

- Abdul-Cader, M.S., Amarasinghe, A., Palomino-Tapia, V., Ahmed-Hassan, H., Bakhtawar, K., Nagy, E., Sharif, S., Gomis, S., Abdul-Careem, M.F. 2018. *In ovo* CpG DNA delivery increases innate and adaptive immune cells in respiratory, gastrointestinal and immune systems post-hatch correlating with lower infectious laryngotracheitis virus infection. *PLoS ONE*, 13(3): e0193964. <https://www.doi.org/10.1371/journal.pone.0193964>
- Adams, G.P., Ratto, M.H., Carrasco, R.A. 2018. Natural and controlled ovulation in South American camelids. *Animal Reproduction*, 15: 996-1002. <https://www.doi.org/10.21451/1984-3143-AR2018-0033>
- Alandijany, T., Roberts, A.P.E., Conn, K.L., Loney, C., McFarlane, S., Orr, A., Boutell, C. 2018. Distinct temporal roles for the promyelocytic leukaemia (PML) protein in the sequential regulation of intracellular host immunity to HSV-1 infection. *PLoS Pathogens*, 14(1): e1006769. <https://www.doi.org/10.1371/journal.ppat.1006769>
- Alandijany, T., Roberts, A.P.E., Conn, K.L., Loney, C., McFarlane, S., Orr, A., Boutell, C. 2018. Erratum: Distinct temporal roles for the promyelocytic leukaemia (PML) protein in the sequential regulation of intracellular host immunity to HSV-1 infection (*PLoS Pathogens* (2018) 14:1 (e1006769) DOI: <https://www.doi.org/10.1371/journal.ppat.1006769>) *PLoS Pathogens*, 14(2): e1006927. <https://www.doi.org/10.1371/journal.ppat.1006927>
- Allan, B., Wheler, C., Köster, W., Sarfraz, M., Potter, A., Gerds, V., Dar, A. 2018. *In ovo* administration of innate immune stimulants and protection from early chick mortalities due to yolk sac infection. *Avian Diseases*, 62(3): 316-321. <https://www.doi.org/10.1637/11840-041218-Reg.1>
- Alphonsus, K.B., Waldner, C., Fuller, D. 2018. Examining the association between area level deprivation and vehicle collisions that result in injury. *Canadian Journal of Public Health*, 109(1): 43-51. <https://www.doi.org/10.17269/s41997-018-0036-7>
- Amarasinghe, A., Abdul-Cader, M.S., Almatrouk, Z., van der Meer, F., Cork, S.C., Gomis, S., Abdul-Careem, M.F. 2018. Induction of innate host responses characterized by production of interleukin (IL)-1 β and recruitment of macrophages to the respiratory tract of chickens following infection with infectious bronchitis virus (IBV). *Veterinary Microbiology*, 215: 1-10. <https://www.doi.org/10.1016/j.vetmic.2018.01.001>
- Amarasinghe, A., De Silva Senapathi, U., Abdul-Cader, M.S., Popowich, S., Marshall, F., Cork, S.C., Van Der Meer, F., Gomis, S., Abdul-Careem, M.F. 2018. Comparative features of infections of two Massachusetts (Mass) infectious bronchitis virus (IBV) variants isolated from Western Canadian layer flocks. *BMC Veterinary Research*, 14(1): 391. <https://www.doi.org/10.1186/s12917-018-1720-9>
- Amarasinghe, A., Popowich, S., Senapathi, U.S., Abdul-Cader, M.S., Marshall, F., van der Meer, F., Cork, S.C., Gomis, S., Abdul-Careem, M.F. 2018. Shell-less egg syndrome (SES) widespread in western Canadian layer operations is linked to a Massachusetts (Mass) type infectious bronchitis virus (IBV) isolate. *Viruses*, 10(8): 437. <https://www.doi.org/10.3390/v10080437>
- Ambros, B., Carrozzo, M.V., Jones, T. 2018. Desaturation times between dogs preoxygenated via face mask or flow-by technique before induction of anesthesia. *Veterinary Anaesthesia and Analgesia*, 45(4): 452-458. <https://www.doi.org/10.1016/j.vaa.2018.03.004>
- Ambros, B., Gaunt, M.C., Duke-Novakovski, T., Taylor, S.M. 2018. Effects of alfaxalone, thiopental, or propofol and diazepam on laryngeal motion in healthy dogs. *Canadian Veterinary Journal*, 59(7): 791-795
- Anderson, S.L., Singh, B. 2018. Equine neutrophils and their role in ischemia reperfusion injury and lung inflammation. *Cell and Tissue Research*, 371(3): 639-648. <https://www.doi.org/10.1007/s00441-017-2770-1>
- Anderson, S.L., Townsend, H.G.G., Singh, B. 2018. Role of toll-like receptor 4 and caspase-3,-8, and-9 in lipopolysaccharide-induced delay of apoptosis in equine neutrophils. *American Journal of Veterinary Research*, 79(4): 424-432. <https://www.doi.org/10.2460/ajvr.79.4.424>
- Aoki, K., Waldner, C.L., Sathya, S., Shmon, C. 2018. Effect of bipolar radiofrequency energy on canine stifle joint fluid temperature. *Veterinary and Comparative Orthopaedics and Traumatology*, 31(3): 188-193. <https://www.doi.org/10.1055/s-0038-1639595>

- Aulakh, G.K. 2018. Neutrophils in the lung: “the first responders”. *Cell and Tissue Research*, 371(3): 577-588. <https://www.doi.org/10.1007/s00441-017-2748-z>
- Aulakh, G.K., Kuebler, W.M., Singh, B., Chapman, D. 2018. Visualization of rib and diaphragm motion in an anaesthetized mouse by live animal synchrotron imaging. *2017 IEEE Nuclear Science Symposium and Medical Imaging Conference, NSS/MIC 2017 - Conference Proceedings*, 8533101. <https://www.doi.org/10.1109/NSSMIC.2017.8533101>
- Aulakh, G.K., Mann, A., Belev, G., Wiebe, S., Kuebler, W.M., Singh, B., Chapman, D. 2018. Multiple image x-radiography for functional lung imaging. *Physics in Medicine and Biology*, 63(1): 15009. <https://www.doi.org/10.1088/1361-6560/aa9904>
- Aulakh, G.K., Petri, B., Wojcik, K.M., Colarusso, P., Lee, J.J., Patel, K.D. 2018. Inhibiting focal adhesion kinase (FAK) blocks IL-4 induced VCAM-1 expression and eosinophil recruitment *in vitro* and *in vivo*. *Journal of Leukocyte Biology*, 104(1): 147-158. <https://www.doi.org/10.1002/JLB.3MA1117-429R>
- Aulakh, G.K., Singh, B., Chapman, D. 2018. Visualization of rib and diaphragm motion in an anaesthetized mouse by live animal synchrotron. *2017 IEEE Nuclear Science Symposium and Medical Imaging Conference, NSS/MIC 2017 - Conference Proceedings*, 8533075. <https://www.doi.org/10.1109/NSSMIC.2017.8533075>
- Avramenko, R.W., Bras, A., Redman, E.M., Woodbury, M.R., Wagner, B., Shury, T., Liccioli, S., Windeyer, M.C., Gilleard, J.S. 2018. High species diversity of trichostrongyle parasite communities within and between Western Canadian commercial and conservation bison herds revealed by nemabiome metabarcoding. *Parasites and Vectors*, 11(1): 299. <https://www.doi.org/10.1186/s13071-018-2880-y>
- Awang-Junaidi, A.H., Honaramooz, A. 2018. Optimization of culture conditions for short-term maintenance, proliferation, and colony formation of porcine gonocytes. *Journal of Animal Science and Biotechnology*, 9(1): 8. <https://www.doi.org/10.1186/s40104-017-0222-0>
- Banerjee, A., Falzarano, D., Misra, V. 2018. Caution: Choice of fixative can influence the visualization of the location of a transcription factor in mammalian cells. *BioTechniques*, 65(2): 65-69. <https://www.doi.org/10.2144/BTN-2018-0060>
- Banerjee, A., Misra, V., Schountz, T., Baker, M.L. 2018. Tools to study pathogen-host interactions in bats. *Virus Research*, 248: 5-12. <https://www.doi.org/10.1016/j.virusres.2018.02.013>
- Bao, V.W.W., Ho, K.K.Y., Lai, K.K.Y., Mak, Y.K.Y., Mak, E.P.Y., Zhou, G.-J., Giesy, J.P., Leung, K.M.Y. 2018. Water–effect ratio of copper and its application on setting site-specific water quality criteria for protecting marine ecosystems of Hong Kong. *Environmental Science and Pollution Research*, 25(4): 3170-3182. <https://www.doi.org/10.1007/s11356-017-9428-0>
- Barkema, H.W., Orsel, K., Ritter, C., Schuster, J., Corbett, C.S., Wolf, R., Roche, S., Bauman, C., Barker, R.A., Fecteau, G., Luby, C., Keefe, G.P., McKenna, S.L.B., Kastelic, J.P., De Buck, J., Kelton, D.F. 2018. Lessons learned from Canadian Johne’s disease programs. *Bulletin of the International Dairy Federation*, 493: 57-66.
- Beck, K., Singh, J., Dar, M.A., Anzar, M. 2018. Short-term culture of adult bovine ovarian tissues: Chorioallantoic membrane (CAM) vs. traditional *in vitro* culture systems. *Reproductive Biology and Endocrinology*, 16(1): 21. <https://www.doi.org/10.1186/s12958-018-0337-y>
- Belotta, A.F., Teixeira, C.R., Padovani, C.R., Rahal, S.C., Mayer, M.N., Mamprim, M.J. 2018. Sonographic evaluation of liver hemodynamic indices in overweight and obese dogs. *Journal of Veterinary Internal Medicine*, 32(1): 181-187. <https://www.doi.org/10.1111/jvim.14883>
- Beninger, C., Naqvi, S.A., Naushad, S., Orsel, K., Luby, C., Derakhshani, H., Khafipour, E., De Buck, J. 2018. Associations between digital dermatitis lesion grades in dairy cattle and the quantities of four *Treponema* species. *Veterinary Research*, 49(1): 111. <https://www.doi.org/10.1186/s13567-018-0605-z>
- Bermedo-Carrasco, S., Bharadwaj, L., Waldner, C.L. 2018. Factors associated with drinking and being satisfied with tap water in Indigenous communities in Saskatchewan, Canada. *International Journal of Circumpolar Health*, 77(1): 1466605. <https://www.doi.org/10.1080/22423982.2018.1466605>

