild", *Oryx*, 52(1), 171-174. <https://doi.org/10.1017/S0030605316001071>

Phalen, D.N., **Hall, J.**, Ganesh, G., Hartigan, A., Smith, C., De Jong, C., Field, H., **Rose, K.** (2017). "Genetic diversity and phylogeny of the Christmas Island flying fox (*Pteropus melanotus natalis*)", *J Mammal* (2017) 98 (2): 428-437. <https://academic.oup.com/jmammal/article/98/2/428/3061749>

Rose, K., Agius, J., **Hall, J.**, Thompson, P., Eden, J.S., Srivastava, M., Tiernan, B., Jenkins, C., Phalen, D. (2017). "Emergent multisystemic Enterococcus infection threatens endangered Christmas Island reptile populations", *PLOS ONE* 12(7): e0181240. <https://doi.org/10.1371/journal.pone.0181240>

Eden, J. S., **Rose, K.**, Ng, J., Shi, M., Wang, Q., Sintchenko, V., et al. (2017). "*Francisella tularensis* ssp. *holarctica* in Ringtail Possums, Australia", *Emerg. Infect. Dis.* 23(7), 1198–1201. <https://dx.doi.org/10.3201%2F2307.161863>

Šlapeta, J., Saverimuttu, S., Vogelnest, L., Sangster, C., Hulst, F., **Rose, K.**, Thompson, P., Whittington, R. (2017). "Deep-sequencing to resolve complex diversity of apicomplexan parasites in platypuses and echidnas: Proof of principle for wildlife disease investigation", *Infection, Genetics and Evolution*, 55:218-227. <https://doi.org/10.1016/j.meegid.2017.09.007>

Lott, M., **Rose, K.** (2016). "Emerging threats to biosecurity in Australasia: the need for an integrated management strategy", *Pacific Conservation Biology* 22(2) 182-188. <https://doi.org/10.1071/PC15040>

Cooper, M.K., Phalen, D.N., Donahoe, S.L., **Rose, K.**, Šlapeta, J. (2016). "The utility of diversity profiling using Illumina 18S rRNA gene amplicon deep sequencing to detect and discriminate *Toxoplasma gondii* among the cyst-forming coccidia", *Veterinary Parasitology* 216: 38-45. <https://doi.org/10.1016/j.vetpar.2015.12.011>

Botero, A., Cooper, C., Thompson, C.K., Clode, P.L., **Rose, K.**, Thompson, R.A. (2016). "Morphological and phylogenetic description of *Trypanosoma noyesi* sp. nov.: An Australian wildlife trypanosome within the *T. cruzi* clade", *Protist* 167(5), pp.425-439. <https://doi.org/10.1016/j.protis.2016.07.002>

Leone, A.M, Crawshaw, G.J., Garner, M.M., Frasca, S., Stasiak, I., **Rose, K.**, Neil, D., Farina, L.L. (2016). "A retrospective study of the lesions associated with iron storage disease in captive Egyptian fruit bats (*Rousettus aegyptiacus*)", *Journal of Zoo and Wildlife Medicine* 47(1): 45-55. <https://doi.org/10.1638/2015-0224.1>

Vidgen, M.E., de Jong, C., **Rose, K.**, **Hall, J.**, Field, H., Smith, C.S. (2015). "Novel paramyxoviruses in Australian flying-fox populations support host-virus co-evolution", *J Gen Virol*. DOI: 10.1099/vir.0.000099. <https://pubmed.ncbi.nlm.nih.gov/25701824/>

Donahoe, S.L., Peacock, C.S., Choo, A.Y., Cook, R.W., O'Donoghue, P., Cramer, S., Vogelnest, L., Gordon, A.N., Scott, J.L., **Rose, K.A.** (2015). "A retrospective study of *Babesia macropus* associated with morbidity and mortality in eastern grey kangaroos (*Macropus giganteus*) and agile wallabies (*Macropus agilis*)", *International Journal for Parasitology: Parasites and Wildlife* 4, 268-276. <https://dx.doi.org/10.1016%2Fj.ijppaw.2015.02.002>

