

**Edinburgh Infectious Diseases publications in 2014**

1. 2014. Genome-wide trans-ancestry meta-analysis provides insight into the genetic architecture of type 2 diabetes susceptibility. *Nat Genet* 46:234-244.
2. 2014. A promoter-level mammalian expression atlas. *Nature* 507:462-470.
3. (DGT)., F. C. a. t. R. P. a. C. 2014. A promoter-level mammalian expression atlas. *Nature* 507:462-470.
4. Abdelbary, M. M., A. Wittenberg, C. Cuny, F. Layer, K. Kurt, L. H. Wieler, B. Walther, R. Skov, J. Larsen, H. Hasman, J. R. Fitzgerald, T. C. Smith, J. A. Wagenaar, A. Pantosti, M. Hallin, M. J. Struelens, G. Edwards, R. Bose, U. Nubel, and W. Witte. 2014. Phylogenetic Analysis of *Staphylococcus aureus* CC398 Reveals a SubLineage Epidemiologically Associated with Infections in Horses. *PLoS One* 9:e88083.
5. Abuzaid, A. A., and S. G. Amyes. 2014. The genetic environment of the antiseptic resistance genes *qacEDelta1* and *cepA* in *Klebsiella pneumoniae*. *J Chemother*:1973947814Y0000000181.
6. Achcar, F., A. Fadda, J. R. Haanstra, E. J. Kerkhoven, D. H. Kim, A. E. Leroux, T. Papamarkou, F. Rojas, B. M. Bakker, M. P. Barrett, C. Clayton, M. Girolami, R. L. Krauth-Siegel, K. R. Matthews, and R. Breitling. 2014. The silicon trypanosome: a test case of iterative model extension in systems biology. *Adv Microb Physiol* 64:115143.
7. Al-Shahi Salman, R., P. M. White, C. E. Counsell, J. du Plessis, J. van Beijnum, C. B. Josephson, T. Wilkinson, C. J. Wedderburn, Z. Chandy, E. J. St George, R. J. Sellar, and C. P. Warlow. 2014. Outcome after conservative management or intervention for unruptured brain arteriovenous malformations. *Jama* 311:1661-1669.
8. Alafuzoff, I., M. Pikkarainen, M. Neumann, T. Arzberger, S. Al-Sarraj, I. Bodi, N. Bogdanovic, O. Bugiani, I. Ferrer, E. Gelpi, S. Gentleman, G. Giaccone, M. B. Graeber, T. Hortobagyi, P. G. Ince, J. W. Ironside, N. Kavantzias, A. King, P. Korkolopoulou, G. G. Kovacs, D. Meyronet, C. Monoranu, T. Nilsson, P. Parchi, E. Patsouris, T. Revesz, W. Roggendorf, A. Rozemuller, D. Seilhean, N. Streichenberger, D. R. Thal, S. B. Wharton, and H. Kretschmar. 2014. Neuropathological assessments of the pathology in frontotemporal lobar degeneration with TDP43-positive inclusions: an inter-laboratory study by the BrainNet Europe consortium. *J Neural Transm.*
9. Albers, A., E. Sartono, S. Wahyuni, M. Yazdanbakhsh, R. M. Maizels, U. Klarmann-Schulz, K. Pfarr, and A. Hoerauf. 2014. Real-time PCR detection of the *HhaI* tandem DNA repeat in pre- and post-patent *Brugia malayi* Infections: a study in Indonesian transmigrants. *Parasit Vectors* 7:146.
10. Allebrandt, K. V., M. Teder-Laving, T. Kantermann, A. Peters, H. Campbell, I. Rudan, J. F. Wilson, A. Metspalu, and T. Roenneberg. 2014. Chronotype and sleep duration: The influence of season of assessment. *Chronobiol Int.*
11. Allen, R. C., R. Papat, S. P. Diggle, and S. P. Brown. 2014. Targeting virulence: can we make evolution-proof drugs? *Nat Rev Microbiol* 12:300-308.
12. Alsultan, A. A., E. Aboulmagd, B. A. Evans, and S. G. Amyes. 2014. Clonal diversity of *Acinetobacter baumannii* from diabetic patients in Saudi Arabian hospitals. *J Med Microbiol* 63:1460-1466.
13. Anbazhagan, P., R. K. Harijan, T. R. Kiema, N. Janardan, M. R. Murthy, P. A. Michels, A. H. Juffer, and R. K. Wierenga. 2014. Phylogenetic relationships and classification of thiolases and thiolase-like proteins of *Mycobacterium tuberculosis* and *Mycobacterium smegmatis*. *Tuberculosis (Edinb)*.
14. Andersson, R., C. Gebhard, I. Miguel-Escalada, I. Hoof, J. Bornholdt, M. Boyd, Y. Chen, X. Zhao, C. Schmidl, T. Suzuki, E. Ntini, E. Arner, E. Valen, K. Li, L. Schwarzfischer, D. Glatz, J. Raithel, B. Lilje, N. Rapin, F. O. Bagger, M. Jorgensen, P. R. Andersen, N. Bertin, O. Rackham, A. M. Burroughs, J. K. Baillie, Y. Ishizu, Y. Shimizu, E. Furuhashi, S. Maeda, Y. Negishi, C. J. Mungall, T. F. Meehan, T. Lassmann, M. Itoh, H. Kawaji, N. Kondo, J. Kawai, A. Lennartsson, C. O. Daub, P. Heutink, D. A. Hume, T. H. Jensen, H. Suzuki, Y. Hayashizaki, F. Muller, A. R. Forrest, P. Carninci, M. Rehli, and A. Sandelin. 2014. An atlas of active enhancers across human cell types and tissues. *Nature* 507:455-461.
15. Appleby, L. J., N. Nausch, L. Erskine, C. D. Bourke, N. Rujeni, N. Midzi, T. Mdulaza, and F. Mutapi. 2014. CD16 Expression on Monocytes in Healthy Individuals but Not Schistosome-Infected Patients Is Positively Associated with Levels of Parasite-Specific IgG and IgG1. *PLoS Negl Trop Dis* 8:e3049.
