

1. Lester HE, Morgan ER, Hodgkinson JE, Matthews JB. 2018. Analysis of strongyle egg shedding consistency in horses and factors that affect it. *J Eq Vet Sci*. 60:113-119.
2. Lightbody KL, Matthews JB, Kemp-Symonds JG, Lambert PA, Austin CJ. 2018. Use of a saliva-based diagnostic test to inform on tapeworm infection in horses. *Eq Vet J*. 50:213-219.
3. Partridge FA, Brown AE, Buckingham SD, Willis NJ, Wynne GM, Forman R, Else KJ, Matthews JB, Russell AJ, Lomas DA, Sattelle DB. 2017. An automated high-throughput system for phenotypic screening of chemical libraries on *Caenorhabditis elegans* and parasitic nematodes. *Int J Parasitol Drugs Drug Resist*. 8:8-21.
4. Peachey LE, Pinchbeck GL, Matthews JB, Burden FA, Lespine A, von Samson-Himmelstjerna G, Krücken J, Hodgkinson JE. 2017. P-glycoproteins play a role in ivermectin resistance in cyathostomins. *Int J Parasitol Drugs Drug Resist*. 7:388-398.
5. Kelly S, Ivens I, Mott A, O'Neill E, Emms D, Macleod O, Voorheis, Matthews JB, Matthews KR, Carrington M. 2017. The genome of the ubiquitous parasite of cattle, *Trypanosoma (Megatrypanum) theileri*, and an analysis of a cell surface composition associated with long term persistence in cattle. *Genome Biol Evol*. 9:2093-21.
6. Matthews JB. 2017. PARAGONE, an EU project on parasite vaccines. *Intern. An. Health J*. 4:34-38.
7. Tzelos T, Barbeito JSG, Nielsen MK, Morgan ER, Hodgkinson JE, Matthews JB. 2017. Strongyle egg reappearance period after moxidectin treatment and its relationship with management factors in UK equine populations. *Vet Parasitol*. 237:70-76.
8. Thamsbourg SM, Ketzis J, Horii Y, Matthews JB. 2017. *Strongyloides* species infections of veterinary importance. *Parasitology* 144:274-284.
9. Matthews JB, Geldhof P, Tzelos T, Claerebout E. 2016. Progress in the development of subunit vaccines for gastrointestinal nematodes of ruminants. *Parasite Immunol*. 3:744-753.
10. Nisbet AJ, McNeilly TN, Greer AW, Bartley Y, Oliver EM, Smith S, Palarea-Albaladejo J, Matthews JB. 2016. Protection of ewes against *Teladorsagia circumcincta* infection in the periparturient period by vaccination with recombinant antigens. *Vet Parasitol*. 228:130-136.
11. Mitchell MC, Tzelos T, Handel I, McWilliam HEG, Hodgkinson JE, Nisbet AJ, Kharchenko VO, Burgess STG, Matthews JB. 2016. Development of a recombinant protein-based ELISA for diagnosis of larval cyathostomin infection. *Parasitology* 143:1055-1066.
12. Easton S, Pinchbeck GL, Tzelos T, Bartley DJ, Hotchkiss E, Hodgkinson JE, Matthews JB. 2016. Interactions between horse owners' and prescribers of anthelmintics in the UK. *Prev Vet Med*. 135:17-27.

13. Easton S, Pinchbeck GL, Bartley DJ, Hotchkiss E, Hodgkinson JE, Matthews JB. 2016. UK prescribers' experience of, and opinions, on anthelmintic prescribing practices for livestock and equines. *Prev Vet Med*. 134:69-81.
14. Peachey LE, Pinchbeck GL, Matthews JB, Burden FA, Behnke JM, Hodgkinson JE. 2016. Papaya latex supernatant has a potent effect on free-living stages of cyathostomins in vitro. *Vet Parasitol*. 228: 23-29.
15. Tzelos T, Matthews JB. 2016. Anthelmintic resistance in equine helminths and mitigating its effects. *In Practice* 38: 489-499.