- Bertolini, F., Yang, T., Huang, Y., Harding, J.C.S., Plastow, G.S., Rothschild, M.F. 2018. Genomic investigation of porcine periweaning failure to thrive syndrome (PFTS). *Veterinary Record*, 183(3). <https://www.doi.org/10.1136/vr.104825>
- Bertucci, J.I., Tovar, M.O., Unniappan, S., Navarro, J.C., Canosa, L.F. 2018. Effects of dietary sunflower oil on growth parameters, fatty acid profiles and expression of genes regulating growth and metabolism in the pejerrey (*Odontesthes bonariensis*) fry. *Aquaculture Nutrition*, 24(2): 748-757. <https://www.doi.org/10.1111/anu.12603>
- Bhatt, K., Timsit, E., Rawlyk, N., Potter, A., Liljebjelke, K. 2018. Integrative conjugative element ICEHs1 encodes for antimicrobial resistance and metal tolerance in *Histophilus somni*. *Frontiers in Veterinary Science*, 5: 153. <https://www.doi.org/10.3389/fvets.2018.00153>
- Biggar, K.K., Luu, B.E., Wu, C.W., Pifferi, F., Perret, M., Storey, K.B. 2018. Identification of novel and conserved microRNA and their expression in the gray mouse lemur, *Microcebus murinus*, a primate capable of daily torpor. *Gene*, 677: 332-339. <https://www.doi.org/10.1016/j.gene.2018.08.014>
- Blanco, A.M., Sundarajan, L., Bertucci, J.I., Unniappan, S. 2018. Why goldfish? Merits and challenges in employing goldfish as a model organism in comparative endocrinology research. *General and Comparative Endocrinology*, 257: 13-28. <https://www.doi.org/10.1016/j.ygcen.2017.02.001>
- Blanco, A.M., Velasco, C., Bertucci, J.I., Soengas, J.L., Unniappan, S. 2018. Nesfatin-1 regulates feeding, glucosensing and lipid metabolism in rainbow trout. *Frontiers in Endocrinology*, 9: 484. <https://www.doi.org/10.3389/fendo.2018.00484>
- Bó, G.A., Mapletoft, R.J. 2018. Embryo transfer technology in cattle. *Animal Biotechnology 1: Reproductive Biotechnologies*, 107-133. https://www.doi.org/10.1007/978-3-319-92327-7_5
- Bó, G.A., Rogan, D.R., Mapletoft, R.J. 2018. Pursuit of a method for single administration of pFSH for superstimulation in cattle: What we have learned. *Theriogenology*, 112: 26-33. <https://www.doi.org/10.1016/j.theriogenology.2017.09.034>
- Bogle, O.A., Carrasco, R.A., Ratto, M.H., Singh, J., Adams, G.P. 2018. Source and localization of ovulation-inducing factor/nerve growth factor in male reproductive tissues among mammalian species. *Biology of Reproduction*, 99(6): 1194-1204. <https://www.doi.org/10.1093/biolre/iow149>
- Boissonneault, C., Epp, T. 2018. Reflections on the provision of veterinary services to underserved regions: A case example using northern Manitoba, Canada. *Canadian Veterinary Journal*, 59(5): 491-499.
- Bonina, S.M.C., Codling, G., Corcoran, M.B., Guo, J., Giesy, J.P., Li, A., Sturchio, N.C., Rockne, K.J. 2018. Temporal and spatial differences in deposition of organic matter and black carbon in Lake Michigan sediments over the period 1850–2010. *Journal of Great Lakes Research*, 44(4): 705-715. <https://www.doi.org/10.1016/j.jglr.2018.03.001>
- Bouillon, J., Snead, E., Caswell, J., Feng, C., Hélie, P., Lemetayer, J. 2018. Pyelonephritis in dogs: Retrospective study of 47 histologically diagnosed cases (2005–2015). *Journal of Veterinary Internal Medicine*, 32(1): 249-259. <https://www.doi.org/10.1111/jvim.14836>
- Bracamonte, J.L., Devick, I., Thomas, K.L., Hendrick, S. 2018. Comparison of hand-sewn and oversewn stapled jejunojejunal anastomoses in horses. *Canadian Veterinary Journal*, 59(1): 67-73.
- Bradford, L., Waldner, C., McLaughlin, K., Zagozewski, R., Bharadwaj, L. 2018. A mixed-method examination of risk factors in the truck-to-cistern drinking water system on the Beardy's and Okemasis First Nation Reserve, Saskatchewan. *Canadian Water Resources Journal*, 43(4): 383-400. <https://www.doi.org/10.1080/07011784.2018.1474139>
- Brinkmann, M., Hecker, M., Giesy, J.P., Jones, P.D., Ratte, H.T., Hollert, H., Preuss, T.G. 2018. Generalized concentration addition accurately predicts estrogenic potentials of mixtures and environmental samples containing partial agonists. *Toxicology in Vitro*, 46: 294-303. <https://www.doi.org/10.1016/j.tiv.2017.10.022>
- Brown, G.E., Chuard, P.J.C., Demers, E.E.M., Ramnarine, I.W., Chivers, D.P., Ferrari, M.C.O. 2018. Personality and the retention of neophobic predator avoidance in wild caught Trinidadian guppies. *Behaviour*, 155(4): 265-278. <https://www.doi.org/10.1163/1568539X-00003488>

- Card, C. 2018. Non-surgical embryo transfer technique and recipient mare pregnancy rate. *Veterinary Record*, 183(10): 320-322. <https://www.doi.org/10.1136/vr.k3700>
- Card, C., Epp, T., Lem, M. 2018. Exploring the social determinants of animal health. *Journal of Veterinary Medical Education*, 45(4): 437-447. <https://www.doi.org/10.3138/jvme.0317-047r>
- Carmalt, J.L., Henderson, K.V., Rawlinson, J.E., Waldner, C.L. 2018. Use of crown height of the maxillary first molar tooth to approximate the age of horses. *American Journal of Veterinary Research*, 79(8): 867-873. <https://www.doi.org/10.2460/ajvr.79.8.867>
- Carmalt, J.L., Mortazavi, S., McOnie, R.C., Allen, A.L., Unniappan, S. 2018. Profiles of pro-opiomelanocortin and encoded peptides, and their processing enzymes in equine pituitary pars intermedia dysfunction. *PLoS ONE*, 13(1): e0190796. <https://www.doi.org/10.1371/journal.pone.0190796>
- Carmalt, J.L., Scansen, B.A. 2018. Development of two surgical approaches to the pituitary gland in the Horse. *Veterinary Quarterly*, 38(1): 21-27. <https://www.doi.org/10.1080/01652176.2017.1415488>
- Carrasco, R.A., Singh, J., Adams, G.P. 2018. Distribution and morphology of gonadotropin-releasing hormone neurons in the hypothalamus of an induced ovulator – The llama (*Lama glama*). *General and Comparative Endocrinology*, 263: 43-50. <https://www.doi.org/10.1016/j.ygcen.2018.04.011>
- Carrasco, R.A., Singh, J., Adams, G.P. 2018. The relationship between gonadotropin releasing hormone and ovulation inducing factor/nerve growth factor receptors in the hypothalamus of the llama. *Reproductive Biology and Endocrinology*, 16(1): 83. <https://www.doi.org/10.1186/s12958-018-0402-6>
- Carrozzo, M.V., Alcorn, J., Ambros, B. 2018. Effects of two fentanyl constant rate infusions on thermal thresholds and plasma fentanyl concentrations in awake cats. *Veterinary Anaesthesia and Analgesia*, 45(6): 831-838. <https://www.doi.org/10.1016/j.vaa.2018.06.006>
- Cattet, M., Stenhouse, G.B., Boulanger, J., Janz, D.M., Kapronczai, L., Swenson, J.E., Zedrosser, A. 2018. Can concentrations of steroid hormones in brown bear hair reveal age class? *Conservation Physiology*, 6(1): coy001. <https://www.doi.org/10.1093/conphys/coy001>
- Caudal, V., Whitty, J., Snead, E.C.R., Starrak, G.S. 2018. Noncardiogenic pulmonary edema associated with ozone exposure in three kittens. *Journal of the American Veterinary Medical Association*, 253(10): 1328-1333. <https://www.doi.org/10.2460/javma.253>. <https://www.doi.org/10.1328>
- Cayol, C., Giermek, A., Gomez-Chamorro, A., Hytönen, J., Kallio, E.R., Mappes, T., Salo, J., Voordouw, M.J., Koskela, E. 2018. *Borrelia afzelii* alters reproductive success in a rodent host. *Proceedings of the Royal Society B: Biological Sciences*, 285(1884): 20181056. <https://www.doi.org/10.1098/rspb.2018.1056>
- Charrier, N.P., Couton, M., Voordouw, M.J., Rais, O., Durand-Hermouet, A., Hervet, C., Plantard, O., Risper, C. 2018. Whole body transcriptomes and new insights into the biology of the tick *Ixodes ricinus*. *Parasites and Vectors*, 11(1): 364. <https://www.doi.org/10.1186/s13071-018-2932-3>
- Chen, L., Giesy, J.P., Xie, P. 2018. The dose makes the poison. *Science of the Total Environment*, 621: 649-653. <https://www.doi.org/10.1016/j.scitotenv.2017.11.218>
- Chen, L., Lam, J.C.W., Hu, C., Tsui, M.M.P., Wang, Q., Giesy, J.P., Lam, P.K.S. 2018. Perfluorobutanesulfonate exposure causes durable and transgenerational dysbiosis of gut microbiota in marine medaka. *Environmental Science and Technology Letters*, 5(12): 731-738. <https://www.doi.org/10.1021/acs.estlett.8b00597>
- Chen, L., Wang, Y., Giesy, J.P., Chen, F., Shi, T., Chen, J., Xie, P. 2018. Microcystin-LR affects the hypothalamic-pituitary-inter-renal (HPI) axis in early life stages (embryos and larvae) of zebrafish. *Environmental Pollution*, 241: 540-548. <https://www.doi.org/10.1016/j.envpol.2018.05.024>