16. Arking, D. E., S. L. Pulit, L. Crotti, P. van der Harst, P. B. Munroe, T. T. Koopmann, N. Sotoodehnia, E. J. Rossin, M. Morley, X. Wang, A. D. Johnson, A. Lundby, D. F. Gudbjartsson, P. A. Noseworthy, M. Eijgelsheim, Y. Bradford, K. V. Tarasov, M. Dorr, M. Muller-Nurasyid, A. M. Lahtinen, I. M. Nolte, A. V. Smith, J. C. Bis, A.

- Isaacs, S. J. Newhouse, D. S. Evans, W. S. Post, D. Waggott, L. P. Lyytikainen, A. A. Hicks, L. Eisele, D. Ellinghaus, C. Hayward, P. Navarro, S. Ulivi, T. Tanaka, D. J. Tester, S. Chatel, S. Gustafsson, M. Kumari, R. W. Morris, A. T. Nalua, S. Padmanabhan, A. Kluttig, B. Strohmer, A. G. Panayiotou, M. Torres, M. Knoflach, J. A. Hubacek, K. Slowikowski, S. Raychaudhuri, R. D. Kumar, T. B. Harris, L. J. Launer, A. R. Shuldiner, A. Alonso, J. S. Bader, G. Ehret, H. Huang, W. H. Kao, J. B. Strait, P. W. Macfarlane, M. Brown, M. J. Caulfield, N. J. Samani, F. Kronenberg, J. Willeit, J. G. Smith, K. H. Greiser, H. Meyer Zu Schwabedissen, K. Werdan, M. Carella, L. Zelante, S. R. Heckbert, B. M. Psaty, J. I. Rotter, I. Kolcic, O. Polasek, A. F. Wright, M. Griffin, M. J. Daly, D. O. Arnar, H. Holm, U. Thorsteinsdottir, J. C. Denny, D. M. Roden, R. L. Zuvich, V. Emilsson, A. S. Plump, M. G. Larson, C. J. O'Donnell, X. Yin, M. Bobbo, A. P. D'Adamo, A. Iorio, G. Sinagra, A. Carracedo, S. R. Cummings, M. A. Nalls, A. Jula, et al. 2014. Genetic association study of QT interval highlights role for calcium signaling pathways in myocardial repolarization. *Nat Genet*.
17. Armitage, A. E., K. Deforche, J. J. Welch, K. Van Laethem, R. Camacho, A. Rambaut, and A. K. Iversen. 2014. Possible footprints of APOBEC3F and/or other APOBEC3 deaminases - but not APOBEC3G - on HIV-1 from patients during acute/early and chronic infection. *J Virol*.
18. Armstrong, S. D., S. A. Babayan, N. Lhermitte-Vallarino, N. Gray, D. Xia, C. Martin, S. Kumar, D. W. Taylor, M. L. Blaxter, J. M. Wastling, and B. L. Makepeace. 2014. Comparative Analysis of the Secretome from a Model Filarial Nematode (*Litomosoides sigmodontis*) reveals Maximal Diversity in Gravid Female Parasites. *Mol Cell Proteomics*.
19. Arnot, D. E. 2014. How malaria parasites avoid running out of ammo. *PLoS Genet* 10:e1004878.
20. Arthur, C., K. Watt, D. H. Nussey, J. M. Pemberton, J. G. Pilkington, J. S. Herman, Z. L. Timmons, D. N. Clements, and P. R. Scott. 2014. Osteoarthritis of the temporo-mandibular joint in free-living Soay sheep on St Kilda. *Vet J*.
21. Asher, A. K., G. M. Santos, J. Evans, E. K. Dokubo, T. H. Lee, J. N. Martin, S. G. Deeks, L. H. Tobler, M. Busch, P. W. Hunt, and K. Page. 2014. A closer look at hepatitis C clearance in HIV controllers: a response. *Aids* 28:1241-1242.
22. Atkinson, N. J., J. Witteveldt, D. J. Evans, and P. Simmonds. 2014. The influence of CpG and UpA dinucleotide frequencies on RNA virus replication and characterization of the innate cellular pathways underlying virus attenuation and enhanced replication. *Nucleic Acids Res* 42:4527-4545.
23. Bachofen, C., D. M. Grant, K. Willoughby, R. N. Zadoks, M. P. Dagleish, and G. C. Russell. 2014. Experimental infection of rabbits with bovine viral diarrhoea virus by a natural route of exposure. *Vet Res* 45:34.
24. Balic, A., C. Garcia-Morales, L. Vervelde, H. Gilhooley, A. Sherman, V. Garceau, M. W. Gutowska, D. W. Burt, P. Kaiser, D. A. Hume, and H. M. Sang. 2014. Visualisation of chicken macrophages using transgenic reporter genes: insights into the development of the avian macrophage lineage. *Development* 141:3255-3265.
25. Balogun, E. O., D. K. Inaoka, T. Shiba, Y. Kido, C. Tsuge, T. Nara, T. Aoki, T. Honma, A. Tanaka, M. Inoue, S. Matsuoka, P. A. Michels, K. Kita, and S. Harada. 2014. Molecular basis for the reverse reaction of African human trypanosomes glycerol kinase. *Mol Microbiol*.
26. Barlow, P. G., E. G. Findlay, S. M. Currie, and D. J. Davidson. 2014. Antiviral potential of cathelicidins. *Future Microbiol* 9:55-73.
27. Barr, L. C., M. Brittan, A. C. Morris, D. F. McAuley, C. McCormack, A. M. Fletcher, H. Richardson, M. Connell, D. Patel, W. A. Wallace, A. G. Rossi, D. J. Davidson, L. Manson, M. Turner, N. Hirani, T. S. Walsh, N. H. Anderson, K. Dhaliwal, and A. J. Simpson. 2014. Reply: The alveolar macrophage and acute respiratory distress syndrome: a silent actor? *Am J Respir Crit Care Med* 189:500-501.
28. Barria, M. A., A. Balachandran, M. Morita, T. Kitamoto, R. Barron, J. Manson, R. Knight, J. W. Ironside, and M. W. Head. 2014. Molecular barriers to zoonotic transmission of prions. *Emerg Infect Dis* 20:88-97.
29. Barria, M. A., J. W. Ironside, and M. W. Head. 2014. Exploring the zoonotic potential of animal prion diseases: In vivo and in vitro approaches. *Prion* 8.
30. Barros-Alvarez, X., A. J. Caceres, P. A. Michels, J. L. Concepcion, and W. Quinones. 2014. The phosphoglycerate kinase isoenzymes have distinct roles in the regulation of carbohydrate metabolism in *Trypanosoma cruzi*. *Exp Parasitol* 143:39-47.
