

**A selection of references published by speakers at our symposium 'Next generation sequencing – the role of new sequence technologies in shaping the future of veterinary science'**

Contact [library@rcvstrust.org.uk](mailto:library@rcvstrust.org.uk) to request abstracts where available.

1. Canine parvovirus in asymptomatic feline carriers.

Clegg, S. R.; Coyne, K. P.; Dawson, S.; Spibey, N.; Gaskell, R. M.; Radford, A. D.; Elsevier Ltd, Oxford, UK, *Veterinary Microbiology*, 2012, 157, 1/2, 78-85, 39 ref.

2. SAVSNET - the Small Animal Veterinary Surveillance Network: the 'Who What Where When & Why' of the UK vet-visiting companion animal population.

Tierney, A.; Buchan, I. E.; Setzkorn, C.; Jones, P. H.; Newton, J. R.; Bryan, J. G. E.; Gaskell, R. M.; Coyne, K. P.; Noble, P. J.; Dawson, S.; Radford, A. D.; Association pour l'Étude de l'Épidémiologie des Maladies Animales, Maisons-Alfort, France, *Épidémiologie et Santé Animale*, 2011, 59/60, 204-206, 9 ref.

3. Genome sequence for "Candidatus *Mycoplasma haemominutum*," a low-pathogenicity hemoplasma species.

Barker, E. N.; Darby, A. C.; Helps, C. R.; Peters, I. R.; Hughes, M. A.; Radford, A. D.; Novacco, M.; Boretti, F. S.; Hofmann-Lehmann, R.; Tasker, S.; American Society for Microbiology (ASM), Washington, USA, *Journal of Bacteriology*, 2012, 194, 4, 905-906, 17 ref.

4. The genome sequence of squirrel pox virus.

Radford, A. D.; McInnes, C. J.; Darby, A. C.; Hall, N.; Chantrey, J.; Benkő, M.; Harrach, B.; Veterinary Medical Research Institute, Hungarian Academy of Sciences, Budapest, Hungary, 8th International Congress of Veterinary Virology, Budapest, Hungary, 23-26 August, 2009. 20 years of ESVV: integrating classical and molecular virology, programme and proceedings, 2009, 107, 2 ref.

5. Antibacterial prescribing patterns in small animal veterinary practice identified via SAVSNET: the small animal veterinary surveillance network.

Radford, A. D.; Noble, P. J.; Coyne, K. P.; Gaskell, R. M.; Jones, P. H.; Bryan, J. G. E.; Setzkorn, C.; Tierney, A.; Dawson, S.; BMJ Publishing Group, London, UK, *Veterinary Record*, 2011, 169, 12, 310,

6. Unexplained outbreaks of a novel acute haemorrhagic vomiting syndrome in cats.

Radford, A. D.; Jones, P. H.; Gruffydd-Jones, T.; Hiestand, K.; Reilly, C.; BMJ Publishing Group, London, UK, *Veterinary Record*, 2011, 169, 5, 132-133, 3 ref.

7. Molecular characterization of the uncultivable hemotropic bacterium *Mycoplasma haemofelis*.

Barker, E. N.; Darby, A. C.; Helps, C. R.; Peters, I. R.; Heesom, K. J.; Arthur, C. J.; Crossett, B.; Hughes, M. A.; Radford, A. D.; Tasker, S.; BioMed Central Ltd, London, UK, *Veterinary Research*, 2011, 42, 83, (12 July 2011), 31 ref.

8. Molecular epidemiology and phylogeny reveal complex spatial dynamics in areas where canine parvovirus is endemic.

Clegg, S. R.; Coyne, K. P.; Parker, J.; Dawson, S.; Godsall, S. A.; Pinchbeck, G.; Cripps, P. J.; Gaskell, R. M.; Radford, A. D.; American Society for Microbiology (ASM), Washington, USA, *Journal of Virology*, 2011, 85, 15, 7892-7899, 46 ref.

9. Comparative sequence analysis of representative foot-and-mouth disease virus genomes from Southeast Asia.

Abdul-Hamid, N. F.; Fırat-Saraç, M.; Radford, A. D.; Knowles, N. J.; King, D. P.; Springer, Dordrecht, Netherlands, *Virus Genes*, 2011, 43, 1, 41-45, 23 ref.