- Chih, A., Rudloff, E., Waldner, C., Linklater, A.K.J. 2018. Incidence of hypochloremic metabolic alkalosis in dogs and cats with and without nasogastric tubes over a period of up to 36 hours in the intensive care unit. *Journal of Veterinary Emergency and Critical Care*, 28(3): 244-251. <https://www.doi.org/10.1111/vec.12720>
- Ciwko, E., Sadar, M.J., Bennett, K., Linn, K. 2018. Transfixation pin splinting as an alternative external coaptation method in domestic rabbit (*Oryctolagus cuniculus*) long bone fractures. *Journal of Exotic Pet Medicine*, 27(4): 31-37. <https://www.doi.org/10.1053/j.jepm.2017.09.004>
- Codling, G., Hosseini, S., Corcoran, M.B., Bonina, S., Lin, T., Li, A., Sturchio, N.C., Rockne, K.J., Ji, K., Peng, H., Giesy, J.P. 2018. Current and historical concentrations of poly and perfluorinated compounds in sediments of the northern Great Lakes – Superior, Huron, and Michigan. *Environmental Pollution*, 236: 373-381. <https://www.doi.org/10.1016/j.envpol.2018.01.065>
- Codling, G., Nagggar, Y.A., Giesy, J.P., Robertson, A.J. 2018. Neonicotinoid insecticides in pollen, honey and adult bees in colonies of the European honey bee (*Apis mellifera* L.) in Egypt. *Ecotoxicology*, 27(2): 122-131. <https://www.doi.org/10.1007/s10646-017-1876-2>
- Codling, G., Sturchio, N.C., Rockne, K.J., Li, A., Peng, H., Tse, T.J., Jones, P.D., Giesy, J.P. 2018. Spatial and temporal trends in poly- and per-fluorinated compounds in the Laurentian Great Lakes Erie, Ontario and St. Clair. *Environmental Pollution*, 237: 396-405. <https://www.doi.org/10.1016/j.envpol.2018.02.013>
- Colazo, M.G., Whittaker, P., Macmillan, K., Bignell, D., Boender, G., de Carvalho Guimaraes, R., Mapletoft, R.J. 2018. Evaluation of a modified GnRH-based timed-AI protocol associated with estrus detection in beef heifers inseminated with sex-selected or conventional semen. *Theriogenology*, 118: 90-95. <https://www.doi.org/10.1016/j.theriogenology.2018.05.037>
- Corbett, C.S., Naqvi, S.A., Bauman, C.A., De Buck, J., Orsel, K., Uehlinger, F., Kelton, D.F., Barkema, H.W. 2018. Prevalence of *Mycobacterium avium* ssp. paratuberculosis infections in Canadian dairy herds. *Journal of Dairy Science*, 101(12): 11218-11228. <https://www.doi.org/10.3168/jds.2018-14854>
- Corcoran, M., Sherif, M.I., Smalley, C., Li, A., Rockne, K.J., Giesy, J.P., Sturchio, N.C. 2018. Accumulation rates, focusing factors, and chronologies from depth profiles of 210Pb and 137Cs in sediments of the Laurentian Great Lakes. *Journal of Great Lakes Research*, 44(4): 693-704. <https://www.doi.org/10.1016/j.jglr.2018.05.013>
- Cosford, K.L. 2018. *Brucella canis*: An update on research and clinical management. *Canadian Veterinary Journal*, 59(1): 74-81.
- Costa, M.O., Hill, J.E., Dame, M.K., Harding, J.C.S. 2018. *In vitro* porcine colon culture. *Methods in Molecular Biology*, 1817: 185-195. https://www.doi.org/10.1007/978-1-4939-8600-2_18
- Cowan, V.E., Neumann, A., McKinnon, J., Blakley, B.R., Grusie, T.J., Singh, J. 2018. Arterial responses to acute low-level ergot exposure in Hereford cows. *Frontiers in Veterinary Science*, 5: 240. <https://www.doi.org/10.3389/fvets.2018.00240>
- Crane, A.L., Bairos-Novak, K.R., Sacco, L.H., Ferrari, M.C.O. 2018. The socially mediated recovery of a fearful fish paired with periodically replaced calm models. *Proceedings of the Royal Society B: Biological Sciences*, 285(1888): 20180739. <https://www.doi.org/10.1098/rspb.2018.0739>
- Crane, A.L., Chivers, D.P., Ferrari, M.C.O. 2018. Embryonic background risk promotes the survival of tadpoles facing surface predators. *PLoS ONE*, 13(3): e0193939. <https://www.doi.org/10.1371/journal.pone.0193939>
- Crane, A.L., Helton, E.J., Ferrari, M.C.O., Mathis, A. 2018. Learning to find food: evidence for embryonic sensitization and juvenile social learning in a salamander. *Animal Behaviour*, 142: 199-206. <https://www.doi.org/10.1016/j.anbehav.2018.06.021>
- Damiran, D., Larson, K.A., Pearce, L.T., Erickson, N.E., Lardner, B.H.A. 2018. Effect of calving period on beef cow longevity and lifetime productivity in western Canada. *Translational Animal Science*, 2: S61-S65. <https://www.doi.org/10.1093/tas/txy020>

Davy, C.M., Donaldson, M.E., Subudhi, S., Rapin, N., Warnecke, L., Turner, J.M., Bollinger, T.K., Kyle, C.J., Dorville, N.A.S.-Y., Kunkel, E.L., Norquay, K.J.O., Dzal, Y.A., Willis, C.K.R., Misra, V. 2018. White-nose syndrome is associated with increased replication of a naturally persisting coronaviruses in bats. *Scientific Reports*, 8(1): 15508.

<https://www.doi.org/10.1038/s41598-018-33975-x>

Davy, C.M., Donaldson, M.E., Willis, C.K.R., Saville, B.J., McGuire, L.P., Mayberry, H., Wilcox, A., Wibbelt, G., Misra, V., Kyle, C.J. 2018. Environmentally persistent pathogens present unique challenges for studies of host–pathogen interactions: Reply to Field (2018). *Ecology and Evolution*, 8(11): 5238-5241.

<https://www.doi.org/10.1002/ece3.4035>

Dehghani Darmian, M., Hashemi Monfared, S.A., Azizyan, G., Snyder, S.A., Giesy, J.P. 2018. Assessment of tools for protection of quality of water: Uncontrollable discharges of pollutants. *Ecotoxicology and Environmental Safety*, 161: 190-197.

<https://www.doi.org/10.1016/j.ecoenv.2018.05.087>

Dias, F.C.F., Khan, M.I.R., Sirard, M.A., Adams, G.P., Singh, J. 2018. Transcriptome analysis of granulosa cells after conventional vs long FSH-induced superstimulation in cattle. *BMC Genomics*, 19(1): 258.

<https://www.doi.org/10.1186/s12864-018-4642-9>

Diel de Amorim, M., Chenier, T.S., Card, C., Back, B., McClure, J.T., Hanna, P. 2018. Treatment of hydropsical conditions using transcervical gradual fetal fluid drainage in mares with or without concurrent abdominal wall disease. *Journal of Equine Veterinary Science*, 64: 81-88.

<https://www.doi.org/10.1016/j.jevs.2018.02.021>

Dodd, W., Tang, L., Lone, J.-C., Wimberly, K., Wu, C.-W., Consalvo, C., Wright, J.E., Pujol, N., Choe, K.P. 2018. A damage sensor associated with the cuticle coordinates three core environmental stress responses in *Caenorhabditis elegans*.

Genetics, 208(4): 1467-1482. <https://www.doi.org/10.1534/genetics.118.300827>

Doering, J.A., Wiseman, S., Giesy, J.P., Hecker, M. 2018. A Cross-species quantitative adverse outcome pathway for activation of the aryl hydrocarbon receptor leading to early life stage mortality in birds and fishes. *Environmental Science and Technology*, 52(13): 7524-7533.

<https://www.doi.org/10.1021/acs.est.8b01438>

Dowling, T. 2018. Compassion does not fatigue! *Canadian Veterinary Journal*, 59(7): 749-750.

Eichbaum, K., Brinkmann, M., Nuesser, L., Gembé, C., Ohlig, M., Buchinger, S., Reifferscheid, G., Hecker, M., Giesy, J.P., Hollert, H. 2018. *In vitro* tools for the toxicological evaluation of sediments and dredged materials: intra- and inter-laboratory comparisons of chemical and bioanalytical methods. *Environmental Science and Pollution Research*, 25(5): 4037-4050.

<https://www.doi.org/10.1007/s11356-017-0094-z>

Ellis, J., Gow, S., Berenik, A., Lacoste, S., Erickson, N. 2018. Comparative efficacy of modified-live and inactivated vaccines in boosting responses to bovine respiratory syncytial virus following neonatal mucosal priming of beef calves. *Canadian Veterinary Journal*, 59(12): 1311-1319.

Ellis, J.A., Chamorro, M.F., Lacoste, S., Gow, S.P., Haines, D.M. 2018. Bovine respiratory syncytial virus-specific IgG-1 in nasal secretions of colostrum-fed neonatal calves. *Canadian Veterinary Journal*, 59(5): 505-508.

Epp, T., Uehlinger, F.D., Wojnarowicz, C., Malhi, P.S., Sayi, S., Woodbury, M.R. 2018. Observations of mortality in farmed bison in the Canadian prairies: 2103 – 2016. *Preventive Veterinary Medicine*, 157: 1-7.

<https://www.doi.org/10.1016/j.prevetmed.2018.05.014>

Falcinelli, S., Rodiles, A., Hatef, A., Picchietti, S., Cossignani, L., Merrifield, D.L., Unniappan, S., Carnevali, O. 2018. Influence of probiotics administration on gut microbiota core a review on the effects on appetite control, glucose, and lipid metabolism. *Journal of Clinical Gastroenterology*, 52: S50-S56.

<https://www.doi.org/10.1097/MCG.0000000000001064>

Fan, V.C., Mayer, M.N., Sukut, S.L., Gustafson, N.R., Mauldin, G.N., Waldner, C.L. 2018. Retrospective survey of owners' experiences with palliative radiation therapy for pets. *Journal of the American Veterinary Medical Association*, 253(3): 307-314.