Holz, P.H., Portas, T., **Donahoe, S.**, Cramer, S., **Rose, K.** (2015). "Mortality in northern corroboree frog tadpoles (*Pseudophryne pengilleyi*) associated with *Tetrahymena*-like infection", Australian Veterinary Journal, 93(8), 295-297. <https://doi.org/10.1111/avi.12337>

Hall, J., Rose, K., Smith, C., De Jong, C., Phalen, D., Austen, J., Field, H. (2014). "Health assessment of the Christmas Island flying fox (*Pteropus melanotus natalis*)", Journal of Wildlife Disease, 50(3): 447-458. <https://pubmed.ncbi.nlm.nih.gov/24807172/>

Grogan, L., Skerratt, L., Berger, L., Cashins, S., Grillo, V., **Rose, K.** (2014). "Surveillance for emerging infectious biodiversity diseases", PLoS Pathog 10(5): e1004015. <https://doi.org/10.1371/journal.ppat.1004015>

Donahoe, S., Rose, K., Slapeta, J. (2014). "Multisystemic toxoplasmosis associated with a type II-like *Toxoplasma gondii* strain in a New Zealand fur seal (*Arctocephalus forsteri*) from New South Wales, Australia", Veterinary Parasitology, 205(1-2):347-53. <https://doi.org/10.1016/j.vetpar.2014.07.022>

Lohrey, J., Faux, N., **Rose, K.**, Killeen, N. (2014). "Data Driving Innovation", Asia Pacific Biotech News, 18(9): 61-63.

Brookhouse, N., **Rose, K.**, Kerr, I., Gudge, S., Bucher, D. (2013). "Impact, risks and management of fish feeding at Ned's Beach, Lord Howe Island Marine Park, Australia: a case study of how a seemingly innocuous activity can become a serious problem", J. Ecotourism. 12:3, 165-181. <https://doi.org/10.1080/14724049.2014.896369>

Coldham, T., **Rose, K.**, O'Rourke, J., Neilan, B., Dalton, H., Lee, A., Mitchell, H. (2013). "Detection of *Helicobacter* species in the gastrointestinal tract of ringtail possum and koala; influence of diet on the gut microbiota", Veterinary Microbiology 166 (2013) 429–437. <https://doi.org/10.1016/j.vetmic.2013.06.026>

Ma, G., Dennis, M., **Rose, K.**, Spratt, D., Spielman, D. (2013). "Tawny Frogmouths and brushtail possums as sentinels for *Angiostrongylus cantonensis*, the rat lungworm", Veterinary Parasitology 192: 158-165. <https://doi.org/10.1016/j.vetpar.2012.11.009>

Rose, K.A., Kirkland, P.D., Davis, R.J., Cooper, D.W., Blumstein, D., Pritchard, L.I., Newberry, K.M., Lunt, R.A. (2012). "Epizootics of sudden death in Tammar Wallabies (*Macropus eugenii*) associated with an orbivirus infection", Australian Veterinary Journal. 90(12): 505-509. <https://doi.org/10.1111/j.1751-0813.2012.00993.x>

Staff, M., Musto, J., Hogg, G., Janssen, M., **Rose K.** (2012). "Salmonellosis outbreak traced to playground sand, Australia, 2007–2009", Emerg Infect Dis. 18(7): 1159–1162. <https://doi.org/10.3201/eid1807.111443>

Hartigan, A., Sangster, C., **Rose, K.**, Phalen, D.N., Šlapeta, J. (2012). "Myxozoan parasite in brain of critically endangered frog", Emerg Infect Dis. 18(4): 693–695. <https://dx.doi.org/10.3201/eid1804.111606>

Hartigan, A., Dhand, N.K., **Rose, K.**, Šlapeta, J., Phalen, D.N. (2012). "Comparative pathology and ecological implications of two myxosporean parasites in native Australian frogs and the invasive cane toad", PLoS ONE. 7(10): 1-14. <https://doi.org/10.1371/journal.pone.0043780>

Hartigan, A., Fiala, I., Dyková, I., **Rose, K.**, Phalen, D.N., Šlapeta, J. (2012). "New species of Myxosporea from frogs and resurrection of the genus *Cystodiscus* Lutz, 1889 for species with myxospores in gallbladders of amphibians", Parasitology. 139(4):478-96. <https://doi.org/10.1017/s0031182011002149>