10. A case-control study of pathogen and lifestyle risk factors for diarrhoea in dogs.

Stavisky, J.; Radford, A. D.; Gaskell, R.; Dawson, S.; German, A.; Parsons, B.; Clegg, S.; Newman, J.; Pinchbeck, G.; Elsevier B.V., Amsterdam, Netherlands, *Preventive Veterinary Medicine*, 2011, 99, 2/4, 185-192, 29 ref.

11. Complete genome sequence of *Mycoplasma haemofelis*, a hemotropic mycoplasma.

Barker, E. N.; Helps, C. R.; Peters, I. R.; Darby, A. C.; Radford, A. D.; Tasker, S.; American Society for Microbiology (ASM), Washington, USA, *Journal of Bacteriology*, 2011, 193, 8, 2060-2061, 15 ref.

12. Phylogeography of foot-and-mouth disease virus types O and A in Malaysia and surrounding countries.

Abdul-Hamid, N. F.; Hussein, N. M.; Wadsworth, J.; Radford, A. D.; Knowles, N. J.; King, D. P.; Elsevier B.V., Amsterdam, Netherlands, *Infection, Genetics and Evolution*, 2011, 11, 2, 320-328, 34 ref.

13. Genomic analysis of highly virulent Georgia 2007/1 isolate of African swine fever virus.

Chapman, D. A. G.; Darby, A. C.; Silva, M. da; Upton, C.; Radford, A. D.; Dixon, L. K.; National Center for Infectious Diseases, Centers for Disease Control and Prevention, Atlanta, USA, *Emerging Infectious Diseases*, 2011, 17, 4, 599-605, 29 ref.

14. Identification of three novel superantigen-encoding genes in *Streptococcus equi* subsp. *zooepidemicus*, *szef*, *szen*, and *szep*.

Paillot, R.; Darby, A. C.; Robinson, C.; Wright, N. L.; Steward, K. F.; Anderson, E.; Webb, K.; Holden, M. T. G.; Efstratiou, A.; Broughton, K.; Jolley, K. A.; Priestnall, S. L.; Campi, M. C. M.; Hughes, M. A.; Radford, A.; Erles, K.; Waller, A. S.; American Society for Microbiology (ASM), Washington, USA, *Infection and Immunity*, 2010, 78, 11, 4817-4827, 51 ref.

15. Developing a network for small animal disease surveillance.

Radford, A.; Tierney, Á.; Coyne, K. P.; Gaskell, R. M.; Noble, P. J.; Dawson, S.; Setzkorn, C.; Jones, P. H.; Buchen, I. E.; Newton, J. R.; Bryan, J. G. E.; BMJ Publishing Group, London, UK, *Veterinary Record*, 2010, 167, 13, 472-474, 14 ref.

16. Epidemiology of canine parvovirus and coronavirus in dogs presented with severe diarrhoea to PDSA PetAid hospitals.

Godsall, S. A.; Clegg, S. R.; Stavisky, J. H.; Radford, A. D.; Pinchbeck, G.; BMJ Publishing Group, London, UK, Veterinary Record, 2010, 167, 6, 196-201, 26 ref.

17. Detection of squirrel poxvirus by nested and real-time PCR from red (*Sciurus vulgaris*) and grey (*Sciurus carolinensis*) squirrels.

Atkin, J. W.; Radford, A. D.; Coyne, K. P.; Stavisky, J.; Chantrey, J.; BioMed Central Ltd, London, UK, BMC Veterinary Research, 2010, 6, 33, (8 June 2010), 30 ref.

18. SAVSNET - The Small Animal Veterinary Surveillance Network: establishing systems and application of information technology to launch this programme of surveillance.