<https://www.doi.org/10.2460/javma.253.3.307>

- Feng, W., Wu, F., He, Z., Song, F., Zhu, Y., Giesy, J.P., Wang, Y., Qin, N., Zhang, C., Chen, H., Sun, F. 2018. Simulated bioavailability of phosphorus from aquatic macrophytes and phytoplankton by aqueous suspension and incubation with alkaline phosphatase. *Science of the Total Environment*, 616-617: 1431-1439. <https://www.doi.org/10.1016/j.scitotenv.2017.10.172>
- Fernandez, N.J., Wagg, C.R., Warren, A.L. 2018. Changes in student perceptions and study strategies over time in a veterinary clinical pathology course using case-based instruction. *Journal of Veterinary Medical Education*, 45(4): 544-555. <https://www.doi.org/10.3138/jvme.0317-038r>
- Ferrari, M.C.O., Brown, G.E., Chivers, D.P. 2018. Understanding the effect of uncertainty on the development of neophobic antipredator phenotypes. *Animal Behaviour*, 136: 101-106. <https://www.doi.org/10.1016/j.anbehav.2017.11.024>
- Ferrari, M.C.O., McCormick, M.I., Meekan, M.G., Simpson, S.D., Nedelec, S.L., Chivers, D.P. 2018. School is out on noisy reefs: The effect of boat noise on predator learning and survival of juvenile coral reef fishes. *Proceedings of the Royal Society B: Biological Sciences*, 285(1871): 20180033. <https://www.doi.org/10.1098/rspb.2018.0033>
- Fleenor, B.S., Ouyang, A., Olver, T.D., Hiemstra, J.A., Cobb, M.S., Minervini, G., Emter, C.A. 2018. Saxagliptin prevents increased coronary vascular stiffness in aortic-banded mini swine. *Hypertension*, 72(2): 466-475. <https://www.doi.org/10.1161/HYPERTENSIONAHA.118.10993>
- Freitas, A.C., Bocking, A., Hill, J.E., Money, D.M. 2018. Increased richness and diversity of the vaginal microbiota and spontaneous preterm birth. *Microbiome*, 6(1): 117. <https://www.doi.org/10.1186/s40168-018-0502-8>
- Freitas, A.C., Hill, J.E. 2018. Bifidobacteria isolated from vaginal and gut microbiomes are indistinguishable by comparative genomics. *PLoS ONE*, 13(4): e0196290. <https://www.doi.org/10.1371/journal.pone.0196290>
- Freitas, A.C., Hill, J.E. 2018. Draft genome sequences of Bifidobacterium strains N4G05 and N5G01, isolated from the human vaginal microbiome. *Genome Announcements*, 6(2): e01433-17. <https://www.doi.org/10.1128/genomeA.01433-17>
- Garg, R., Brownlie, R., Latimer, L., Gerdt, V., Potter, A., van Drunen Littel-van den Hurk, S. 2018. A chimeric glycoprotein formulated with a combination adjuvant induces protective immunity against both human respiratory syncytial virus and parainfluenza virus type 3. *Antiviral Research*, 158: 78-87. <https://www.doi.org/10.1016/j.antiviral.2018.07.021>
- Gaunt, M.C., Carr, A.P., Taylor, S.M. 2018. Serological survey of canine vector-borne diseases in Saskatchewan, Canada. *Canadian Veterinary Journal*, 59(10): 1109-1111.
- Genne, D., Sarr, A., Gomez-Chamorro, A., Durand, J., Cayol, C., Rais, O., Voordouw, M.J. 2018. Competition between strains of *Borrelia afzelii* inside the rodent host and the tick vector. *Proceedings of the Royal Society B: Biological Sciences*, 285(1890): 20181804. <https://www.doi.org/10.1098/rspb.2018.1804>
- Gole, V.L., Sierra-Alvarez, R., Peng, H., Giesy, J.P., Deymier, P., Keswani, M. 2018. Sono-chemical treatment of per- and poly-fluoroalkyl compounds in aqueous film-forming foams by use of a large-scale multi-transducer dual-frequency based acoustic reactor. *Ultrasonics Sonochemistry*, 45: 213-222. <https://www.doi.org/10.1016/j.ultsonch.2018.02.014>
- Grusie, T., Cowan, V., Singh, J., McKinnon, J., Blakley, B. 2018. Assessment of ergot (*Claviceps purpurea*) exposure in pregnant and postpartum beef cows. *Canadian Journal of Animal Science*, 98(4): 688-700. <https://www.doi.org/10.1139/cjas-2017-0098>
- Grusie, T., Cowan, V., Singh, J., McKinnon, J., Blakley, B. 2018. Proportions of predominant Ergot alkaloids (*Claviceps purpurea*) detected in Western Canadian grains from 2014 to 2016. *World Mycotoxin Journal*, 11(2): 259-264. <https://www.doi.org/10.3920/WMJ2017.2241>
- Guo, W., Fu, Z., Wang, H., Liu, S., Wu, F., Giesy, J.P. 2018. Removal of antimonate (Sb(V)) and antimonite (Sb(III)) from aqueous solutions by coagulation-flocculation-sedimentation (CFS): Dependence on influencing factors and insights into removal mechanisms. *Science of the Total Environment*, 644: 1277-1285. <https://www.doi.org/10.1016/j.scitotenv.2018.07.034>

- Guo, W., Fu, Z., Wang, H., Song, F., Wu, F., Giesy, J.P. 2018. Environmental geochemical and spatial/temporal behavior of total and speciation of antimony in typical contaminated aquatic environment from Xikuangshan, China. *Microchemical Journal*, 137: 181-189. <https://www.doi.org/10.1016/j.microc.2017.10.010>
- Gupta, A., Popowich, S., Ojkic, D., Kurukulasuriya, S., Chow-Lockerbie, B., Gunawardana, T., Goonewardene, K., Karunarathna, R., Ayalew, L.E., Ahmed, K.A., Tikoo, S.K., Willson, P., Gomis, S. 2018. Inactivated and live bivalent fowl adenovirus (FAdV8b + FAdV11) breeder vaccines provide broad-spectrum protection in chicks against inclusion body hepatitis (IBH). *Vaccine*, 36(5): 744-750. <https://www.doi.org/10.1016/j.vaccine.2017.12.047>
- Hasan, M.R., Crane, A.L., Ferrari, M.C.O., Chivers, D.P. 2018. A cross-modal effect of noise: the disappearance of the alarm reaction of a freshwater fish. *Animal Cognition*, 21(3): 419-424. <https://www.doi.org/10.1007/s10071-018-1179-x>
- Hasan, M.R., Crane, A.L., Poulin, N.P., Ferrari, M.C.O., Chivers, D.P. 2018. Altered acoustic environments influence boldness in minnows. *Applied Animal Behaviour Science*, 209: 109-113. <https://www.doi.org/10.1016/j.applanim.2018.08.020>
- Hassan, A., Arnold, B.M., Caine, S., Toosi, B.M., Verge, V.M.K., Muir, G.D. 2018. Acute intermittent hypoxia and rehabilitative training following cervical spinal injury alters neuronal hypoxia- and plasticity-associated protein expression. *PLoS ONE*, 13(5): e0197486. <https://www.doi.org/10.1371/journal.pone.0197486>
- He, Y., Zhang, Y., Martin, J.W., Alessi, D.S., Giesy, J.P., Goss, G.G. 2018. *In vitro* assessment of endocrine disrupting potential of organic fractions extracted from hydraulic fracturing flowback and produced water (HF-FPW). *Environment International*, 121: 824-831. <https://www.doi.org/10.1016/j.envint.2018.10.014>
- Hecker, M., Hollert, H., Cooper, R., Vinggaard, A.-M., Akahori, Y., Murphy, M., Nellemann, C., Higley, E., Newsted, J., Laskey, J., Buckalew, A., Grund, S., Maletz, S., Giesy, J., Timm, G. 2018. Erratum to: The OECD validation program of the H295R steroidogenesis assay: Phase 3. Final inter-laboratory validation study (*Environmental Science and Pollution Research*, (2011), 18, 3, (503-515), <https://www.doi.org/10.1007/s11356-010-0396-x>). *Environmental Science and Pollution Research*, 25(15): 15265-15267. <https://www.doi.org/10.1007/s11356-017-0321-7>
- Helguera, I.L., Whittaker, P., Behrouzi, A., Mapletoft, R.J., Colazo, M.G. 2018. Effect of initial GnRH and time of insemination on reproductive performance in cyclic and acyclic beef heifers subjected to a 5-d Co-synch plus progesterone protocol. *Theriogenology*, 106: 39-45. <https://www.doi.org/10.1016/j.theriogenology.2017.10.001>
- Hiemstra, J.A., Veteto, A.B., Lambert, M.D., Olver, T.D., Ferguson, B.S., McDonald, K.S., Emter, C.A., Domeier, T.L. 2018. Chronic low-intensity exercise attenuates cardiomyocyte contractile dysfunction and impaired adrenergic responsiveness in aortic-banded mini-swine. *Journal of Applied Physiology*, 124(4): 1034-1044. <https://www.doi.org/10.1152/jappphysiol.00840.2017>
- Holly, V.L., Zwicker, L.A., Starrak, G., Leis, M.L., Bauer, B.S., Osinchuk, S., Sandmeyer, L.S., Grahn, B.H. 2018. Odontogenic parakeratinized cyst resulting in exophthalmos and palatine, maxillary, and zygomatic bone erosion in a dog. *Veterinary Ophthalmology*, 21(5): 539-543. <https://www.doi.org/10.1111/vop.12538>
- Husulak, M.L., Manning, S.T., Meachem, M.D., Burgess, H.J., Epp, T.Y., Montgomery, J.B. 2018. Does antimicrobial therapy improve outcomes in horses with severe equine asthma and a positive tracheal wash bacterial culture? *Canadian Journal of Veterinary Research*, 82(3): 184-191.
- James, K., Peters, R.E., Cave, M.R., Wickstrom, M., Siciliano, S.D. 2018. *In vitro* prediction of polycyclic aromatic hydrocarbon bioavailability of 14 different incidentally ingested soils in juvenile swine. *Science of the Total Environment*, 618: 682-689. <https://www.doi.org/10.1016/j.scitotenv.2017.07.244>
- Jelinski, M., Marti, S., Janzen, E., Schwartzkopf-Genswein, K. 2018. A longitudinal investigation of an outbreak of toe tip necrosis syndrome in western Canadian feedlot cattle. *Canadian Veterinary Journal*, 59(11): 1202-1208.
- Jelinski, M., Waldner, C., Penner, G. 2018. Case-control study of mineral concentrations of hoof horn tissue derived from feedlot cattle with toe tip necrosis syndrome (toe necrosis). *Canadian Veterinary Journal*, 59(3): 254-260.