31. Barros-Alvarez, X., M. Gualdron-Lopez, H. Acosta, A. J. Caceres, M. A. Graminha, P. A. Michels, J. L. Concepcion, and W. Quinones. 2014. Glycosomal targets for anti-trypanosomatid drug discovery. *Curr Med Chem* 21:1679-1706.

32. Bauer, M. P., P. H. Nibbering, I. R. Poxton, E. J. Kuijper, and J. T. van Dissel. 2014. Humoral immune response as predictor of recurrence in *Clostridium difficile* infection. *Clin Microbiol Infect*.
33. Baumert, J., J. Huang, B. McKnight, M. Sabater-Lleal, M. Steri, A. Y. Chu, S. Trompet, L. M. Lopez, M. Fornage, A. Teumer, W. Tang, A. R. Rudnicka, A. Malarstig, J. J. Hottenga, M. Kavousi, J. Lahti, T. Tanaka, C. Hayward, J. E. Huffman, P. E. Morange, L. M. Rose, S. Basu, A. Rumley, D. J. Stott, B. M. Buckley, A. J. de Craen, S. Sanna, M. Masala, R. Biffar, G. Homuth, A. Silveira, B. Sennblad, A. Goel, H. Watkins, M. Muller-Nurasyid, R. Ruckerl, K. Taylor, M. H. Chen, E. J. de Geus, A. Hofman, J. C. Witteman, M. P. de Maat, A. Palotie, G. Davies, D. S. Siscovick, I. Kolcic, S. H. Wild, J. Song, W. L. McArdle, I. Ford, N. Sattar, D. Schlessinger, A. Grotevendt, M. G. Franzosi, T. Illig, M. Waldenberger, T. Lumley, G. H. Tofler, G. Willemsen, A. G. Uitterlinden, F. Rivadeneira, K. Raikonen, D. I. Chasman, A. R. Folsom, G. D. Lowe, R. G. Westendorp, P. E. Slagboom, F. Cucca, H. Wallaschofski, R. J. Strawbridge, U. Seedorf, W. Koenig, J. C. Bis, K. J. Mukamal, J. van Dongen, E. Widen, O. H. Franco, J. M. Starr, K. Liu, L. Ferrucci, O. Polasek, J. F. Wilson, T. Oudot-Mellakh, H. Campbell, P. Navarro, S. Bandinelli, J. Eriksson, D. I. Boomsma, A. Dehghan, R. Clarke, A. Hamsten, E. Boerwinkle, J. W. Jukema, S. Naitza, P. M. Ridker, H. Volzke, I. J. Deary, A. P. Reiner, D. A. Tregouet, C. J. O'Donnell, et al. 2014. No evidence for genome-wide interactions on plasma fibrinogen by smoking, alcohol consumption and body mass index: results from meta-analyses of 80,607 subjects. *PLoS One* 9:e111156.
34. Beale, R., H. Wise, A. Stuart, B. J. Ravenhill, P. Digard, and F. Randow. 2014. A LC3-Interacting Motif in the Influenza A Virus M2 Protein Is Required to Subvert Autophagy and Maintain Virion Stability. *Cell Host Microbe* 15:239-247.
35. Beard, P. M., S. J. Griffiths, O. Gonzalez, I. R. Haga, T. Pechenick Jowers, D. K. Reynolds, J. Wildenhain, H. Tekotte, M. Auer, M. Tyers, P. Ghazal, R. Zimmer, and J. Haas. 2014. A Loss of Function Analysis of Host Factors Influencing Vaccinia virus Replication by RNA Interference. *PLoS One* 9:e98431.
36. Beaumont, P. E., B. McHugh, E. Gwyer Findlay, A. Mackellar, K. J. Mackenzie, R. L. Gallo, J. R. Govan, A. J. Simpson, and D. J. Davidson. 2014. Cathelicidin Host Defence Peptide Augments Clearance of Pulmonary *Pseudomonas aeruginosa* Infection by Its Influence on Neutrophil Function In Vivo. *PLoS One* 9:e99029.
37. Bedford, T., M. A. Suchard, P. Lemey, G. Dudas, V. Gregory, A. J. Hay, J. W. McCauley, C. A. Russell, D. J. Smith, and A. Rambaut. 2014. Integrating influenza antigenic dynamics with molecular evolution. *Elife* 3:e01914.
38. Bedi, P., M. K. Sidhu, L. S. Donaldson, J. D. Chalmers, M. P. Smith, K. Turnbull, J. L. Pentland, J. Scott, and A. T. Hill. 2014. A prospective cohort study of the use of domiciliary intravenous antibiotics in bronchiectasis. *NPI Prim Care Respir Med* 24:14090.
39. Belluti, F., E. Uliassi, G. Veronesi, C. Bergamini, M. Kaiser, R. Brun, A. Viola, R. Fato, P. A. Michels, R. L. KrauthSiegler, A. Cavalli, and M. L. Bolognesi. 2014. Toward the Development of Dual-Targeted Glyceraldehyde-3phosphate Dehydrogenase/Trypanothione Reductase Inhibitors against *Trypanosoma brucei* and *Trypanosoma cruzi*. *ChemMedChem* 9:371-382.
40. Benezech, C., S. Nayar, B. A. Finney, D. R. Withers, K. Lowe, G. E. Desanti, C. L. Marriot, S. P. Watson, J. H. Caamano, C. D. Buckley, and F. Barone. 2014. CLEC-2 is required for development and maintenance of lymph nodes. *Blood*.
41. Benezech, C., S. Nayar, B. A. Finney, D. R. Withers, K. Lowe, G. E. Desanti, C. L. Marriott, S. P. Watson, J. H. Caamano, C. D. Buckley, and F. Barone. 2014. CLEC-2 is required for development and maintenance of lymph nodes. *Blood* 123:3200-3207.
42. Berenos, C., P. A. Ellis, J. G. Pilkington, and J. M. Pemberton. 2014. Estimating quantitative genetic parameters in wild populations: a comparison of pedigree and genomic approaches. *Mol Ecol* 23:3434-3451.