16. Garnier G, Grenfell B, Nisbet AJ, Matthews JB, Graham AL. 2016. Integrating immune mechanism to model nematode worm burden: an example in sheep. *Parasitology* 143: 894-904.
17. Tzelos T, Matthews JB, Buck AH, Simbari F, Frew D, Inglis NF, Nisbet AJ, Whitelaw BA, Knox DP, McNeilly TN. 2016. Characterization of exosomes released by the ovine parasitic nematode, *Teladorsagia circumcincta*. *Vet Parasitol*. 221:84-92.
18. Easton S, Bartley DJ, Hotchkiss E, Hodgkinson JE, Pinchbeck GL, Matthews JB. 2016. Use of a multiple choice questionnaire to assess UK prescribing channels' knowledge of helminthology and best practice surrounding anthelmintic use in livestock and horses. *Prev Vet Med*. 128:70-77.
19. Nielsen MK, von Samson-Himmelstjerna G, Pfister K, Reinemyer CR, Molento MB, Peregrine AS, Hodgkinson JE, Jacobsen S, Kaplan RM, Matthews JB. 2016. The appropriate anti-parasitic treatment; coping with emerging threats from old adversaries. *Eq Vet J*. 48: 374-375.
20. Matthews JB. 2016. Trends Talk. The horse (worm) whisperer. *Trends in Parasitol* 32; 1-2.
21. Lester HE, Matthews JB. 2015. Control of equine nematodes: making the most of faecal egg counts. *In Practice* 37:540-544.
22. McArthur CL, Handel I, Robinson A, Hodgkinson JE, Bronsvort B, Burden FA, Kaplan RM, Matthews JB. 2015. Development of the larval migration inhibition test for comparative analysis of ivermectin sensitivity in cyathostomin populations. *Vet Parasitol*. 212:292-298.
23. Trees AJ, Williams DJ, Matthews JB. 2015. WAAVP 2015 Special Edition veterinary parasitology-Preface. *Vet Parasitol*. 212:3-4.
24. Peachey LE, Pinchbeck GL, Matthews JB, Burden FA, Mulugeta G, Scantlebury C, Hodgkinson JE. 2015. An evidence based approach to the evaluation of ethnoveterinary medicines against gastrointestinal nematodes of equids in the UK and Ethiopia. *Vet Parasitol*. 210:40-52.
25. Tzelos T, Matthews JB, Whitelaw B, Knox DP. 2015. Marker genes for activation of the RNA interference (RNAi) pathway in the free-living nematode *Caenorhabditis elegans*

- and RNAi development in the ovine nematode *Teladorsagia circumcincta*. J Helminthol. 89:208-216.
26. Matthews JB. 2014. Anthelmintic resistance in equine nematodes. Int J Parasit. Drugs & Drug Resistance. 4: 310-315.
 27. Morrison AA, Mitchell S, Mearns R, Richards I, Matthews JB, Bartley DJ. 2014. Phenotypic and genotypic analysis of benzimidazole resistance in the ovine parasite *Nematodirus battus*. Vet Res. 45:116.
 28. Relf VE, Lester HE, Morgan ER, Hodgkinson JE, Matthews JB. 2014. Anthelmintic efficacy on UK Thoroughbred stud farms. Int J Parasitol. 44:507-514
 29. Ellis SE, Shaw DJ, McWilliam HE, Paterson S, Matthews JB, Nisbet AJ. 2014. Ovine IgA-reactive proteins from *Teladorsagia circumcincta* infective larvae. Int J Parasitol. 44:743-750.
 30. Hayward AD, Garnier R, Watt KA, Pilkington JG, Grenfell BT, Matthews JB, Pemberton JM, Nussey DH, Graham AL. 2014. Heritable, heterogeneous and costly resistance of sheep against nematodes and potential feedbacks to epidemiological dynamics. Am Nat. 184: S58-76.