- Jelinski, M.D., Waldner, C. 2018. Changing demographics of the Canadian cow-calf industry for the period 2011 to 2016. *Canadian Veterinary Journal*, 59(9): 1001-1004.
- Johnson, L.A., Fernando, C., Harding, J.C.S., Hill, J.E. 2018. Characterization of *Brachyspira* communities from clinical cases of swine mucohaemorrhagic diarrhea through deep sequencing of the NADH oxidase (*nox*) gene. *Veterinary Microbiology*, 214: 81-88. <https://www.doi.org/10.1016/j.vetmic.2017.12.012>
- Jois, S., Chan, Y.B., Fernandez, M.P., Leung, A.K.-W. 2018. Characterization of the sexually dimorphic fruitless neurons that regulate copulation duration. *Frontiers in Physiology*, 9: 780. <https://www.doi.org/10.3389/fphys.2018.00780>
- Jurrissen, T.J., Olver, T.D., Winn, N.C., Grunewald, Z.I., Lin, G.S., Hiemstra, J.A., Edwards, J.C., Gastecki, M.L., Welly, R.J., Emter, C.A., Vieira-Potter, V.J., Padilla, J. 2018. Endothelial dysfunction occurs independently of adipose tissue inflammation and insulin resistance in ovariectomized Yucatan miniature-swine. *Adipocyte*, 7(1): 35-44. <https://www.doi.org/10.1080/21623945.2017.1405191>
- Käser, T., Renois, F., Wilson, H.L., Cnudde, T., Gerdt, V., Dillon, J.-A.R., Jungersen, G., Agerholm, J.S., Meurens, F. 2018. Contribution of the swine model in the study of human sexually transmitted infections. *Infection, Genetics and Evolution*, 66: 346-360. <https://www.doi.org/10.1016/j.meegid.2017.11.022>
- Kawamura, E., Hamilton, G.B., Miskiewicz, E.I., MacPhee, D.J. 2018. Fermitin family homolog-2 (FERMT2) is highly expressed in human placental villi and modulates trophoblast invasion. *BMC Developmental Biology*, 18(1): 19. <https://www.doi.org/10.1186/s12861-018-0178-0>
- Kerbel, B., Badal, K., Sundarajan, L., Blanco, A., Unniappan, S. 2018. Xenin is a novel anorexigen in goldfish (*Carassius auratus*). *PLoS ONE*, 13(5): e0197817. <https://www.doi.org/10.1371/journal.pone.0197817>
- Khim, J.S., Park, J., Song, S.J., Yoon, S.J., Noh, J., Hong, S., Kwon, B.-O., Ryu, J., Zhang, X., Wang, T., Lu, Y., Giesy, J.P. 2018. Chemical-, site-, and taxa-dependent benthic community health in coastal areas of the Bohai Sea and northern Yellow Sea: A sediment quality triad approach. *Science of the Total Environment*, 645: 743-752. <https://www.doi.org/10.1016/j.scitotenv.2018.07.169>
- Klima, C.L., Zaheer, R., Cook, S.R., Rasmussen, J., Alexander, T.W., Potter, A., Hendrick, S., McAllister, T.A. 2018. *In silico* identification and high throughput screening of antigenic proteins as candidates for a *Mannheimia haemolytica* vaccine. *Veterinary Immunology and Immunopathology*, 195: 19-24. <https://www.doi.org/10.1016/j.vetimm.2017.11.004>
- Kreuzer-Redmer, S., Arends, D., Schulte, J.N., Karweina, D., Korkuc, P., Wöltje, N., Hesse, D., Pieper, R., Gerdt, V., Zentek, J., Meurens, F., Brockmann, G.A. 2018. High dosage of zinc modulates T-cells in a time-dependent manner within porcine gut-associated lymphatic tissue. *British Journal of Nutrition*, 120(12): 1349-1358. <https://www.doi.org/10.1017/S0007114518002908>
- Lai, R.W.S., Yeung, K.W.Y., Yung, M.M.N., Djurišić, A.B., Giesy, J.P., Leung, K.M.Y. 2018. Regulation of engineered nanomaterials: current challenges, insights and future directions. *Environmental Science and Pollution Research*, 25(4): 3060-3077. <https://www.doi.org/10.1007/s11356-017-9489-0>
- Lam, M.M., Bülow, R., Engwall, M., Giesy, J.P., Larsson, M. 2018. Methylated PACs are more potent than their parent compounds: A study of aryl hydrocarbon receptor-mediated activity, degradability, and mixture interactions in the H4IIE-luc assay. *Environmental Toxicology and Chemistry*, 37(5): 1409-1419. <https://www.doi.org/10.1002/etc.4087>
- Larsson, M., Lam, M.M., van Hees, P., Giesy, J.P., Engwall, M. 2018. Occurrence and leachability of polycyclic aromatic compounds in contaminated soils: Chemical and bioanalytical characterization. *Science of the Total Environment*, 622-623: 1476-1484. <https://www.doi.org/10.1016/j.scitotenv.2017.12.015>
- Laughlin, H.M., Olver, D.T. 2018. Mechanisms of adaptation of the coronary circulation to exercise/exercise training. *Exercise and Sports Cardiology*, 1-3: 87-115. <https://www.doi.org/10.1142/q0045>

- Lebert, L., Martz, S.-L., Janecko, N., Deckert, A.E., Agunos, A., Reid, A., Rubin, J.E., Reid-Smith, R.J., McEwen, S.A. 2018. Prevalence and antimicrobial resistance among *Escherichia coli* and *Salmonella* in Ontario smallholder chicken flocks. *Zoonoses and Public Health*, 65(1): 134-141. <https://www.doi.org/10.1111/zph.12381>
- Lee, J., Hong, S., Kwon, B.-O., Cha, S.A., Jeong, H.-D., Chang, W.K., Ryu, J., Giesy, J.P., Khim, J.S. 2018. Integrated assessment of persistent toxic substances in sediments from Masan Bay, South Korea: Comparison between 1998 and 2014. *Environmental Pollution*, 238: 317-325. <https://www.doi.org/10.1016/j.envpol.2018.02.064>
- Legg-St Pierre, C.B., Mackova, M., Miskiewicz, E.I., Hemmings, D.G., Unniappan, S., Macphee, D.J. 2018. Insulinotropic nucleobindin-2/nesfatin-1 is dynamically expressed in the haemochorial mouse and human placenta. *Reproduction, Fertility and Development*, 30(3): 519-532. <https://www.doi.org/10.1071/RD16486>
- Leis, M.L., Sandmeyer, L.S. 2018. Diagnostic ophthalmology. *Canadian Veterinary Journal*, 59(9): 1017-1018.
- Leis, M.L., Sandmeyer, L.S. 2018. Diagnostic ophthalmology. *Canadian Veterinary Journal*, 59(11): 1227-1228.
- Leonardi, C.E.P., Dias, F.C.F., Adams, G.P., Singh, J. 2018. Effect of Kisspeptin-10 on plasma luteinizing hormone concentrations and follicular dynamics during the luteal phase in cattle. *Theriogenology*, 119: 268-274. <https://www.doi.org/10.1016/j.theriogenology.2018.06.023>
- Li, A., Guo, J., Li, Z., Lin, T., Zhou, S., He, H., Ranansinghe, P., Sturchio, N.C., Rockne, K.J., Giesy, J.P. 2018. Legacy polychlorinated organic pollutants in the sediment of the Great Lakes. *Journal of Great Lakes Research*, 44(4): 682-692. <https://www.doi.org/10.1016/j.jglr.2018.02.002>
- Li, D., Wu, N., Tang, S., Su, G., Li, X., Zhang, Y., Wang, G., Zhang, J., Liu, H., Hecker, M., Giesy, J.P., Yu, H. 2018. Factors associated with blooms of cyanobacteria in a large shallow lake, China. *Environmental Sciences Europe*, 30(1): 27. <https://www.doi.org/10.1186/s12302-018-0152-2>
- Li, N., Chen, X.-W., Deng, W.-J., Giesy, J.P., Zheng, H.-L. 2018. PBDEs and Dechlorane Plus in the environment of Guiyu, Southeast China: A historical location for E-waste recycling (2004, 2014). *Chemosphere*, 199: 603-611. <https://www.doi.org/10.1016/j.chemosphere.2018.02.041>
- Lim, R.R., Grant, D.G., Olver, T.D., Padilla, J., Czajkowski, A.M., Schnurbusch, T.R., Mohan, R.R., Hainsworth, D.P., Walters, E.M., Chaurasia, S.S. 2018. Young ossabaw pigs fed a western diet exhibit early signs of diabetic retinopathy. *Investigative Ophthalmology and Visual Science*, 59(6): 2325-2338. <https://www.doi.org/10.1167/iovs.17-23616>
- Liu, H., Ma, Z., Zhang, T., Yu, N., Su, G., Giesy, J.P., Yu, H. 2018. Pharmacokinetics and effects of tetrabromobisphenol a (TBBPA) to early life stages of zebrafish (*Danio rerio*). *Chemosphere*, 190: 243-252. <https://www.doi.org/10.1016/j.chemosphere.2017.09.137>
- Liu, N., Jin, X., Zhou, J., Wang, Y., Yang, Q., Wu, F., Giesy, J.P., Johnson, A.C. 2018. Predicted no-effect concentration (PNEC) and assessment of risk for the fungicide, triadimefon based on reproductive fitness of aquatic organisms. *Chemosphere*, 207: 682-689. <https://www.doi.org/10.1016/j.chemosphere.2018.05.093>
- Liu, S., Wu, F., Feng, W., Guo, W., Song, F., Wang, H., Wang, Y., He, Z., Giesy, J.P., Zhu, P., Tang, Z. 2018. Using dual isotopes and a Bayesian isotope mixing model to evaluate sources of nitrate of Tai Lake, China. *Environmental Science and Pollution Research*, 25(32): 32631-32639. <https://www.doi.org/10.1007/s11356-018-3242-1>
- Liu, S., Zhao, T., Zhu, Y., Qu, X., He, Z., Giesy, J.P., Meng, W. 2018. Molecular characterization of macrophyte-derived dissolved organic matters and their implications for lakes. *Science of the Total Environment*, 616-617: 602-613. <https://www.doi.org/10.1016/j.scitotenv.2017.10.289>
- Liu, S., Zhu, Y., Liu, L., He, Z., Giesy, J.P., Bai, Y., Sun, F., Wu, F. 2018. Cation-induced coagulation of aquatic plant-derived dissolved organic matter: Investigation by EEM-PARAFAC and FT-IR spectroscopy. *Environmental Pollution*, 234: 726-734. <https://www.doi.org/10.1016/j.envpol.2017.11.076>