43. Bermingham, M. L., S. C. Bishop, J. A. Woolliams, R. Pong-Wong, A. R. Allen, S. H. McBride, J. J. Ryder, D. M. Wright, R. A. Skuce, S. W. McDowell, and E. J. Glass. 2014. Genome-wide association study identifies novel loci associated with resistance to bovine tuberculosis. *Heredity (Edinb)* 112:543-551.
44. Bettridge, J. M., S. E. Lynch, M. C. Brena, K. Melese, T. Dessie, Z. G. Terfa, T. T. Desta, S. Rushton, O. Hanotte, P. Kaiser, P. Wigley, and R. M. Christley. 2014. Infection-interactions in Ethiopian village chickens. *Prev Vet Med*.
45. Bielejec, F., P. Lemey, G. Baele, A. Rambaut, and M. A. Suchard. 2014. Inferring heterogeneous evolutionary processes through time: from sequence substitution to phylogeography. *Syst Biol* 63:493-504.
46. Bielejec, F., P. Lemey, L. M. Carvalho, G. Baele, A. Rambaut, and M. A. Suchard. 2014. piBUSS: a parallel BEAST/BEAGLE utility for sequence simulation under complex evolutionary scenarios. *BMC Bioinformatics* 15:133.

47. Blackburn, E. A., F. A. Fuad, H. P. Morgan, M. W. Nowicki, M. A. Wear, P. A. Michels, L. A. Fothergill-Gilmore, and M. D. Walkinshaw. 2014. Trypanosomatid phosphoglycerate mutases have multiple conformational and oligomeric states. *Biochem Biophys Res Commun* 450:936-941.
48. Bolton, J. L., C. Hayward, N. Direk, J. G. Lewis, G. L. Hammond, L. A. Hill, A. Anderson, J. Huffman, J. F. Wilson, H. Campbell, I. Rudan, A. Wright, N. Hastie, S. H. Wild, F. P. Velders, A. Hofman, A. G. Uitterlinden, J. Lahti, K. Raikonen, E. Kajantie, E. Widen, A. Palotie, J. G. Eriksson, M. Kaakinen, M. R. Jarvelin, N. J. Timpson, G. Davey Smith, S. M. Ring, D. M. Evans, B. St Pourcain, T. Tanaka, Y. Milaneschi, S. Bandinelli, L. Ferrucci, P. van der Harst, J. G. Rosmalen, S. J. Bakker, N. Verweij, R. P. Dullaart, A. Mahajan, C. M. Lindgren, A. Morris, L. Lind, E. Ingelsson, L. N. Anderson, C. E. Pennell, S. J. Lye, S. G. Matthews, J. Eriksson, D. Mellstrom, C. Ohlsson, J. F. Price, M. W. Strachan, R. M. Reynolds, H. Tiemeier, and B. R. Walker. 2014. Genome Wide Association Identifies Common Variants at the SERPINA6/SERPINA1 Locus Influencing Plasma Cortisol and Corticosteroid Binding Globulin. *PLoS Genet* 10:e1004474.
49. Bont, L., E. Baraldi, B. Fauroux, A. Greenough, T. Heikkinen, P. Manzoni, F. Martinon-Torres, H. Nair, and N. G. Papadopoulos. 2014. RSV - still more questions than answers. *Pediatr Infect Dis J*.
50. Borges, A. H., J. D. Lundgren, A. Ridolfo, C. Katlama, F. Antunes, A. Grzeszczuk, A. Blaxhult, V. M. Mitsura, M. Doroana, M. Battegay, P. Gargalianos, and A. Mocroft. 2014. Thrombocytopenia is associated with an increased risk of cancer during treated HIV disease. *Aids* 28:2565-2571.
51. Bouckaert, R., J. Heled, D. Kuhnert, T. Vaughan, C. H. Wu, D. Xie, M. A. Suchard, A. Rambaut, and A. J. Drummond. 2014. BEAST 2: A Software Platform for Bayesian Evolutionary Analysis. *PLoS Comput Biol* 10:e1003537.
52. Bourke, C. D., N. Nausch, N. Rujeni, L. J. Appleby, F. Trottein, N. Midzi, T. Mduluz, and F. Mutapi. 2014. Cytokine Responses to the Anti-schistosome Vaccine Candidate Antigen Glutathione-S-transferase Vary with Host Age and Are Boosted by Praziquantel Treatment. *PLoS Negl Trop Dis* 8:e2846.
53. Bradford, B. M., P. R. Crocker, and N. A. Mabbott. 2014. Peripheral prion disease pathogenesis is unaltered in the absence of sialoadhesin (Siglec-1/CD169). *Immunology* 143:120-129.
54. Bradford, B. M., P. Piccardo, J. W. Ironside, and N. A. Mabbott. 2014. Human prion diseases and the risk of their transmission during anatomical dissection. *Clin Anat*.
55. Bredenkamp, N., C. S. Nowell, and C. C. Blackburn. 2014. Regeneration of the aged thymus by a single transcription factor. *Development* 141:1627-1637.
56. Bredenkamp, N., S. Ulyanchenko, K. E. O'Neill, N. R. Manley, H. J. Vaidya, and C. C. Blackburn. 2014. An organized and functional thymus generated from FOXN1-reprogrammed fibroblasts. *Nat Cell Biol* 16:902-908.
57. Bridle, H., B. Miller, and M. P. Desmulliez. 2014. Application of microfluidics in waterborne pathogen monitoring: A review. *Water Res* 55C:256-271.
58. Briggs, R., K. Templeton, and I. Fernando. 2014. Comparing HIV viral load assays and frequency of low level virological rebound in clinical practice. *Int J STD AIDS*.
59. Brimacombe, K. R., M. J. Walsh, L. Liu, M. G. Vasquez-Valdivieso, H. P. Morgan, I. McNae, L. A. Fothergill-Gilmore, P. A. Michels, D. S. Auld, A. Simeonov, M. D. Walkinshaw, M. Shen, and M. B. Boxer. 2014. Identification of ML251, a Potent Inhibitor of *T. brucei* and *T. cruzi* Phosphofructokinase. *ACS Med Chem Lett* 5:12-17.
60. Brittan, M., L. C. Barr, N. Anderson, A. Conway Morris, R. Duffin, J. A. Marwick, F. Rossi, S. Johnson, K. Dhaliwal, N. Hirani, A. G. Rossi, and A. J. Simpson. 2014. Functional characterisation of human pulmonary monocyte-like cells in lipopolysaccharide-mediated acute lung inflammation. *J Inflamm (Lond)* 11:9.