Tierney, A.; Coyne, K.; Dawson, S.; Gaskell, R.; Bryan, J.; Newton, R.; Jones, P.; Setzkorn, C.; Noble, P.; Radford, A.; Beard, K.; Boag, A.; Caney, S. M. A.; Freeman, J.; Gould, D. J.; Hotston Moore, A.; Langley-Hobbs, S. J.; Luis Fuentes, V.; Murphy, S.; Penderis, J.; Ridyard, A. E.; Smith, S.; Sweeney, E.; British Small Animal Veterinary Association, Quedgeley, UK, BSAVA 53rd Annual Congress 2010, Scientific Proceedings, Veterinary Programme, Birmingham, UK, 8-11 April 2010, 2010, 474-475,

19. Feline panleukopenia. ABCD guidelines on prevention and management.

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Thiry, E.; Addie, D.; Belák, S.; Boucraut-Baralon, C.; Egberink, H.; Frymus, T.; Gruffydd-Jones, T.; Hartmann, K.; Hosie, M. J.; Lloret, A.; Lutz, H.; Marsilio, F.; Pennisi, M. G.; Radford, A. D.; Truyen, U.; Horzinek, M. C.; Elsevier, Amsterdam, Netherlands, Journal of Feline Medicine and Surgery, 2009, 11, 7, 547-555, 38 ref.

21. Feline calicivirus infection. ABCD guidelines on prevention and management.

Radford, A. D.; Addie, D.; Belák, S.; Boucraut-Baralon, C.; Egberink, H.; Frymus, T.; Gruffydd-Jones, T.; Hartmann, K.; Hosie, M. J.; Lloret, A.; Lutz, H.; Marsilio, F.; Pennisi, M. G.; Thiry, E.; Truyen, U.; Horzinek, M. C.; Elsevier, Amsterdam, Netherlands, Journal of Feline Medicine and Surgery, 2009, 11, 7, 556-564, 54 ref.

22. Feline leukaemia. ABCD guidelines on prevention and management.

Lutz, H.; Addie, D.; Belák, S.; Boucraut-Baralon, C.; Egberink, H.; Frymus, T.; Gruffydd-Jones, T.; Hartmann, K.; Hosie, M. J.; Lloret, A.; Marsilio, F.; Pennisi, M. G.; Radford, A. D.; Thiry, E.; Truyen, U.; Horzinek, M. C.; Elsevier, Amsterdam, Netherlands, Journal of Feline Medicine and Surgery, 2009, 11, 7, 565-574, 66 ref.

23. Feline immunodeficiency. ABCD guidelines on prevention and management.

Hosie, M. J.; Addie, D.; Belák, S.; Boucraut-Baralon, C.; Egberink, H.; Frymus, T.; Gruffydd-Jones, T.; Hartmann, K.; Lloret, A.; Lutz, H.; Marsilio, F.; Pennisi, M. G.; Radford, A. D.; Thiry, E.; Truyen, U.; Horzinek, M. C.; Elsevier, Amsterdam, Netherlands, *Journal of Feline Medicine and Surgery*, 2009, 11, 7, 575-584, 64 ref.

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25. Feline infectious peritonitis. ABCD guidelines on prevention and management.

Addie, D.; Belák, S.; Boucraut-Baralon, C.; Egberink, H.; Frymus, T.; Gruffydd-Jones, T.; Hartmann, K.; Hosie, M. J.; Lloret, A.; Lutz, H.; Marsilio, F.; Pennisi, M. G.; Radford, A. D.; Thiry, E.; Truyen, U.; Horzinek, M. C.; Elsevier, Amsterdam, Netherlands, *Journal of Feline Medicine and Surgery*, 2009, 11, 7, 594-604, 75 ref.

26. Chlamydomydia felis infection. ABCD guidelines on prevention and management.

Gruffydd-Jones, T.; Addie, D.; Belák, S.; Boucraut-Baralon, C.; Egberink, H.; Frymus, T.; Hartmann, K.; Hosie, M. J.; Lloret, A.; Lutz, H.; Marsilio, F.; Pennisi, M. G.; Radford, A. D.; Thiry, E.; Truyen, U.; Horzinek, M. C.; Elsevier, Amsterdam, Netherlands, *Journal of Feline Medicine and Surgery*, 2009, 11, 7, 605-609, 19 ref.