 31. Lester HE, Matthews JB. 2014. Faecal worm egg count analysis for targeting anthelmintic treatment in horses: points to consider. Equine Vet J. 46:139-145
 32. Matthews JB. 2014. The future of helminth control in horses. Equine Vet J. 46:10-11.
 33. Corbett CJ, Love S, Moore A, Burden FA, Matthews JB, Denwood MJ. 2014. The effectiveness of faecal removal methods of pasture management to control the cyathostomin burden of donkeys. Parasites & Vectors 7:48.
 34. Stratford CH, Lester HE, Morgan ER, McGorum BC, Pickles KJ, Relf VE, Matthews JB. 2014. A questionnaire study of equine gastrointestinal parasite control in Scotland. Equine Vet J. 46:25-31
 35. Stratford CH, Lester HE, Pickles KJ, McGorum BC, Matthews JB. 2014. An investigation of anthelmintic efficacy against strongyles on equine yards in Scotland. Equine Vet J. 46:17-24.
 36. Nisbet AJ, McNeilly TN, Wildblood LA, Donnan AA, Bartley DJ, Bartley Y, Longhi C, McKendrick IJ, Palarea-Albaladejo, Matthews JB. 2013. Successful immunization against a parasitic nematode by vaccination with recombinant proteins. Vaccine 31:4017-4023.
 37. Lester HE, Bartley DJ, Morgan ER, Hodgkinson JE, Stratford CH, Matthews JB. 2013. A cost comparison of faecal egg count-directed anthelmintic delivery versus interval programme treatments in horses. Vet Rec. 173:371.
 38. Cwiklinski K, Merga Y, Lake SL, Hartley C, Matthews JB, Paterson S, Hodgkinson JE. 2013. Transcriptome analysis of a parasitic clade V nematode: comparative analysis of potential molecular anthelmintic targets in *Cylicostephanus goldi*. Int J Parasitol. 43:917-927.

39. Scantlebury CS, Peachey L, Hodgkinson JE, Matthews JB, Trawford A, Mulugeta G, Tefera G, Pinchbeck G. 2013. Participatory study of medicinal plants used in the control of gastrointestinal nematodes of donkeys in Ethiopia. *BMC Vet Res.* 9:179.
40. McNeilly TN, Rocchi M, Brown JK, Frew D, Nisbet AJ, Wattedegera, McIntyre J, Huntley JF, Matthews JB. 2013. Suppression of ovine lymphocyte activation by *Teladorsagia circumcincta* larval excretory-secretory products. *Vet Research.* 44:70.
41. Lanz S, Gerber V, Marti E, Rettmer H, Klukowska-Rötzler J, Matthews JB, Pirie S, Hamza E. 2013. Effect of hay dust extract and cyathostomin antigen stimulation on cytokine expression by PBMC in horses with recurrent airway obstruction. *Vet Immunol Immunopathol.* 155:229-237.
42. Matthews JB, Burden F. 2013. Common helminth infections of donkeys and their control. *Eq Vet Ed.* 25, 461–467.
43. Lester HE, Spanton J, Stratford CH, Bartley DJ, Morgan ER, Hodgkinson JE, Coumbe K, Mair T, Swane B, Lemone G, Cookson R, Matthews JB. 2013. Anthelmintic efficacy against cyathostomins in horses in England. *Vet Parasitol.* 197:189-196.
44. Relf VE, Morgan ER, Hodgkinson JE, Matthews JB. 2013. Helminth egg excretion with regard to age, gender and management practices on UK Thoroughbred studs. *Parasitology* 140:641-652.
45. Wood E, Matthews JB, Stephenson S, Slotte M, Nussey DH. 2013. Variation in faecal egg counts in horses managed for conservation purposes: individual egg shedding consistency, age effects and seasonal variation. *Parasitology* 140:115-128.
46. Baker RH, Britton C, Roberts B, Loerd CM, Matthews JB, Nisbet AJ. 2012. Melanisation of *Teladorsagia circumcincta* larvae exposed to sunlight; a role for GTP-cyclohydrolase in nematode survival. *Int J Parasitol.* 42:887-891.
47. Bartley DJ, McArthur C, Lespine A, Matthews JB. 2012. Characterization of macrocyclic lactone resistance in two field-derived isolates of *Cooperia oncophora*. *Vet. Parasitol.* 190:454-460.