61. Brown, K. L., and N. A. Mabbott. 2014. Evidence of sub-clinical prion disease in aged mice following exposure to bovine spongiform encephalopathy. *J Gen Virol* 95:231-243.
62. Brown, T. I., D. S. Collie, D. J. Shaw, N. M. Rzechorzek, and J. M. Sallenave. 2014. Sheep lung segmental delivery strategy demonstrates adenovirus priming of local lung responses to bacterial LPS and the role of elafin as a response modulator. *PLoS One* 9:e107590.
63. Bryson, K. J., A. A. Nash, and M. Norval. 2014. Does vitamin D protect against respiratory viral infections? *Epidemiol Infect* 142:1789-1801.
64. Bull, T. J., C. Vrettou, R. Linedale, C. McGuinness, S. Strain, J. McNair, S. C. Gilbert, and J. C. Hope. 2014. Immunity, safety and protection of an Adenovirus 5 prime - Modified Vaccinia virus Ankara boost subunit vaccine against *Mycobacterium avium* subspecies paratuberculosis infection in calves. *Vet Res* 45:112.



65. Busin, V., F. Kenyon, T. Parkin, D. McBean, N. Laing, N. D. Sargison, and K. Ellis. 2014. Production impact of a targeted selective treatment system based on liveweight gain in a commercial flock. *Vet J*.
66. Callaby, R., O. Hanotte, V. A. N. W. I. Conradie, H. Kiara, P. Toye, M. N. Mbole-Kariuki, A. Jennings, S. M. Thumbi, J. A. Coetzer, C. B. B. M. de, S. A. Knott, M. E. Woolhouse, and L. E. Kruuk. 2014. Variation and covariation in strongyle infection in East African shorthorn zebu calves. *Parasitology*:1-13.
67. Campbell, H., and H. Nair. 2014. Humanitarian crises due to natural disasters and armed conflict. *J R Coll Physicians Edinb* 44:216-217.
68. Campopiano, D. J. 2014. ACP-AasS You Like It. *Chem Biol* 21:1257-1259.
69. Canton, G. J., F. Katzer, S. W. Maley, P. M. Bartley, J. Benavides-Silvan, J. Palarea-Albaladejo, Y. Pang, S. H. Smith, M. Rocchi, D. Buxton, E. A. Innes, and F. Chianini. 2014. Cytokine expression in the placenta of pregnant cattle after inoculation with *Neospora caninum*. *Vet Immunol Immunopathol*.
70. Canton, G. J., F. Katzer, S. W. Maley, P. M. Bartley, J. Benavides-Silvan, J. Palarea-Albaladejo, Y. Pang, S. H. Smith, M. S. Rocchi, D. Buxton, E. A. Innes, and F. Chianini. 2014. Inflammatory infiltration into placentas of *Neospora caninum* challenged cattle correlates with clinical outcome of pregnancy. *Vet Res* 45:11.
71. Cape, E., R. J. Hall, B. C. van Munster, A. de Vries, S. E. Howie, A. Pearson, S. D. Middleton, F. Gillies, I. R. Armstrong, T. O. White, C. Cunningham, S. E. de Rooij, and A. M. MacLulich. 2014. Cerebrospinal fluid markers of neuroinflammation in delirium: A role for interleukin-1beta in delirium after hip fracture. *J Psychosom Res* 77:219-225.
72. Cardenas-Maestre, J. M., A. M. Perez-Lopez, M. Bradley, and R. M. Sanchez-Martin. 2014. Microsphere-Based Intracellular Sensing of Caspase-3/7 in Apoptotic Living Cells. *Macromol Biosci*.
73. Carter, L. M., P. Schneider, and S. E. Reece. 2014. Information use and plasticity in the reproductive decisions of malaria parasites. *Malar J* 13:115.
74. Casaravilla, C., A. Pittini, D. Ruckerl, P. I. Seoane, S. J. Jenkins, A. S. MacDonald, A. M. Ferreira, J. E. Allen, and A. Diaz. 2014. Unconventional maturation of dendritic cells induced by particles from the laminated layer of larval *Echinococcus granulosus*. *Infect Immun* 82:3164-3176.
75. Cavanagh, D. R., C. H. Kocken, J. H. White, G. J. Cowan, K. Samuel, M. A. Dubbeld, A. V. der Wel, A. W. Thomas, J. S. McBride, and D. E. Arnot. 2014. Antibody Responses to a Novel *Plasmodium falciparum* Merozoite Surface Protein Vaccine Correlate with Protection against Experimental Malaria Infection in Aotus Monkeys. *PLoS One* 9:e83704.
76. Chalmers, J. D., G. B. Fleming, J. Rutherford, M. Matsushita, D. C. Kilpatrick, and A. T. Hill. 2014. Serum Ficolin-2 in Hospitalised Patients with Community-Acquired Pneumonia. *Inflammation*.
77. Chalmers, J. D., P. Goeminne, S. Aliberti, M. J. McDonnell, S. Lonni, J. Davidson, L. Poppelwell, W. Salih, A. Pesci, L. J. Dupont, T. C. Fardon, A. De Soyza, and A. T. Hill. 2014. The bronchiectasis severity index. An international derivation and validation study. *Am J Respir Crit Care Med* 189:576-585.
78. Chandra, A., D. Mitry, A. Wright, H. Campbell, and D. G. Charteris. 2014. Genome-wide association studies: applications and insights gained in Ophthalmology. *Eye (Lond)*.
79. Cherif, M. K., G. S. Sanou, E. C. Bougouma, A. Diarra, A. Ouedraogo, A. Dolo, M. Troye-Blomberg, D. R. Cavanagh, M. Theisen, D. Modiano, S. B. Sirima, and I. Nebie. 2014. Is Fc gamma receptor IIA (FcgammaRIIA) polymorphism associated with clinical malaria and *Plasmodium falciparum* specific antibody levels in children from Burkina Faso? *Acta Trop* 142C:41-46.
80. Chilton, C. H., S. E. Gharbia, M. Fang, R. Misra, I. R. Poxton, S. P. Borriello, and H. Shah. 2014. Comparative Proteomic Analysis of *Clostridium difficile* Isolates of Varying Virulence. *J Med Microbiol* 63:489-503.