Rose K., Hall J., Morrish B., Lohrey J. and Bhuyan M. (2011). "Emergent Information and Communication Technology-Enhancing Wildlife Health and Biosecurity Outcomes". 1st International One Health Congress Abstracts. EcoHealth 7, 8–170. <https://doi.org/10.1007/s10393-010-0376-0>

Hartigan, A., Fiala, I., Dyková, I., Jirků, M., Okimoto, B., **Rose, K.**, Phalen, D.N., Šlapeta, J. (2011). "A suspected

parasite spill-back of two novel *Myxidium* spp. (Myxosporea) causing disease in Australian endemic frogs found in the invasive cane toad”, PLoS One. 25;6(4): e18871. <https://doi.org/10.1371/journal.pone.0018871>

Dougall, A.M., Alexander, B., Holt, D., Harris, T., Sultan, A.H., Bates, P.A., **Rose, K.**, Walton, S.F. (2011). “Evidence incriminating midges (Diptera: Ceratopogonidae) as potential vectors of *Leishmania* in Australia”, Int J Para 41: 571-579. <http://dx.doi.org/10.1016/j.ijpara.2010.12.008>

Portas, T.J., Bryant, B., Jones, S.L., Humphreys, K., Gilpin, C.M., **Rose, K.A.** (2009). “Investigation and diagnosis of nontuberculous mycobacteriosis in a captive herd of aoudad (*Ammotragus lervia*)”, J Zoo Wildl Med 40(2): 306-315. <https://doi.org/10.1638/2008-0103.1>

Hill, N. J., **Rose, K.**, Deane, E.M., Old, J.M. (2007). “Rodentolepis fraterna: the cause of mortality in a new host, the Spinifex hopping mouse (*Notomys alexis*)”, Aus Vet J 85(1-2): 62-64. <https://doi.org/10.1111/j.1751-0813.2006.00095.x>

Portas, T.J., Spratt, D.M., **Rose, K.A.** (2005). “Microfilaraemia associated with *Pelecitus roemeri* in a western grey kangaroo (*Macropus fuliginosus*)”, AVJ 83(6): 353-354. <https://doi.org/10.1111/j.1751-0813.2005.tb15632.x>

McLelland, D.J., Kirkland, P.D., **Rose, K.A.**, Dixon, R.J., Smith, N. (2005). “Serological responses of Barbary sheep (*Ammotragus lervia*), Indian antelope (*Antilope cervicapra*), wallaroos (*Macropus robustus*) and chimpanzees (*Pan troglodytes*) to an inactivated encephalomyocarditis virus vaccine”, Journal of Zoo and Wildlife Medicine 36(1): 69-73. <https://doi.org/10.1638/03-054>

Monks, D.J., Carlisle, M.S., Carrigan, M., **Rose, K.**, Spratt, D., Gallagher, A., Prociv, P. (2005). “*Angiostrongylus cantonensis* infection in birds: cerebrospinal disease in a yellow-tailed black cockatoo (*Calyptorhynchus funereus*) and two tawny frogmouths (*Podargus strigoides*)”, Journal of Avian Medicine and Surgery 19(4): 289-293. <https://doi.org/10.1647/2004-024.1>

Rose, K., Curtis, J., Baldwin, T., Mathis, A., Kumar, B., Sakthianandeswaren, A., Spurck, T., Low Choy, J., Handman, E. (2004). “Cutaneous leishmaniasis in red kangaroos: isolation and characterization of the causative organisms”, International Journal for Parasitology 34(5): 655–664. <https://doi.org/10.1016/j.ijpara.2004.03.001>

Rose, K. (2004). “Cutaneous leishmaniasis in red kangaroos”, Aus Vet J 82(7): 440. <https://doi.org/10.1111/j.1751-0813.2004.tb11138.x>

Malik, R., Krockenberger, M.B., Cross, G., Doneley, R., Madill, D.N., Blacks, D., McWhirter, P., Rozenwax, A., **Rose, K.**, Alley, M., Forshaw, D., Russell-Brown, I., Johnstone, A.C., Martin, P., O’Brien, C.R., Love, D.N. (2003). “Avian cryptococcosis”, Medical Mycology 41: 115-124. <https://doi.org/10.1080/mmy.41.2.115.124>