48. Piedrafita D & Matthews JB. 2012. A grand scale challenge: vaccine discovery for helminth control in definitive hosts. *Parasite Immunol.* 34:241-242.
49. Relf VE, Morgan ER, Hodgkinson JE, Matthews JB. 2012. A questionnaire study on parasite control practices on UK breeding Thoroughbred studs. *Equine Vet J.* 44:466-471.
50. Ellis S, Newlands GFJ, Nisbet AJ, Matthews JB. 2012. Phage display library panning as a novel approach to the identification of nematode vaccine candidates. *Parasite Immunol.* 34:285-295.
51. Cwiklinski K, Kooyman FNJ, van Doorn DCK, Matthews JB, Hodgkinson JE. 2012. New insights into sequence variation in the IGS region of 21 cyathostomin species and the implication for molecular identification. *Parasitology.* 139:1-11.

52. Matthews JB, McArthur C, Robinson A, Jackson F. 2012. The in vitro diagnosis of anthelmintic resistance in cyathostomins. *Vet. Parasitol.* 185:25-31.
53. Pezzementi L, Krejci E, Chatonnet A, Selkirk ME, Matthews JB. 2012. A tetrameric acetylcholinesterase from the parasitic nematode *Dictyocaulus viviparus* associates with the vertebrate tail proteins PRiMA and ColQ. *Mol Biochem Parasitol.* 181:40-48.
54. Clements RJM, McNeilly TM, Pickles KJ, Keen JA, Matthews JB. 2012. Evaluation of rectal mast cell responses as a novel method to estimate equine cyathostomin burdens. *J Eq Vet Sci.* 32:S32.
55. Lester HE, Stratford, CH, Matthews JB. 2012. Efficacy of five-day treatment of fenbendazole or moxidectin on strongyle faecal egg counts in a population of welfare horses. *J Vet Intern Med* 26: 432-433.
56. McArthur CL, Bartley DJ, Shaw DJ, Matthews JB. 2011. Assessment of ivermectin efficacy against gastrointestinal nematodes in cattle on four Scottish farms. *Vet Rec.* 169:658.
57. Stratford CH, McGorum BC, Pickles KJ, Matthews JB. 2011. An update on cyathostomins: anthelmintic resistance and diagnostic tools. *Eq Vet J.* 43:133-139.
58. Mott GA, Wilson R, Fernando A, Robinson A, Macgregor P, Kennedy D, Schaap D, Matthews JB, Matthews KR. 2011. Targeting cattle-borne zoonoses and cattle pathogens using a novel trypanosomatid-based delivery system. *PLoS Pathog.* 7(10):e1002340.
59. Baker RH, Buschbaum S, Matthews JB, McKendrick IJ, Schnieder T, Strube C, Nisbet AJ. 2011. GTP-cyclohydrolase and development in *Teladorsagia circumcincta* and *Dictyocaulus viviparus* (Nematoda: Strongylida). *Exp Parasitol.* 128:309-317.
60. Nisbet AJ, Zarlenga DS, Knox DP, Meikle LA, Wildblood LA, Matthews JB. 2011. A calcium-activated apyrase from *Teladorsagia circumcincta*: an excretory/secretory antigen capable of modulating host immune responses? *Parasite Immunol.* 33: 236-243.
61. Matthews JB. 2011. Facing the threat of equine parasitic disease. *Eq Vet. J.* 43: 126-132.
62. McWilliam HEG, Nisbet AJ, Dowdall SMJ, Hodgkinson JE, Matthews JB. 2010. Identification and characterisation of a potential immunodiagnostic marker for larval cyathostominosis. *Int J Parasitol.* 40:265-275
63. Nisbet AJ, Smith SK, Armstrong S., Meikle LI, Wildblood LA, Beynon RJ, Matthews JB. 2010. *Teladorsagia circumcincta*: activation-associated secreted proteins in excretory/ secretory products of fourth stage larvae are targets of early IgA responses in infected sheep. *Exp Parasitol.* 125:329-337.