81. Cho, W. S., F. Thielbeer, R. Duffin, E. M. Johansson, I. L. Megson, W. MacNee, M. Bradley, and K. Donaldson. 2014. Surface functionalization affects the zeta potential, coronal stability and membranolytic activity of polymeric nanoparticles. *Nanotoxicology* 8:202-211.
82. Choi, Y. P., M. W. Head, J. W. Ironside, and S. A. Priola. 2014. Uptake and Degradation of Protease-Sensitive and -Resistant Forms of Abnormal Human Prion Protein Aggregates by Human Astrocytes. *Am J Pathol*.
83. Chrysafidis, A. L., G. Canton, F. Chianini, E. A. Innes, E. H. Madureira, and S. M. Gennari. 2014. Pathogenicity of Nc-Bahia and Nc-1 strains of *Neospora caninum* in experimentally infected cows and buffaloes in early pregnancy. *Parasitol Res* 113:1521-1528.
84. Chrysafidis, A. L., G. Canton, F. Chianini, E. A. Innes, E. H. Madureira, R. M. Soares, and S. M. Gennari. 2014. Abortion and foetal lesions induced by *Neospora caninum* in experimentally infected water buffaloes (*Bubalus bubalis*). *Parasitol Res*.

85. Ciccolini, M., T. Donker, H. Grundmann, M. J. Bonten, and M. E. Woolhouse. 2014. Efficient surveillance for healthcare-associated infections spreading between hospitals. *Proc Natl Acad Sci U S A* 111:2271-2276.
86. Claussnitzer, M., S. N. Dankel, B. Klocke, H. Grallert, V. Glunk, T. Berulava, H. Lee, N. Oskolkov, J. Fadista, K. Ehlers, S. Wahl, C. Hoffmann, K. Qian, T. Ronn, H. Riess, M. Muller-Nurasyid, N. Bretschneider, T. Schroeder, T. Skurk, B. Horsthemke, D. Spieler, M. Klingenspor, M. Seifert, M. J. Kern, N. Mejhert, I. Dahlman, O. Hansson, S. M. Hauck, M. Bluher, P. Arner, L. Groop, T. Illig, K. Suhre, Y. H. Hsu, G. Mellgren, H. Hauner, and H. Laumen. 2014. Leveraging cross-species transcription factor binding site patterns: from diabetes risk loci to disease mechanisms. *Cell* 156:343-358.
87. Coakley, C. M., V. Staszewski, K. A. Herborn, and E. J. Cunningham. 2014. Factors affecting the levels of protection transferred from mother to offspring following immune challenge. *Front Zool* 11:46.
88. Connaris, H., E. A. Govorkova, Y. Ligertwood, B. M. Dutia, L. Yang, S. Tauber, M. A. Taylor, N. Alias, R. Hagan, A. A. Nash, R. G. Webster, and G. L. Taylor. 2014. Prevention of influenza by targeting host receptors using engineered proteins. *Proc Natl Acad Sci U S A* 111:6401-6406.
89. Consortium, D. G. R. A. M.-a. D. 2014. Genome-wide trans-ancestry meta-analysis provides insight into the genetic architecture of type 2 diabetes susceptibility. *Nat Genet*.
90. Corbett, C. J., S. Love, A. Moore, F. A. Burden, J. B. Matthews, and M. J. Denwood. 2014. The effectiveness of faecal removal methods of pasture management to control the cyathostomin burden of donkeys. *Parasit Vectors* 7:48.
91. Corbin, L. J., A. Kranis, S. C. Blott, J. E. Swinburne, M. Vaudin, S. C. Bishop, and J. A. Woolliams. 2014. The utility of low-density genotyping for imputation in the Thoroughbred horse. *Genet Sel Evol* 46:9.
92. Corbishley, A., N. I. Ahmad, K. Hughes, M. R. Hutchings, S. P. McAteer, T. K. Connelley, H. Brown, D. L. Gally, and T. N. McNeilly. 2014. Strain dependent cellular immune responses in cattle following *Escherichia coli* O157:H7 colonisation. *Infect Immun*.
93. Corbishley, A., N. I. Ahmad, K. Hughes, M. R. Hutchings, S. P. McAteer, T. K. Connelley, H. Brown, D. L. Gally, and T. N. McNeilly. 2014. Strain-dependent cellular immune responses in cattle following *Escherichia coli* O157:H7 colonization. *Infect Immun* 82:5117-5131.
94. Cotten, M., S. J. Watson, A. I. Zumla, H. Q. Makhdoom, A. L. Palser, S. H. Ong, A. A. Al Rabeeah, R. F. Alhakeem, A. Assiri, J. A. Al-Tawfiq, A. Albarrak, M. Barry, A. Shibl, F. A. Alrabiah, S. Hajjar, H. H. Balkhy, H. Flemban, A. Rambaut, P. Kellam, and Z. A. Memish. 2014. Spread, circulation, and evolution of the middle East respiratory syndrome coronavirus. *MBio* 5.
95. Cowan, G. J., U. Bockau, J. Eleni-Muus, I. Aldag, K. Samuel, A. M. Creasey, M. W. Hartmann, and D. R. Cavanagh. 2014. A Novel Malaria Vaccine Candidate Antigen Expressed in *Tetrahymena thermophila*. *PLoS One* 9:e87198.
96. Craig, N. M., D. W. Smith, J. A. Pate, I. W. Morrison, and P. A. Knight. 2014. Local cytokine transcription in naive and previously infected sheep and lambs following challenge with *Teladorsagia circumcincta*. *BMC Vet Res* 10:87.
97. Cubie, H. A., M. Canham, C. Moore, J. Pedraza, C. Graham, and K. Cuschieri. 2014. Evaluation of commercial HPV assays in the context of post-treatment follow-up: Scottish Test of Cure Study (STOCS-H). *J Clin Pathol* 67:458-463.
98. Cuschieri, K., D. Brewster, C. Graham, S. Nicoll, A. Williams, G. Murray, D. Millan, I. Johannessen, A. Hardie, and H. Cubie. 2014. Influence of HPV type on prognosis in patients diagnosed with invasive cervical cancer. *International journal of cancer* 135:2721-2726.