- Liu, X., Jung, D., Zhou, K., Lee, S., Noh, K., Khim, J.S., Giesy, J.P., Yim, U.H., Shim, W.J., Choi, K. 2018. Characterization of endocrine disruption potentials of coastal sediments of Taean, Korea employing H295R and MVLN assays—Reconnaissance at 5 years after Hebei Spirit oil spill. *Marine Pollution Bulletin*, 127: 264-272.
<https://www.doi.org/10.1016/j.marpolbul.2017.11.055>
- Liu, X., Tang, J., Wang, L., Giesy, J.P. 2018. Mechanisms of oxidative stress caused by CuO nanoparticles to membranes of the bacterium *Streptomyces coelicolor* M145. *Ecotoxicology and Environmental Safety*, 158: 123-130.
<https://www.doi.org/10.1016/j.ecoenv.2018.04.007>
- Loewen, J.M., Cianciolo, R.E., Zhang, L., Yaeger, M., Ward, J.L., Smith, J.D., LeVine, D.N. 2018. Concurrent renal amyloidosis and thymoma resulting in a fatal ventricular thrombus in a dog. *Journal of Veterinary Internal Medicine*, 32(3): 1160-1165.
<https://www.doi.org/10.1111/jvim.15062>
- Lönstedt, O.M., Ferrari, M.C.O., Chivers, D.P. 2018. Correction to: Lionfish predators use flared fin displays to initiate cooperative hunting (*Biology Letters* (2014) 10 (20140281) DOI: <https://www.doi.org/10.1098/rsbl.2014.0281>). *Biology Letters*, 14(11): 20180716. <https://www.doi.org/10.1098/rsbl.2018.0716>
- Lucon-Xiccato, T., Ferrari, M.C.O., Chivers, D.P., Bisazza, A. 2018. Odour recognition learning of multiple predators by amphibian larvae. *Animal Behaviour*, 140: 199-205. <https://www.doi.org/10.1016/j.anbehav.2018.04.022>
- Magiri, R., Lai, K., Chaffey, A., Zhou, Y., Pyo, H.-M., Gerdtts, V., Wilson, H.L., Mutwiri, G. 2018. Intradermal immunization with inactivated swine influenza virus and adjuvant polydi(sodium carboxylatoethylphenoxy)phosphazene (PCEP) induced humoral and cell-mediated immunity and reduced lung viral titres in pigs. *Vaccine*, 36(12): 1606-1613.
<https://www.doi.org/10.1016/j.vaccine.2018.02.026>
- Majcher, K., Eichorn, D., Waldner, C., Johnston, J., Clark, C., Jelinski, M. 2018. Assessing the sharpness of hypodermic needles after repeated use. *Canadian Veterinary Journal*, 59(10): 1112-1114.
- Mapletoft, R.J., Bó, G.A., Baruselli, P.S., Menchaca, A., Sartori, R. 2018. Evolution of knowledge on ovarian physiology and its contribution to the widespread application of reproductive biotechnologies in South American cattle. *Animal Reproduction*, 15: 1003-1014. <https://www.doi.org/10.21451/1984-3143-AR2018-0007>
- Marti, S., Meléndez, D.M., Pajor, E.A., Moya, D., Gellatly, D., Janzen, E.D., Schwartzkopf-Genswein, K.S. 2018. Effect of a single dose of subcutaneous meloxicam prior to band or knife castration in 1-wk-old beef calves: II. Inflammatory response and healing. *Journal of Animal Science*, 96(10): 4136-4148. <https://www.doi.org/10.1093/jas/sky291>
- Mayer, M.N., Koehncke, N.K., Belotta, A.F., Cheveldae, I.T., Waldner, C.L. 2018. Use of personal protective equipment in a radiology room at a veterinary teaching hospital. *Veterinary Radiology and Ultrasound*, 59(2): 137-146.
<https://www.doi.org/10.1111/vru.12583>
- Mayer, M.N., Sweet, K.A., Patsikas, M.N., Sukut, S.L., Waldner, C.L. 2018. Frequency of an accessory popliteal efferent lymphatic pathway in dogs. *Veterinary Radiology and Ultrasound*, 59(3): 365-373. <https://www.doi.org/10.1111/vru.12600>
- McLeod, L., Bharadwaj, L., Epp, T.Y., Waldner, C.L. 2018. Ecological analysis of associations between groundwater quality and hypertension and cardiovascular disease in rural Saskatchewan, Canada using Bayesian hierarchical models and administrative health data. *Environmental Research*, 167: 329-340. <https://www.doi.org/10.1016/j.envres.2018.07.038>
- Meekan, M.G., McCormick, M.I., Simpson, S.D., Chivers, D.P., Ferrari, M.C.O. 2018. Never off the hook-how fishing subverts predator-prey relationships in marine teleosts. *Frontiers in Ecology and Evolution*, 6: 157.
<https://www.doi.org/10.3389/fevo.2018.00157>
- Mejia-Salazar, M.F., Waldner, C.L., Hwang, Y.T., Bollinger, T.K. 2018. Use of environmental sites by mule deer: A proxy for relative risk of chronic wasting disease exposure and transmission. *Ecosphere*, 9(1): e02055.
<https://www.doi.org/10.1002/ecs2.2055>

- Meléndez, D.M., Marti, S., Pajor, E.A., Moya, D., Gellatly, D., Janzen, E.D., Schwartzkopf-Genswein, K.S. 2018. Effect of a single dose of meloxicam prior to band or knife castration in 1-wk-old beef calves: I. Acute pain. *Journal of Animal Science*, 96(4): 1268-1280. <https://www.doi.org/10.1093/jas/sky034>
- Meléndez, D.M., Marti, S., Pajor, E.A., Moya, D., Gellatly, D., Janzen, E.D., Schwartzkopf-Genswein, K.S. 2018. Effect of subcutaneous meloxicam on indicators of acute pain and distress after castration and branding in 2-mo-old beef calves. *Journal of Animal Science*, 96(9): 3606-3621. <https://www.doi.org/10.1093/jas/sky245>
- Meléndez, D.M., Marti, S., Pajor, E.A., Sidhu, P.K., Gellatly, D., Moya, D., Janzen, E.D., Coetzee, J.F., Schwartzkopf-Genswein, K.S. 2018. Effect of meloxicam and lidocaine administered alone or in combination on indicators of pain and distress during and after knife castration in weaned beef calves. *PLoS ONE*, 13(11): e0207289. <https://www.doi.org/10.1371/journal.pone.0207289>
- Mensah, E.T., Blanco, A.M., Donini, A., Unniappan, S. 2018. Galanin decreases spontaneous resting contractions and potentiates acetyl choline-induced contractions of goldfish gut. *Neuropeptides*, 69: 92-97. <https://www.doi.org/10.1016/j.npep.2018.04.010>
- Misuno, E., Clark, C.R., Anderson, S.L., Jenkins, E., Wagner, B., Dembek, K., Petrie, L. 2018. Characteristics of parasitic egg shedding over a 1-year period in foals and their dams in 2 farms in central Saskatchewan. *Canadian Veterinary Journal*, 59(3): 284-292.
- Mitchell, M.D., Crane, A.L., Bairos-Novak, K.R., Ferrari, M.C.O., Chivers, D.P. 2018. Olfactory cues of habitats facilitate learning about landscapes of fear. *Behavioral Ecology*, 29(3): 693-700. <https://www.doi.org/10.1093/beheco/ary024>
- Mohammadzadeh, O., Giesy, J.P. 2018. The effect of IPC formulation on bitumen properties – An experimental study. *Journal of Petroleum Science and Engineering*, 170: 525-540. <https://www.doi.org/10.1016/j.petrol.2018.06.068>
- Montgomery, J.B., Husulak, M.L., Kosolofski, H., Dos Santos, S., Burgess, H., Meachem, M.D. 2018. Tumor necrosis factor-alpha protein concentrations in bronchoalveolar lavage fluid from healthy horses and horses with severe equine asthma. *Veterinary Immunology and Immunopathology*, 202: 70-73. <https://www.doi.org/10.1016/j.vetimm.2018.06.014>
- Morton, K.A., Hargreaves, L., Mortazavi, S., Weber, L.P., Blanco, A.M., Unniappan, S. 2018. Tissue-specific expression and circulating concentrations of nesfatin-1 in domestic animals. *Domestic Animal Endocrinology*, 65: 56-66. <https://www.doi.org/10.1016/j.domaniend.2018.04.006>
- Moya, D., Ferret, A., Blanch, M., Fuentes, M.C., Fandiño, J.I., Calsamiglia, S. 2018. Effects of live yeast (*Saccharomyces cerevisiae*) and type of cereal on rumen microbial fermentation in a dual flow continuous culture fermentation system. *Journal of Animal Physiology and Animal Nutrition*, 102(6): 1488-1496. <https://www.doi.org/10.1111/jpn.12975>
- Mu, Y., Wang, Z., Wu, F., Zhong, B., Yang, M., Sun, F., Feng, C., Jin, X., Leung, K.M.Y., Giesy, J.P. 2018. Model for predicting toxicities of metals and metalloids in coastal marine environments worldwide. *Environmental Science and Technology*, 52(7): 4199-4206. <https://www.doi.org/10.1021/acs.est.7b06654>
- Mund, S.J.K., Corbett, C., MacPhee, D.J., Campbell, J., Honaramooz, A., Wobeser, B., Barber, S.M. 2018. Identification of mRNA of the inflammation-associated proteins CXCL8, CXCR2, CXCL10, CXCR3, and β -Arrestin-2 in equine wounded cutaneous tissue: a preliminary study. *Journal of Equine Veterinary Science*, 68: 51-54. <https://www.doi.org/10.1016/j.jevs.2018.05.216>
- Naderi, M., Ferrari, M.C.O., Chivers, D.P., Niyogi, S. 2018. Maternal exposure to dietary selenium causes dopaminergic hyperfunction and cognitive impairment in zebrafish offspring. *Environmental Science and Technology*, 52(22): 13574-13583. <https://www.doi.org/10.1021/acs.est.8b04768>
- Naderi, M., Salahinejad, A., Ferrari, M.C.O., Niyogi, S., Chivers, D.P. 2018. Dopaminergic dysregulation and impaired associative learning behavior in zebrafish during chronic dietary exposure to selenium. *Environmental Pollution*, 237: 174-185. <https://www.doi.org/10.1016/j.envpol.2018.02.033>

- Nekouei, O., Checkley, S., Waldner, C., Smith, B.A., Invik, J., Carson, C., Avery, B., Sanchez, J., Gow, S. 2018. Exposure to antimicrobial-resistant *Escherichia coli* through the consumption of ground beef in Western Canada. *International Journal of Food Microbiology*, 272: 41-48. <https://www.doi.org/10.1016/j.ijfoodmicro.2018.02.022>
- Nicholas, B., Ravel, A., Leighton, P., Stephen, C., Iqbal, A., Ndao, M., Konecsni, K., Fernando, C., Jenkins, E. 2018. Foxes (*Vulpes vulpes*) as sentinels for parasitic zoonoses, *Toxoplasma gondii* and *Trichinella nativa*, in the northeastern Canadian Arctic. *International Journal for Parasitology: Parasites and Wildlife*, 7(3): 391-397. <https://www.doi.org/10.1016/j.ijppaw.2018.10.003>
- Nobrega, D.B., Naushad, S., Ali Naqvi, S., Condas, L.A.Z., Saini, V., Kastelic, J.P., Luby, C., De Buck, J., Barkema, H.W. 2018. Prevalence and genetic basis of antimicrobial resistance in non-aureus staphylococci isolated from Canadian dairy herds. *Frontiers in Microbiology*, 9: 256. <https://www.doi.org/10.3389/fmicb.2018.00256>
- Noh, J., Kim, H., Lee, C., Yoon, S.J., Chu, S., Kwon, B.-O., Ryu, J., Kim, J.-J., Lee, H., Yim, U.H., Giesy, J.P., Khim, J.S. 2018. Bioaccumulation of polycyclic aromatic hydrocarbons (PAHs) by the marine clam, *Mactra veneriformis*, chronically exposed to oil-suspended particulate matter aggregates. *Environmental Science and Technology*, 52(14): 7910-7920. <https://www.doi.org/10.1021/acs.est.7b06692>
- Novakovic, P., Detmer, S.E., Suleman, M., Malgarin, C.M., MacPhee, D.J., Harding, J.C.S. 2018. Histologic changes associated with placental separation in gilts infected with porcine reproductive and respiratory syndrome virus. *Veterinary Pathology*, 55(4): 521-530. <https://www.doi.org/10.1177/0300985818765067>
- Nyari, S., Khan, S.A., Rawlinson, G., Waugh, C.A., Potter, A., Gerdtts, V., Timms, P. 2018. Vaccination of koalas (*Phascolarctos cinereus*) against *Chlamydia pecorum* using synthetic peptides derived from the major outer membrane protein. *PLoS ONE*, 13(6): e0200112. <https://www.doi.org/10.1371/journal.pone.0200112>
- Olver, T.D., Edwards, J.C., Ferguson, B.S., Hiemstra, J.A., Thorne, P.K., Hill, M.A., Laughlin, M.H., Emter, C.A. 2018. Chronic interval exercise training prevents BKCa channel-mediated coronary vascular dysfunction in aortic-banded miniswine. *Journal of Applied Physiology*, 25(1): 86-96. <https://www.doi.org/10.1152/jappphysiol.01138.2017>
- Olver, T.D., Grunewald, Z.I., Jurrissen, T.J., MacPherson, R.E.K., Leblanc, P.J., Schnurbusch, T.R., Czajkowski, A.M., Laughlin, M.H., Rector, R.S., Bender, S.B., Walters, E.M., Emter, C.A., Padilla, J. 2018. Microvascular insulin resistance in skeletal muscle and brain occurs early in the development of juvenile obesity in pigs. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, 314(2): R252-R264. <https://www.doi.org/10.1152/ajpregu.00213.2017>
- Osinchuk, S., Grahn, B. 2018. Diagnostic ophthalmology. *Canadian Veterinary Journal*, 59(3): 315-316.
- Palomino, J.M., Jones, L., Vanhanen, T., Mastromonaco, G.F., Busato, R., Adams, G.P. 2018. Alpaca embryo transfer on a private Canadian farm. *Canadian Veterinary Journal*, 59(6): 631-634.
- Pederzolli, R.-L.A., Van Kessel, A.G., Campbell, J., Hendrick, S., Wood, K.M., Penner, G.B. 2018. Effect of ruminal acidosis and short-term low feed intake on indicators of gastrointestinal barrier function in Holstein steers. *Journal of Animal Science*, 96(1): 108-125. <https://www.doi.org/10.1093/jas/skx049>
- Perez, J.B.D.S., Fernando, C., Nosach, R.V., Huang, Y., Harding, J.C.S., Hill, J.E. 2018. *In vitro* attenuation of a virulent swine isolate of *Brachyspira hamptonii*. *Pathogens and Disease*, 76(1): ftx116. <https://www.doi.org/10.1093/femspd/ftx116>
- Perri, A.M., Poljak, Z., Dewey, C., Harding, J.C.S., O'Sullivan, T.L. 2018. An epidemiological investigation of the early phase of the porcine epidemic diarrhea (PED) outbreak in Canadian swine herds in 2014: A case-control study. *Preventive Veterinary Medicine*, 150: 101-109. <https://www.doi.org/10.1016/j.prevetmed.2017.12.009>
- Pettem, C.M., Briens, J.M., Janz, D.M., Weber, L.P. 2018. Cardiometabolic response of juvenile rainbow trout exposed to dietary selenomethionine. *Aquatic Toxicology*, 198: 175-189. <https://www.doi.org/10.1016/j.aquatox.2018.02.022>