27. Bordetella bronchiseptica infection in cats. ABCD guidelines on prevention and management.

Egberink, H.; Addie, D.; Belák, S.; Boucraut-Baralon, C.; Frymus, T.; Gruffydd-Jones, T.; Hartmann, K.; Hosie, M. J.; Lloret, A.; Lutz, H.; Marsilio, F.; Pennisi, M. G.; Radford, A. D.; Thiry, E.; Truyen, U.; Horzinek, M. C.; Elsevier, Amsterdam, Netherlands, *Journal of Feline Medicine and Surgery*, 2009, 11, 7, 610-614, 21 ref.

28. H5N1 avian influenza in cats. ABCD guidelines on prevention and management.

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Porter, C. J.; Radford, A. D.; Gaskell, R. M.; Ryvar, R.; Coyne, K. P.; Pinchbeck, G. L.; Dawson, S.; Elsevier, Amsterdam, Netherlands, *Journal of Feline Medicine and Surgery*, 2008, 10, 1, 32-40, 42 ref.

30. Genome sequence for "Candidatus Mycoplasma haemominutum," a low-pathogenicity hemoplasma species.

Barker EN, Darby AC, Helps CR, Peters IR, Hughes MA, Radford AD, Novacco M, Boretti FS, Hofmann-Lehmann R, and Tasker S. 2012. Genome sequence for "Candidatus Mycoplasma haemominutum," a low-pathogenicity hemoplasma species. *Journal of bacteriology* 194:905-906.

31. Application of next-generation sequencing technologies in virology.

Radford AD, Chapman D, Dixon L, Chantrey J, Darby AC, and Hall N. (2012). Application of next-generation sequencing technologies in virology. Available: <http://vir.sgmjournals.org/content/early/2012/05/24/vir.0.043182-0.full.pdf>. Last accessed 1st August 2012.

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Yasmin, A., Kenny, J.G., Shankar, J., Darby, A.C., Hall, N., Edwards C. and Horsburgh, M.J. 2010. Comparative Genomics and Functional Analysis of *Enterococcus faecalis* Temperate Bacteriophages *Journal of Bacteriology* 192: 1122-1130

35. Characterization of pneumonia due to *Streptococcus equi* subsp. *zooepidemicus* in dogs.

Priestnall SL, Erles K, Brooks HW, Cardwell JM, Waller AS, Paillot R, Robinson C, Darby AC, Holden MT, Schöniger S. (2010). Characterization of pneumonia due to *Streptococcus equi* subsp. *zooepidemicus* in dogs. *Clin Vaccine Immunol.* 17(11):1790-6.

36. Canine parvovirus: high diversity of 2a and 2b viruses from clinically ill dogs in the UK

Clegg, S.; Coyne, K.; Gaskell, R.; Pinchbeck, G.; Godsall, S.; Dawson, S.; Radford, A (2010) Canine parvovirus: high diversity of 2a and 2b viruses from clinically ill dogs in the UK BSAVA 53rd Annual Congress 2010, Scientific Proceedings, Veterinary Programme, Birmingham, UK, 8-11 April pp. 412

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McElhinney, L. M.; Fooks, A. R.; Radford, A. D (2008) Diagnostic tools for the detection of rabies virus. (Special issue: Zoonotic diseases in companion animals) *European Journal of Companion Animal Practice* 18 (3), pp. 224-231

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Stavisky, J.; Pinchbeck, G. L.; German, A. J.; Dawson, S.; Gaskell, R. M.; Ryvar, R.; Radford, A. D (2010) Prevalence of canine enteric coronavirus in a cross-sectional survey of dogs presenting at veterinary practices *Veterinary Microbiology* 140 (1/2), pp. 18-24

41. Bioaccessibility of trace metals in boat paint particles

Turner, A.; Radford, A. (2010) Bioaccessibility of trace metals in boat paint particles *Ecotoxicology and Environmental Safety* 73 (5), pp. 817-824

42. A worm's best friend: recruitment of neutrophils by *Wolbachia* confounds eosinophil degranulation against the filarial nematode *Onchocerca ochengi*.

Hansen, R. D. E.; Trees, A. J.; Bah, G. S.; Hetzel, U.; Martin, C.; Bain, O.; Tanya, V. N.; Makepeace, B. L.; Royal Society, London, UK, *Proceedings of the Royal Society of London. Series B, Biological Sciences*, 2011, 278, 1716, 2293-2302, 34 ref.

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