Bodetti, T., Jacobsen, E., Wan, C., Hafner, L., Pospischil, A., **Rose, K.**, Timms, P. (2002). “Molecular evidence to support expansion of the host range of *Chlamydia pneumoniae* to include reptiles as well as humans, horses, koalas and amphibians”, Systemic and Applied Microbiology 25: 145-152. <https://doi.org/10.1078/0723-2020-00086>

Schmutz, J.K., **Rose, K.A.**, Johnson, R.G. (1989). “Hazards to raptors from strychnine poisoned ground squirrels”, J. Raptor Res. 23(4): 147-151.

Technical Reports

Pulscher L., **Rose K.**, **Hall J.** (2021). Heavy Metal Survey of Christmas Island Flora and Fauna. A technical report to Christmas Island National Park and Parks Australia.

Bender, H.S., Walsh, M., **Hall, J., Rose, K.A.** (2018). Wildlife Disease Surveillance. A final report prepared for the NSW Office of Environment and Heritage. This work was funded by the Biodiversity Node of the NSW Adaptation Research Hub <https://www.climatechange.environment.nsw.gov.au/weeds-pests-and-disease-research>

Jakob-Hoff, R., Lees, C. M., McGilvray, G., Ruming, S., Chessman, B., Gilchrist, S., **Rose, K.,** Spencer, R., **Hall, J.** (Eds) (2017). Status Review, Disease Risk Analysis and Conservation Action Plan for the Bellingher River Snapping Turtle. IUCN SSC Conservation Breeding Specialist Group: Apple Valley, MN
http://cbsg.org/sites/cbsg.org/files/documents/Workshop_Summary_Bellingher_River_Snapping_Turtles_0.pdf

Rose, K., Hall, J., McGilvray G., Ruming, S. (2016). Bellingher River Snapping Turtle Conservation Planning Workshop - Disease Risk Analysis Briefing Notes. NSW Office of Environment and Heritage.

Hall, J., Rose, K. (2016). Health assessment of long-nosed potoroo translocated to Booderee National Park. A final report to Booderee National Park (Parks Australia). Manuscript in preparation.

Hall, J., Lees, C. (2016). Captive Management Plan for the Christmas Island Flying-fox, *Pteropus melanotus natalis*. Christmas Island National Park, Department of the Environment and Energy, Christmas Island.

Hall, J., Rose, K., Donahoe, S., Harlow, P., Smith, C., De Jong, C. (2011). Assessment of Reptile and Mammal Health on Christmas Island. Report to the Christmas Island National Park and Australian Government Department of Sustainability, Environment, Water, Population and Communities.

King, J., Slapeta, J., Phalen, D., **Rose, K.** (2011). Development and validation of a rapid field test to detect the chytrid fungus *Batrachochytrium dendrobatidis* at a high specificity and sensitivity, for use in surveys to determine the distribution of Chytridiomycosis. Report to the Australian Government Department of Sustainability, Environment, Water and Communities.

<https://www.dcceew.gov.au/sites/default/files/documents/chytrid-fungus-field-test.pdf>

Hyatt, A.D., Speare, R., **Rose, K.,** and Pergolotti, D. (2008). Experimental research to obtain a better understanding of the potential presence and impact of new amphibian diseases in the Wet Tropics, Australia. Technical report to Australian Government Department of Environment, Water, Heritage, and Arts.

Phalen D., **Rose K.,** Hueston L., Azoulas J., Lloyd G., Kirkland P. (2007). A survey of domestic animals and wildlife in Victoria and New South Wales for serological evidence of infection with Murray Valley encephalitis virus. Technical report to the Australian Government Department of Agriculture, Fisheries and Forestry.

Rose, K., Uhart, M., Lubroth, J., Newman S. (2006). Wild Bird Highly Pathogenic Avian Influenza Surveillance. Sample collection from healthy, sick and dead birds. In: United Nations Food and Agriculture Organisation Animal Production and Health Manual #4. Food and Agriculture Organisation, Rome.