64. Nisbet AJ, Bell NEV, McNeilly TN, Knox DP, Maizels RM, Meikle LI, Wildblood LA, Matthews JB. 2010. A macrophage migration inhibitory factor-like tautomerase from *Teladorsagia circumcincta*. *Parasite Immunol.* 32:503-511.
65. Matthews JB. 2010. Clinical forum: drug resistance in cyathostomins. *UK Vet Companion Animal*, 15: 9-17.

66. Lake S, Matthews JB, Kaplan RM, Hodgkinson JE. 2009. Molecular diagnostics for benzimidazole resistance in the Cyathostominae: detection of resistance alleles in field populations. *Parasit Vectors*. Sep 25;2 Suppl 2:S6.
67. McNeilly TN, Devaney E, Matthews JB. 2009. *Teladorsagia circumcincta* in the sheep abomasum: defining the role of dendritic cells in T cell regulation and protective immunity. *Parasite Immunol*. 31, 347–356.
68. Nisbet AJ, Knox DP, McNair CM, Meikle LI, Smith SK, Wildblood LA, Matthews JB. 2009. Immune recognition of the surface associated antigen, Tc-SAA-1, from infective larvae of *Teladorsagia circumcincta*. *Parasite Immunol*. 31:32-40.
69. Cantacessi C, Campbell BE, Visser A, Geldhof P, Nolan MJ, Nisbet AJ, Matthews JB, Loukas A, Hofmann A, Otranto D, Sternberg PW, Gasser RB. 2009. A portrait of the "SCP/TAPS" proteins of eukaryotes - Developing a framework for fundamental research and biotechnological outcomes. *Biotechnol Adv*. 27, 376-388.
70. Smith SK, Nisbet AJ, Meikle LI, Inglis NF, Sales J, Beynon RJ, Matthews JB. 2009. Proteomic analysis of excretory/secretory products released by *Teladorsagia circumcincta* larvae early post-infection. *Parasite Immunol*. 31:10-19.
71. Hodgkinson JE, Clark HJ, Kaplan RM, Lake SL, Matthews JB. 2008. The role of polymorphisms at beta tubulin isotype 1 codons 167 and 200 in benzimidazole resistance in cyathostomins. *Int J Parasitol*. 38:1149-1160.
72. Matthews JB, Johnson DR, Lazari O, Craig R, Matthews KR. 2008. Identification of a LIM domain-containing gene in the Cyathostominae. *Vet Parasitol*. 154:82-93.
73. Nisbet AJ, Redmond DL, Matthews JB, Watkins C, Yaga R, Jones JT, Nath M, Knox DP. 2008. Stage-specific gene expression in *Teladorsagia circumcincta* (Nematoda: Strongylida) infective larvae and early parasitic stages. *Int J Parasitol*. 38:829-838.
74. Moore RE, Knottenbelt D, Matthews JB, Beynon RJ, Whitfield PD. 2008. Biomarkers for ragwort poisoning in horses: identification of protein targets. *BMC Vet Res*. 4:30.
75. Matthews JB 2008. An update on cyathostomins: Anthelmintic resistance and worm control. *Eq. Vet. Ed*. 20: 552-560.
76. Matthews JB. 2008. Clinical Forum: bovine lungworm. *UK Vet*, Oct.
77. Halliday A, Routeledge C, Smith SK, Matthews JB, Smith WD. 2007. Parasite loss and inhibited development of *Teladorsagia circumcincta* in relation to the kinetics of the local IgA response in sheep. *Parasite Immunol*. 29:425-434.
78. Redmond DL, Smith SK, Halliday A, Smith WD, Jackson F, Knox DP, Matthews JB. 2006. An immunogenic cathepsin F secreted by the parasitic stages of *Teladorsagia circumcincta*. *Int J Parasitol*. 36:277-286.
79. Matthews JB, Lazari O, Davidson AJ, Warren S, Selkirk ME. 2006. A tryptophan amphiphilic tetramerisation domain-containing acetylcholinesterase from *Dictyocaulus viviparus*. *Parasitology* 133:381-387.