Popowich, S., Gupta, A., Chow-Lockerbie, B., Ayalew, L., Ambrose, N., Ojkic, D., Gunawardana, T., Kurukulasuriya, S., Willson, P., Tikoo, S.K., Gomis, S. 2018. Broad spectrum protection of broiler chickens against inclusion body hepatitis by immunizing their broiler breeder parents with a bivalent live fowl adenovirus vaccine. *Research in Veterinary Science*, 118: 262-269. <https://www.doi.org/10.1016/j.rvsc.2018.03.003>

Qu, C., Wang, S., Ding, L., Zhang, M., Wang, D., Giesy, J.P. 2018. Spatial distribution, risk and potential sources of lead in soils in the vicinity of a historic industrial site. *Chemosphere*, 205: 244-252. <https://www.doi.org/10.1016/j.chemosphere.2018.04.119>

Ramsay, D.E., Invik, J., Checkley, S.L., Gow, S.P., Osgood, N.D., Waldner, C.L. 2018. Application of dynamic modelling techniques to the problem of antibacterial use and resistance: A scoping review. *Epidemiology and Infection*, 146(16): 2014-2027. <https://www.doi.org/10.1017/S0950268818002091>

Redman, A.D., Parkerton, T.F., Butler, J.D., Letinski, D.J., Frank, R.A., Hewitt, L.M., Bartlett, A.J., Gillis, P.L., Marentette, J.R., Parrott, J.L., Hughes, S.A., Guest, R., Bekele, A., Zhang, K., Morandi, G., Wiseman, S., Giesy, J.P. 2018. Application of the target lipid model and passive samplers to characterize the toxicity of bioavailable organics in oil sands process-affected water. *Environmental Science and Technology*, 52(14): 8039-8049. <https://www.doi.org/10.1021/acs.est.8b00614>

Register, K.B., Boatwright, W.D., Gesy, K.M., Thacker, T.C., Jelinski, M.D. 2018. Mistaken identity of an open reading frame proposed for PCR-based identification of *Mycoplasma bovis* and the effect of polymorphisms and insertions on assay performance. *Journal of Veterinary Diagnostic Investigation*, 30(4): 637-641. <https://www.doi.org/10.1177/1040638718764799>

Riaz, U., Hassan, M., Husnain, A., Naveed, M.I., Singh, J., Ahmad, N. 2018. Effect of timing of artificial insemination in relation to onset of standing estrus on pregnancy per AI in Nili-Ravi buffalo. *Animal Reproduction*, 15(4): 1231-1235. <https://www.doi.org/10.21451/1984-3143-AR2017-0015>

Rioja-Lang, F.C., Seddon, Y.M., Brown, J.A. 2018. Shoulder lesions in sows: A review of their causes, prevention, and treatment. *Journal of Swine Health and Production*, 26(2): 101-107.

Ruhala, S.S., Long, D.T., Vannier, R.G., Parsons, M.J., Giesy, J.P. 2018. Identification of the influence of distal inputs on mercury loading across the mid Great Lakes region using chemical sediment chronologies. *Chemosphere*, 213: 53-64. <https://www.doi.org/10.1016/j.chemosphere.2018.08.157>

Schurer, J.M., Bouchard, E., Bryant, A., Revell, S., Chavis, G., Lichtenwalner, A., Jenkins, E.J. 2018. Echinococcus in wild canids in Québec (Canada) and Maine (USA). *PLoS Neglected Tropical Diseases*, 12(8): e0006712. <https://www.doi.org/10.1371/journal.pntd.0006712>

Scuderi, M.A., Ribeiro Petito, M., Unniappan, S., Waldner, C., Mehain, S., McMillian, C.J., Snead, E.C. 2018. Safety and efficacy assessment of a GLP-1 mimetic: insulin glargine combination for treatment of feline diabetes mellitus. *Domestic Animal Endocrinology*, 65: 80-89. <https://www.doi.org/10.1016/j.domaniend.2018.04.003>

Senapathi, U.D.S., Abdul-Cader, M.S., Amarasinghe, A., van Marle, G., Czub, M., Gomis, S., Abdul-Careem, M.F. 2018. The *in ovo* delivery of CpG oligonucleotides protects against infectious bronchitis with the recruitment of immune cells into the respiratory tract of chickens. *Viruses*, 10(11): 635. <https://www.doi.org/10.3390/v10110635>

Sharma, R., Harms, N.J., Kukka, P.M., Parker, S.E., Gajadhar, A.A., Jung, T.S., Jenkins, E.J. 2018. Tongue has higher larval burden of *Trichinella* spp. than diaphragm in wolverines (*Gulo gulo*). *Veterinary Parasitology*, 253: 94-97. <https://www.doi.org/10.1016/j.vetpar.2018.02.032>

Shero, M.R., Bergfelt, D.R., Testa, J.W., Adams, G.P. 2018. Pairing ultrasonography with endocrinology to elucidate underlying mechanisms of successful pregnancy in the northern fur seal (*Callorhinus ursinus*). *General and Comparative Endocrinology*, 255: 78-89. <https://www.doi.org/10.1016/j.ygcen.2017.10.007>

Shirani, K., Zanjani, B.R., Mahmoudi, M., Jafarian, A.H., Hassani, F.V., Giesy, J.P., Karimi, G. 2018. Immunotoxicity of aflatoxin M1: as a potent suppressor of innate and acquired immune systems in a subacute study. *Journal of the Science of Food and Agriculture*, 98(15): 5884-5892. <https://www.doi.org/10.1002/jsfa.9240>

- Silva-Junior, E.A., Ruzzini, A.C., Paludo, C.R., Nascimento, F.S., Currie, C.R., Clardy, J., Pupo, M.T. 2018. Pyrazines from bacteria and ants: Convergent chemistry within an ecological niche. *Scientific Reports*, 8(1): 2595. <https://www.doi.org/10.1038/s41598-018-20953-6>
- Song, F., Wu, F., Feng, W., Tang, Z., Giesy, J.P., Guo, F., Shi, D., Liu, X., Qin, N., Xing, B., Bai, Y. 2018. Fluorescence regional integration and differential fluorescence spectroscopy for analysis of structural characteristics and proton binding properties of fulvic acid sub-fractions. *Journal of Environmental Sciences*, 74: 116-125. <https://www.doi.org/10.1016/j.jes.2018.02.015>
- Song, F., Wu, F., Xing, B., Li, T., Feng, W., Giesy, J.P., Guo, W., Wang, H., Liu, S., Bai, Y. 2018. Protonation-dependent heterogeneity in fluorescent binding sites in sub-fractions of fulvic acid using principle component analysis and two-dimensional correlation spectroscopy. *Science of the Total Environment*, 616-617: 1279-1287. <https://www.doi.org/10.1016/j.scitotenv.2017.10.190>
- Stanford, K., Swift, M.L., Wang, Y., McAllister, T.A., McKinnon, J., Blakley, B., Chaves, A.V. 2018. Effects of feeding a mycotoxin binder on nutrient digestibility, alkaloid recovery in feces, and performance of lambs fed diets contaminated with Cereal Ergot. *Toxins*, 10(8): 312. <https://www.doi.org/10.3390/toxins10080312>
- Su, C., Song, S., Lu, Y., Liu, S., Giesy, J.P., Chen, D., Jenkins, A., Sweetman, A.J., Yvette, B. 2018. Potential effects of changes in climate and emissions on distribution and fate of perfluorooctane sulfonate in the Bohai Rim, China. *Science of the Total Environment*, 613-614: 352-360. <https://www.doi.org/10.1016/j.scitotenv.2017.09.021>
- Subudhi, S., Dakouo, M., Sloan, A., Stein, D.R., Grolla, A., Jones, S., Dibernardo, A., Rosenke, K., Sas, M., Traore, A., Lindsay, R., Groschup, M.H., Misra, V., Feldmann, H., Sogoba, N., Safronetz, D., Niang, M. 2018. Seroprevalence of rift valley fever virus antibodies in cattle in Mali, 2005-2014. *American Journal of Tropical Medicine and Hygiene*, 98(3): 872-874. <https://www.doi.org/10.4269/ajtmh.17-0841>
- Subudhi, S., Rapin, N., Dorville, N., Hill, J.E., Town, J., Willis, C.K.R., Bollinger, T.K., Misra, V. 2018. Isolation, characterization and prevalence of a novel Gammaherpesvirus in *Eptesicus fuscus*, the North American big brown bat. *Virology*, 516: 227-238. <https://www.doi.org/10.1016/j.virol.2018.01.024>
- Suleman, M., Novakovic, P., Malgarin, C.M., Detmer, S.E., Harding, J.C.S., MacPhee, D.J. 2018. Spatiotemporal immunofluorescent evaluation of porcine reproductive and respiratory syndrome virus transmission across the maternal-fetal interface. *Pathogens and Disease*, 76(5). <https://www.doi.org/10.1093/femspd/fty060>
- Thomas, K.L., Carmalt, J.L., Burnett, W.D., Arjmand, H., Johnston, J.D. 2018. *In vitro* mechanical evaluation of three transfixation pin-cast constructs applied to equine forelimbs. *American Journal of Veterinary Research*, 79(12): 1287-1297. <https://www.doi.org/10.2460/ajvr.79.12.1277>
- Thornton, C.S., Rubin, J.E., Greninger, A.L., Peirano, G., Chiu, C.Y., Pillai, D.R. 2018. Epidemiological and genomic characterization of community-acquired *Clostridium difficile* infections. *BMC Infectious Diseases*, 18(1): 443. <https://www.doi.org/10.1186/s12879-018-3337-9>
- Toosi, B.M., El Zawily, A., Truitt, L., Shannon, M., Allonby, O., Babu, M., DeCoteau, J., Mousseau, D., Ali, M., Freywald, T., Gall, A., Vizeacoumar, F.S., Kirzinger, M.W., Geyer, C.R., Anderson, D.H., Kim, T.H., Welm, A.L., Siegel, P., Vizeacoumar, F.J., Kusalik, A., Freywald, A. 2018. EPHB6 augments both development and drug sensitivity of triple-negative breast cancer tumours. *Oncogene*, 37(30): 4073-4093. <https://www.doi.org/10.1038/s41388-018-0228-x>
- Trus, I., Darbellay, J., Huang, Y., Gilmour, M., Safronetz, D., Gerds, V., Karniyuchuk, U. 2018. Persistent Zika virus infection in porcine conceptuses is associated with elevated in utero cortisol levels. *Virulence*, 9(1): 1338-1343. <https://www.doi.org/10.1080/21505594.2018.1504558>
- Tse, T.J., Doig, L.E., Tang, S., Zhang, X., Sun, W., Wiseman, S.B., Feng, C.X., Liu, H., Giesy, J.P., Hecker, M., Jones, P.D. 2018. Combining high-throughput sequencing of sedaDNA and Traditional paleolimnological techniques to infer historical trends in cyanobacterial communities. *Environmental Science and Technology*, 52(12): 6842-6853. <https://www.doi.org/10.1021/acs.est.7b06386>