99. Davidson, L. R., C. A. Llewelyn, J. M. Mackenzie, P. E. Hewitt, and R. G. Will. 2014. Variant CJD and blood transfusion: are there additional cases? *Vox Sang* 107:220-225.
100. De Visscher, A., K. Supre, F. Haesebrouck, R. N. Zadoks, V. Piessens, E. Van Coillie, S. Piepers, and S. De Vlieghe. 2014. Further evidence for the existence of environmental and host-associated species of coagulase-negative staphylococci in dairy cattle. *Vet Microbiol* 172:466-474.
101. Deaton, A. M., P. C. Cook, D. De Sousa, A. T. Phythian-Adams, A. Bird, and A. S. MacDonald. 2014. A unique DNA methylation signature defines a population of IFN-gamma/IL-4 double-positive T cells during helminth infection. *Eur J Immunol* 44:1835-1841.
102. Deaton, A. M., P. C. Cook, D. D. Sousa, A. T. Phythian-Adams, A. Bird, and A. S. Macdonald. 2014. A unique DNA methylation signature defines a population of IFN-gamma/IL-4 double-positive T cells during helminth infection. *Eur J Immunol*.

103. Delannoy, C. M., R. N. Zadoks, M. Crumlish, D. Rodgers, F. A. Lainson, H. W. Ferguson, J. Turnbull, and M. C. Fontaine. 2014. Genomic comparison of virulent and non-virulent *Streptococcus agalactiae* in fish. *J Fish Dis*.
104. Diack, A. B., M. W. Head, S. McCutcheon, A. Boyle, R. Knight, J. W. Ironside, J. C. Manson, and R. G. Will. 2014. Variant CJD: 18 years of research and surveillance. *Prion* 8.
105. Dicker, A. J., N. F. Inglis, E. D. Manson, S. Subhadra, M. Illangopathy, R. Muthusamy, and D. P. Knox. 2014. Proteomic Analysis of *Mecistocirrus digitatus* and *Haemonchus contortus* Intestinal Protein Extracts and Subsequent Efficacy Testing in a Vaccine Trial. *PLoS Negl Trop Dis* 8:e2909.
106. Dimitriu, T., C. Lotton, J. Benard-Capelle, D. Misevic, S. P. Brown, A. B. Lindner, and F. Taddei. 2014. Genetic information transfer promotes cooperation in bacteria. *Proc Natl Acad Sci U S A* 111:11103-11108.
107. Donaldson, D. S., B. M. Bradford, D. Artis, and N. A. Mabbott. 2014. Reciprocal regulation of lymphoid tissue development in the large intestine by IL-25 and IL-23. *Mucosal Immunol*.
108. Dorward, D. A., A. G. Rossi, I. Dransfield, and C. D. Lucas. 2014. Assessment of neutrophil apoptosis. *Methods Mol Biol* 1124:159-180.
109. Dorward, D. A., S. Sharma, A. L. Alessandri, A. G. Rossi, and C. D. Lucas. 2014. Assays of eosinophil apoptosis and phagocytic uptake. *Methods Mol Biol* 1178:177-195.
110. Dransfield, I. 2014. Inhibitory FcγRIIb and CD20 internalization. *Blood* 123:606-607.
111. Dudas, G., T. Bedford, S. Lycett, and A. Rambaut. 2014. Reassortment between influenza B lineages and the emergence of a co-adapted PB1-PB2-HA gene complex. *Mol Biol Evol*.
112. Dudas, G., and A. Rambaut. 2014. Phylogenetic Analysis of Guinea 2014 EBOV Ebolavirus Outbreak. *PLoS Curr* 6.
113. Duffy, C. R., R. Zhang, S. E. How, A. Lilienkampf, P. A. De Sousa, and M. Bradley. 2014. Long term mesenchymal stem cell culture on a defined synthetic substrate with enzyme free passaging. *Biomaterials* 35:5998-6005.
114. Dunselman, G. A., N. Vermeulen, C. Becker, C. Calhaz-Jorge, T. D'Hooghe, B. De Bie, O. Heikinheimo, A. W. Horne, L. Kiesel, A. Nap, A. Prentice, E. Saridogan, D. Soriano, and W. Nelen. 2014. ESHRE guideline: management of women with endometriosis. *Hum Reprod*.
115. Ellis, S., J. B. Matthews, D. J. Shaw, S. Paterson, H. E. McWilliam, N. F. Inglis, and A. J. Nisbet. 2014. Ovine IgA reactive proteins from *Teladorsagia circumcincta* infective larvae. *Int J Parasitol*.
116. Eltawil, N. M., S. E. Howie, A. H. Simpson, A. K. Amin, and A. C. Hall. 2014. The use of hyperosmotic saline for chondroprotection: implications for orthopaedic surgery and cartilage repair. *Osteoarthritis Cartilage*.
117. Entrican, G., S. R. Wattegedera, and D. J. Griffiths. 2014. Exploiting ovine immunology to improve the relevance of biomedical models. *Mol Immunol*.
118. Erhard, F., J. Haas, D. Lieber, G. Malterer, L. Jaskiewicz, M. Zavolan, L. Dolken, and R. Zimmer. 2014. Widespread context-dependency of microRNA-mediated regulation. *Genome Res*.
119. Estrela, S., M. Whiteley, and S. P. Brown. 2014. The demographic determinants of human microbiome health. *Trends Microbiol*.
120. Evans, B. A., and S. G. Amyes. 2014. OXA beta-Lactamases. *Clin Microbiol Rev* 27:241-263.
121. Faria, N. R., A. Rambaut, M. A. Suchard, G. Baele, T. Bedford, M. J. Ward, A. J. Tatem, J. D. Sousa, N. Arinaminpathy, J. Pepin, D. Posada, M. Peeters, O. G. Pybus, and P. Lemey. 2014. HIV epidemiology. The early spread and epidemic ignition of HIV-1 in human populations. *Science* 346:56-61.
122. Felton, J. M., C. D. Lucas, A. G. Rossi, and I. Dransfield. 2014. Eosinophils in the lung - modulating apoptosis and efferocytosis in airway inflammation. *Front Immunol* 5:302.
123. Fernando, I., J. Pritchard, S. K. Edwards, and D. Grover. 2014. UK national guideline for the management of Genital Molluscum in adults, 2014 Clinical Effectiveness Group, British Association for Sexual Health and HIV. *Int J STD AIDS*.