80. Lazari O, Kipar A, Johnson DR, Selkirk ME, Matthews JB. 2006. Up-regulated expression of the alpha 7 nicotinic acetylcholine receptor subunit on inflammatory infiltrates in the lungs of *Dictyocaulus viviparus* infected cattle. *Parasite Immunol.* 28: 429-437.
81. Brown JJ, Ollier WER, Thomson W, Matthews JB, Carter SD, Binns M, Pinchbeck G, Clegg PD. 2006. TNF-alpha SNP haplotype frequencies in equine breeds. *Tissue Antigens*, 67:377-382.
82. Matthews JB. 2006. Recent advances in veterinary parasite immunology. *Parasite Immunol.* 28:271-273.
83. Clark HJ, Kaplan RM, Matthews JB, Hodgkinson JE. 2005. Isolation and characterisation of a beta-tubulin isotype 2 gene from two cyathostomin species. *Int J Parasitol.* 35: 349-358.
84. Johnson DR, Sales J, Matthews JB. 2005. Local cytokine responses in *Dictyocaulus viviparus* infection. *Vet Parasitol.* 128:309-318.
85. Selkirk ME, Lazari O, Hussein AS, Matthews JB. 2005. Nematode acetylcholinesterases are encoded by multiple genes and perform non-overlapping functions. *Chem Biol Interactions.* 157-158:263-268.
86. Davidson AJ, Hodgkinson JE, Proudman CJ, Matthews JB. 2005. Cytokine responses to Cyathostominae larvae in the equine large intestinal wall. *Res Vet Sci.* 78, 169-76.
87. Hodgkinson JE, Freeman KL, Lichtenfels JR, Palfreman S, Love S, Matthews JB. 2005. Identification of strongyle eggs from anthelmintic treated horses using a PCR-ELISA based on intergenic DNA sequences. *Parasitol Res.* 95:287-292.
88. Matthews JB. 2005. New perspectives for diagnosing equine parasitic disease. *Eq Vet J.* 37:186-188.
89. Selkirk ME, Lazari O, Matthews JB. 2005. Functional genomics of nematode acetylcholinesterases. *Parasitology.* 131:S1-16.
90. Lazari, O, Selkirk ME, Ploeger H, Matthews JB. 2004. A gene encoding a putative neuromuscular acetylcholinesterase from *Dictyocaulus viviparus*. *Molec Biochem Parasitol.* 136: 313-317.
91. Dowdall SMJ, Proudman CJ, Klei TR, Mair TS, Matthews JB. 2004. Antigen-specific IgGT responses as a marker for larval cyathostomin infection. *Int J Parasitol.* 34: 101-108.
92. Ramsey YH, Christley RM, Matthews JB, Hodgkinson JE, McGoldrick J, Love S. 2004. Multi-level multivariable linear regression models for assessment of seasonal development of *Cyathostominae* larvae on pasture. *Vet Parasitol.* 119: 307-318.
93. Matthews JB, Davidson AJ, Beynon RJ. 2004. Use of proteomic technology for the discovery of vaccine candidates for *Dictyocaulus viviparus*. *Parasitology.* 128:S43-47.

94. Matthews JB, Hodgkinson JE, Dowdall SMJ, Proudman CJ. 2004. Recent developments in research into the Cyathostominae and *Anoplocephala perfoliata*. *Vet Res.* 35: 371-381.
95. Brown JJ, Thomson W, Clegg P, Eyre S, Kennedy LJ, Matthews JB, Carter S, Ollier WER. 2004. Polymorphisms of the equine major histocompatibility complex class II *DRA* locus. *Tissue Antigens.* 64: 173-179.
96. Matthews JB. 2004. Mucosal cytokine responses in cyathostominosis. In (Eds.) Williams, JC, Gasser R & Malone JB. Special Post-Conference Issue, 19th International Conference of the World Association for the Advancement of Veterinary Parasitology (WAAVP): and (Eds.) Kaplan RM, Matthews JB. Symposium on Equine Cyathostomins. *Vet Parasitol.* 125:203-220.