Other Publications

Rose, K., Hall, J. (2024) "The Australian Registry of Wildlife Health Update" and "Novel Papilloma virus in a New Zealand Fur Seal with proliferative oral lesions" The Scope, Australian Veterinary Pathology Society.

Rose, K., Hall, J. (2024) "Novel Papilloma virus in a New Zealand Fur Seal with proliferative oral lesions" Davis-Thompson Foundation Newsletter.

Hall, J. 2024 Wildlife Health and Pathology Short Course Proceedings, Australian Registry of Wildlife Health, Taronga Conservation Society Australia.

Fenton, H. North American Avian Mortality Cases, Wildlife Health and Pathology Short Course Proceedings. Sydney, Australia, 14 February 2024.

Fenton, H. Macropod Diseases, Wildlife Health and Pathology Short Course Proceedings. Sydney, Australia, 16 February 2024.

Rose, K. Monotremes, Wildlife Health and Pathology Short Course Proceedings. Sydney, Australia, 16 February 2024.

Rose, K. Possums, Gliders, Bandicoots & Bilbies, Wildlife Health and Pathology Short Course Proceedings. Sydney, Australia, 16 February 2024.

Hall, J. 2024 Indonesia Wildlife Pathology Short Course Proceedings, Australian Registry of Wildlife Health, Taronga Conservation Society Australia.

Fenton, H. Avian diseases, Indonesia Wildlife Pathology Short Course Proceedings. Malang, East Java, Indonesia, 22 February 2024.

Rose, K. Wildlife disease investigation basics and Introduction to the Registry, Indonesia Wildlife Pathology Short Course Proceedings. Malang, East Java, Indonesia, 20 February 2024.

Hall, J., Courtman, N. and Rose, K. Cytology 101: Workshop notes for the Wildlife Necropsy and Sampling Workshop, Sydney, Australia, 12 February 2024.

Hall, J., Rose, K. and Courtman, N. Wild Animal Necropsy & Sample Collection Workshop notes for the Wildlife Necropsy and Sampling Workshop, Sydney, Australia, 12 February 2024.

Johnson, P., Hall, J., and Rose, K. (2022). Common Diseases of Urban Wildlife: Amphibians. Taronga Conservation Society Australia, Sydney. <https://arwh.org/wp-content/uploads/2023/06/COMMON-DISEASES-OF-AMPHIBIANS-FNL.pdf>

Rose, K., Hall, J., Dobson, N. (2022). NSW Wildlife Disease Investigation. Australian Registry of Wildlife Health, Taronga Conservation Society Australia, Sydney.

Bender, H., Hall, J., Rose, K., Holz, P., and Hufschmidt, J. (2019). "Dasyurids, Possums, Gliders, Bandicoots, Bilbies & Other", In: Wildlife Health and Pathology Short Course Proceedings. Australian Registry of Wildlife Health, Taronga Conservation Society Australia, Sydney (Eds: Hall J) pp 1-338.

Hall, J. (2019). Translocation Health Symposium Proceedings. Australian Registry of Wildlife Health, Taronga Conservation Society Australia, Sydney, pp 1-16.

Thompson, P., and **Hall, J.** (2019). Practical laboratory skills workshop. Australian Registry of Wildlife Health, Taronga Conservation Society Australia, Sydney.

Hall, J. (2016). Husbandry Manual: Christmas Island Flying-fox (*Pteropus melanotus natalis*). Christmas Island Nation Park, Department of the Environment and Energy, Christmas Island. <https://arwh.org/sites/default/files/2019-10/CIFF%20Husbandry%20Manual%20FINAL%2023062016.pdf>

Hall, J., and Rose, K. (eds.) (2012). Proceedings: Wildlife Pathology Short Course, Camden, February 2012. Sydney: Taronga Conservation Society Australia.

Hall, J. (2012). Practical Laboratory Skills Workshop Notes, Australian Registry of Wildlife Health (February, 2012), University of Sydney (Camden)

Hall, J. (2012). Small Animal Necropsy Workshop Notes, Australian Registry of Wildlife Health (February, 2012), University of Sydney (Camden)

Hall, J., and Rose, K. (eds.) (2008). Proceedings: Wildlife Pathology Short Course, Taronga Zoo, March 2008. Sydney: Taronga Conservation Society Australia.