- Uehlinger, F.D., Wilkins, W., Godson, D.L., Drebot, M.A. 2018. Seroprevalence of Cache Valley virus and related viruses in sheep and other livestock from Saskatchewan, Canada. *Canadian Veterinary Journal*, 59(4): 413-418.
- Varughese, E.E., Adams, G.P., Leonardi, C.E.P., Malhi, P.S., Babyn, P., Kinloch, M., Singh, J. 2018. Development of a domestic animal model for endometriosis: Surgical induction in the dog, pigs, and sheep. *Journal of Endometriosis and Pelvic Pain Disorders*, 10(2): 95-106. <https://www.doi.org/10.1177/2284026518773942>
- Velasco, C., Blanco, A.M., Unniappan, S., Soengas, J.L. 2018. The anorectic effect of central PYY1-36 treatment in rainbow trout (*Oncorhynchus mykiss*) is associated with changes in mRNAs encoding neuropeptides and parameters related to fatty acid sensing and metabolism. *General and Comparative Endocrinology*, 267: 137-145. <https://www.doi.org/10.1016/j.ygcen.2018.06.015>
- Verhoef, J.N.C., Allen, A.L., Harding, J.C.S., Al-Dissi, A.N. 2018. Metallothionein expression in horses with chronic liver disease and its correlation with Ki-67 immunoreactivity. *Veterinary Pathology*, 55(5): 703-710. <https://www.doi.org/10.1177/0300985818777802>
- Wang, H., Zhao, X., Han, X., Tang, Z., Song, F., Zhang, S., Zhu, Y., Guo, W., He, Z., Guo, Q., Wu, F., Meng, X., Giesy, J.P. 2018. Colloidal stability of Fe₃O₄ magnetic nanoparticles differentially impacted by dissolved organic matter and cations in synthetic and naturally-occurred environmental waters. *Environmental Pollution*, 241: 912-921. <https://www.doi.org/10.1016/j.envpol.2018.06.029>
- Wang, Y., Sun, X., Fang, L., Li, K., Yang, P., Du, L., Ji, K., Wang, J., Liu, Q., Xu, C., Li, G., Giesy, J.P., Hecker, M. 2018. Genomic instability in adult men involved in processing electronic waste in Northern China. *Environment International*, 117: 69-81. <https://www.doi.org/10.1016/j.envint.2018.04.027>
- Wang, Y., Wu, F., Liu, Y., Mu, Y., Giesy, J.P., Meng, W., Hu, Q., Liu, J., Dang, Z. 2018. Effect doses for protection of human health predicted from physicochemical properties of metals/metalloids. *Environmental Pollution*, 232: 458-466. <https://www.doi.org/10.1016/j.envpol.2017.09.065>
- Warren, A.L., Donnon, T.L., Wagg, C.R., Priest, H., Fernandez, N.J. 2018. Quantifying novice and expert differences in visual diagnostic reasoning in veterinary pathology using eye-tracking technology. *Journal of Veterinary Medical Education*, 45(3): 295-306. <https://www.doi.org/10.3138/jvme.1115-187r>
- Winder, C.B., Bauman, C.A., Duffield, T.F., Barkema, H.W., Keefe, G.P., Dubuc, J., Uehlinger, F., Kelton, D.F. 2018. Canadian National Dairy Study: Heifer calf management. *Journal of Dairy Science*, 101(11): 10565-10579. <https://www.doi.org/10.3168/jds.2018-14680>
- Wood, M.E., Griebel, P., Huizenga, M.L., Lockwood, S., Hansen, C., Potter, A., Cashman, N., Mapletoft, J.W., Napper, S. 2018. Accelerated onset of chronic wasting disease in elk (*Cervus canadensis*) vaccinated with a PrP Sc -specific vaccine and housed in a prion contaminated environment. *Vaccine*, 36(50): 7737-7743. <https://www.doi.org/10.1016/j.vaccine.2018.10.057>
- Wood, S.C., Kozii, I.V., Koziy, R.V., Epp, T., Simko, E. 2018. Comparative chronic toxicity of three neonicotinoids on New Zealand packaged honey bees. *PLoS ONE*, 13(1): e0190517. <https://www.doi.org/10.1371/journal.pone.0190517>
- Wu, C.-W., Storey, K.B. 2018. Regulation of Smad mediated microRNA transcriptional response in ground squirrels during hibernation. *Molecular and Cellular Biochemistry*, 439(1-2): 151-161. <https://www.doi.org/10.1007/s11010-017-3144-4>
- Wu, C.-W., Tessier, S.N., Storey, K.B. 2018. Stress-induced antioxidant defense and protein chaperone response in the freeze-tolerant wood frog *Rana sylvatica*. *Cell Stress and Chaperones*, 23(6): 1205-1217. <https://www.doi.org/10.1007/s12192-018-0926-x>
- Xie, Y., Zhang, X., Yang, J., Kim, S., Hong, S., Giesy, J.P., Yim, U.H., Shim, W.J., Yu, H., Khim, J.S. 2018. eDNA-based bioassessment of coastal sediments impacted by an oil spill. *Environmental Pollution*, 238: 739-748. <https://www.doi.org/10.1016/j.envpol.2018.02.081>

- Yapura, M.J., Zwiefelhofer, E.M., Pierson, R.A., Adams, G.P. 2018. Aromatase inhibitors: A new approach for controlling ovarian function in cattle. *Theriogenology*, 112: 18-25. <https://www.doi.org/10.1016/j.theriogenology.2017.08.025>
- Zachar, E.K., Meachem, M.D., Philibert, H. 2018. Pathology in practice. *Journal of the American Veterinary Medical Association*, 252(2): 189-192. <https://www.doi.org/10.2460/javma.252.2.189>
- Zeng, X., Reist, R., Jelinski, M., Bath, B., Erickson, N., Clark, C., Trask, C. 2018. Musculoskeletal discomfort among Canadian bovine practitioners: Prevalence, impact on work, and perception of physically demanding tasks. *Canadian Veterinary Journal*, 59(8): 871-879.
- Zhang, L., Jin, Y., Han, Z., Liu, H., Shi, L., Hua, X., Doering, J.A., Tang, S., Giesy, J.P., Yu, H. 2018. Integrated in silico and in vivo approaches to investigate effects of BDE-99 mediated by the nuclear receptors on developing zebrafish. *Environmental Toxicology and Chemistry*, 37(3): 780-787. <https://www.doi.org/10.1002/etc.4000>
- Zhang, L., Xu, E.G., Li, Y., Liu, H., Vidal-Dorsch, D.E., Giesy, J.P. 2018. Ecological risks posed by ammonia nitrogen (AN) and un-ionized ammonia (NH₃) in seven major river systems of China. *Chemosphere*, 202: 136-144. <https://www.doi.org/10.1016/j.chemosphere.2018.03.098>
- Zhang, R., Wang, X., Zhang, X., Zhang, J., Zhang, X., Shi, X., Crump, D., Letcher, R.J., Giesy, J.P., Liu, C. 2018. Down-regulation of *hspb9* and *hspb11* contributes to wavy notochord in zebrafish embryos following exposure to polychlorinated diphenylsulfides. *Environmental Science and Technology*, 52(21): 12829-12840. <https://www.doi.org/10.1021/acs.est.8b04487>
- Zhao, X., Wang, H., Tang, Z., Zhao, T., Qin, N., Li, H., Wu, F., Giesy, J.P. 2018. Amendment of water quality standards in China: viewpoint on strategic considerations. *Environmental Science and Pollution Research*, 25(4): 3078-3092. <https://www.doi.org/10.1007/s11356-016-7357-y>
- Zhu, Y., Feng, W., Liu, S., He, Z., Zhao, X., Liu, Y., Guo, J., Giesy, J.P., Wu, F. 2018. Bioavailability and preservation of organic phosphorus in lake sediments: Insights from enzymatic hydrolysis and ³¹P nuclear magnetic resonance. *Chemosphere*, 211: 50-61. <https://www.doi.org/10.1016/j.chemosphere.2018.07.134>
- Zingg, S., Dolle, P., Voordouw, M.J., Kern, M. 2018. The negative effect of wood ant presence on tick abundance. *Parasites and Vectors*, 11(1): 164. <https://www.doi.org/10.1186/s13071-018-2712-0>