97. Thompson RC, Zarlenga DS, La Rosa G, Pozio E, Rosenthal B, Bandi C, Mortarino M, Casiraghi M, Genchi C, Gasser RB, Hu M, Chilton NB, Matthews JB, Hodgkinson JE. 2004. Molecular systematics and diagnosis. *Vet Parasitol.* 125:69-92.
98. Matthews JB. 2004. Recommendations for future research on donkey parasites. In (Eds.) Williams JC, Gasser R, Malone, J.B. Special Post-Conference Issue, 19th International Conference of WAAVP: and (Eds.) Trawford A, Svenson E. Symposium on Donkey Parasitology. *Vet Parasitol.* 125:43-58.
99. Lazari O, Hussein AS, Selkirk ME, Davidson AJ, Thompson FJ, Matthews JB. 2003. Cloning and expression of two secretory acetylcholinesterases from the bovine lungworm, *Dictyocaulus viviparus*. *Mol Biochem Parasitol.* 132:83-92.
100. Dowdall SMJ, Proudman CJ, Love S, Murphy D, Klei TR, Matthews JB. 2003. Purification and analyses of the specificity of two putative diagnostic antigens for larval cyathostomin infection in horses. *Res Vet Sci.* 75:223-229.
101. Coles GC, Eysker M, Hodgkinson J, Matthews JB, Kaplan RM, Klei TR, Sangster NC. 2003. Anthelmintic resistance and use of anthelmintics in horses. *Vet Rec.* 153:636.
102. Hodgkinson JE, Lichtenfels, JR, Mair TS, Cripps P, Freeman KL, Ramsey YH, Matthews JB. 2003. A PCR-ELISA for the identification of cyathostomin fourth-stage larvae obtained from clinical cases of larval cyathostominosis. *Int J Parasitol.* 33:1427-1435.
103. Davidson, AJ, Edwards GB, Proudman CJ, Cripps, PJ, Matthews JB. 2002. Cytokine mRNA expression pattern in horses with large intestinal disease. *Res Vet Sci.* 72: 177-185.
104. Dowdall SMJ, Matthews JB, Murphy D, Love S, Proudman CJ. 2002. Antigen-specific IgG(T) responses in natural and experimental cyathostomin infection. *Vet Parasitol.* 106: 225-242.
105. Hodgkinson JE, Love, Lichtenfels JR, Ramsey YR, Palfreman S, Matthews JB. 2001. Evaluation of the specificity of five oligoprobes for identification of cyathostomin species from horses. *Int J Parasitol.* 31: 197-204.

106. Matthews JB, Davidson AJ, Freeman KL, NP French. 2001. Immunisation of cattle with recombinant acetylcholinesterase from *Dictyocaulus viviparus* and with adult worm ES products. *Int J Parasitol.* 31: 307-317.
107. Lichtenfels JR, McDonnell A, Love S, Matthews JB. 2001. Nematodes of the tribe Cyathostominae (Strongylidae) collected from horses in Scotland. *Comp Parasitol.* 68: 265-9.
108. Matthews JB, Proudman CJ. 2001. A practical pragmatic approach to worm control. *Thoroughbred Breeder*, July.12-15.
109. Knottenbelt DC, Matthews JB. 2001. A positive step forwards in the diagnosis of equine sarcoid. *Vet J.* 161:1-3.
110. McDonnell A, Lichtenfels JR, Tait A, Love S, Matthews JB. 2000. Phylogenetic analysis of partial mitochondrial cytochrome oxidase C subunit I and large ribosomal RNA sequences and nuclear internal transcribed spacer I sequences from species of Cyathostominae and Strongylinae (Nematoda, Order Strongylida), parasites of the horse. *Parasitology* 121: 649-659.
111. Proudman CJ, Matthews JB. 2000. Control of equine intestinal helminths. *In Practice*, February 2000: 90-97.
112. McKeand JB. 2000. Vaccine development and diagnostics of *Dictyocaulus viviparus*. *Parasitology* 120: S17-23.
113. Kaye JN, Love S, Lichtenfels, JR, McKeand JB. 1998. Comparative sequence analysis of the intergenic spacer (IGS) region of cyathostome species. *Int J Parasitol.*28: 831-836.
114. McKeand JB. 1998. Molecular diagnosis of parasitic nematodes. *Parasitology* 117: s87-96.
115. McCririe L, Bairden K, Britton C, Buitkamp J, McKeand JB, Stear MJ. 1997. Heterogeneity in the recognition of *Ostertagia circumcincta* antigens by antibody from mature, infected sheep. *Parasite Immunol.* 19: 235-42.
116. Love S, McKeand JB. 1997. Cyathostomosis: practical issues of treatment and control. *Eq Vet Ed.* 9: 253-256.
117. Scott CA, McKeand JB, Devaney E. 1996. A longitudinal study of local and peripheral isotype/subclass antibodies in *Dictyocaulus viviparus*-infected calves. *Vet Immunol Immunopathol.* 53: 235-247.
118. McKeand JB, Duncan JL, Urquhart GM, Kennedy MW. 1996. Isotype-specific antibody responses to the surface exposed antigens of adult and larval stages of *Dictyocaulus viviparus* in infected and vaccinated calves. *Vet Parasitol.* 61: 287-295.
119. McKeand JB, Kennedy MW. 1995. Shedding of surface-bound antibody by adult *Dictyocaulus viviparus*. *Int J Parasitol.* 25, 1255-1258.

120. McKeand JB, Knox DP, Duncan JL, Kennedy MW. 1995. Immunisation of guinea pigs against *Dictyocaulus viviparus* using adult ES products enriched for acetylcholinesterases. *Int J Parasitol.* 25: 829-837.
121. McKeand JB, Knox DP, Duncan JL, Kennedy MW. 1995. Protective immunisation of guinea pigs against *Dictyocaulus viviparus* using excretory/secretory products of adult parasites. *Int J Parasitol.* 25: 95-104.
122. Young CJ, McKeand JB, Knox DP. 1995. Proteinases released *in vitro* by the parasitic stages of *Teladorsagia circumcincta*, an ovine abomasal nematode. *Parasitology.* 110: 465-471.
123. McKeand JB, Knox DP, Duncan JL, Kennedy MW. 1994. The immunogenicity of the acetylcholinesterases of the cattle lungworm, *Dictyocaulus viviparus*. *Int J Parasitol.* 24: 501-510.
124. McKeand JB, Knox DP, Duncan JL, Kennedy MW. 1994. Genetic control of the antibody repertoire against excretory/secretory products and acetylcholinesterases of *Dictyocaulus viviparus*. *Parasite Immunol.* 16: 251-260.
125. Duncan JL, Gilleard JS, McKeand JB. 1992. Diagnosis of parasitic bronchitis in cattle. *Vet Rec.* 130:39.
126. Canto GJ, Britton C, McKeand JB, Kennedy MW, Urquhart GM. 1992. The use of quantitative fluorescence to measure the antibody response to the surface-exposed antigens of the third stage larvae and adult *Dictyocaulus viviparus*. *Rev Lat Microbiol* 34 231-236.
127. McKeand JB, Bairden K, Ibarra-Silva AM. 1988. The degradation of bovine faecal pats containing ivermectin. *Vet Rec.*122: 587-588.

Book Chapters

1. Matthews JB. 2017. 'Prevention and control of parasitic helminths in dairy cattle: key issues and challenges.' In: *Achieving Sustainable Production of Cow's Milk, Vol 2* (Ed. Prof. John Webster) Burleigh Dodds Science Publishing. Chapter 20, pp 487-502.
2. Matthews JB. 2002. 'Parasitic respiratory disease in horses.' In: "The IVIS Electronic Textbook on Equine Respiratory Disease". Ed: P. Lekeux.
3. McKeand JB, Knox DP. 1997. '*Multicellular parasite vaccines.*' In: "Vaccine Manual: the production and quality control of veterinary vaccines for use in developing countries". FAO Animal Production and Health Series. Eds: N. Mowat & M. Rweyemamu. Pp 91-112.