124. Filbey, K. J., J. R. Grainger, K. A. Smith, L. Boon, N. van Rooijen, Y. H Marcus, S. Jenkins, J. P. Hewitson, and R. M. Maizels. 2014. Innate and adaptive type 2 immune cell responses in genetically controlled resistance to intestinal helminth infection. *Immunol Cell Biol* 92:436-448.
125. Firth, C., M. Bhat, M. A. Firth, S. H. Williams, M. J. Frye, P. Simmonds, J. M. Conte, J. Ng, J. Garcia, N. P. Bhuvu, B. Lee, X. Che, P. L. Quan, and W. I. Lipkin. 2014. Detection of Zoonotic Pathogens and Characterization of Novel Viruses Carried by Commensal *Rattus norvegicus* in New York City. *MBio* 5.
126. Fitzgerald, J. R. 2014. Evolution of *Staphylococcus aureus* during human colonization and infection. *Infect Genet Evol* 21:542-547.

127. Flynn, B. T., and I. Fernando. 2014. A teaching intervention for medical undergraduates to practice skills and attitudes necessary for providing sexual health care. *Med Teach*:1.
128. Foster, G. M., J. C. Ambrose, S. Hue, V. C. Delpech, E. Fearnhill, A. B. Abecasis, A. J. Leigh Brown, and A. M. Geretti. 2014. Novel HIV-1 Recombinants Spreading across Multiple Risk Groups in the United Kingdom: The Identification and Phylogeography of Circulating Recombinant Form (CRF) 50\_A1D. *PLoS One* 9:e83337.
129. Frederickson Matika, D. E., and G. J. Loake. 2014. Redox Regulation in Plant Immune Function. *Antioxid Redox Signal*.
130. Frew, L., S. Makieva, A. T. McKinlay, B. J. McHugh, A. Doust, J. E. Norman, D. J. Davidson, and S. J. Stock. 2014. Human Cathelicidin Production by the Cervix. *PLoS One* 9:e103434.
131. Garbutt, J. S., and T. J. Little. 2014. Maternal food quantity affects offspring feeding rate in *Daphnia magna*. *Biol Lett* 10.
132. Garbutt, J. S., A. J. O'Donghue, S. J. McTaggart, P. J. Wilson, and T. J. Little. 2014. The development of pathogen resistance in *Daphnia magna*: implications for disease spread in age-structured populations. *J Exp Biol*.
133. Garcia-Morales, C., L. Rothwell, L. Moffat, V. Garceau, A. Balic, H. M. Sang, P. Kaiser, and D. A. Hume. 2014. Production and characterisation of a monoclonal antibody that recognises the chicken CSF1 receptor and confirms that expression is restricted to macrophage-lineage cells. *Dev Comp Immunol* 42:278-285.
134. Gates, M., R. W. Humphry, G. J. Gunn, and M. E. Woolhouse. 2014. Not all cows are epidemiologically equal: quantifying the risks of bovine viral diarrhoea virus (BVDV) transmission through cattle movements. *Vet Res* 45:110.
135. Gates, M. C., and M. E. Woolhouse. 2014. Suboptimal herd performance amplifies the spread of infectious disease in the cattle industry. *PLoS One* 9:e93410.
136. Gathogo, E., S. Jose, R. Jones, J. B. Levy, N. E. Mackie, J. Booth, J. Connolly, M. Johnson, C. Leen, D. Williams, C. A. Sabin, and F. A. Post. 2014. End-stage kidney disease and kidney transplantation in HIV positive patients: an observational cohort study. *J Acquir Immune Defic Syndr* 67:177-180.
137. Geldsetzer, P., T. C. Williams, A. Kirolos, S. Mitchell, L. A. Ratcliffe, M. K. Kohli-Lynch, E. J. Bischoff, S. Cameron, and H. Campbell. 2014. The recognition of and care seeking behaviour for childhood illness in developing countries: a systematic review. *PLoS One* 9:e93427.
138. Gibson, M. S., P. Kaiser, and M. Fife. 2014. The chicken IL-1 family: evolution in the context of the studied vertebrate lineage. *Immunogenetics* 66:427-438.
139. Gill, A. C. 2014. beta-Hairpin-Mediated Formation of Structurally Distinct Multimers of Neurotoxic Prion Peptides. *PLoS One* 9:e87354.
140. Gire, S. K., A. Goba, K. G. Andersen, R. S. Sealfon, D. J. Park, L. Kanneh, S. Jalloh, M. Momoh, M. Fullah, G. Dudas, S. Wohl, L. M. Moses, N. L. Yozwiak, S. Winnicki, C. B. Matranga, C. M. Malboeuf, J. Qu, A. D. Gladden, S. F. Schaffner, X. Yang, P. P. Jiang, M. Nekoui, A. Colubri, M. R. Coomber, M. Fonnies, A. Moigboi, M. Gbakie, F. K. Kamara, V. Tucker, E. Konuwa, S. Saffa, J. Sellu, A. A. Jalloh, A. Kovoma, J. Koninga, I. Mustapha, K. Kargbo, M. Foday, M. Yillah, F. Kanneh, W. Robert, J. L. Massally, S. B. Chapman, J. Bochicchio, C. Murphy, C. Nusbaum, S. Young, B. W. Birren, D. S. Grant, J. S. Scheffelin, E. S. Lander, C. Hapipi, S. M. Gevaio, A. Gnirke, A. Rambaut, R. F. Garry, S. H. Khan, and P. C. Sabeti. 2014. Genomic surveillance elucidates Ebola virus origin and transmission during the 2014 outbreak. *Science* 345:1369-1372.
141. Glendinning, L., N. Nausch, A. Free, D. W. Taylor, and F. Mutapi. 2014. The microbiota and helminths: sharing the same niche in the human host. *Parasitology*:1-17.
142. Gonen, S., N. R. Lowe, T. Cezard, K. Gharbi, S. C. Bishop, and R. D. Houston. 2014. Linkage maps of the Atlantic salmon (*Salmo salar*) genome derived from RAD sequencing. *BMC Genomics* 15:166.
143. Gonzalez-Iglesias, P., M. Scotti, I. MacArthur, A. Hapeshi, H. Rodriguez, J. F. Prescott, and J. A. VazquezBoland. 2014. Mouse lung infection model to assess *Rhodococcus equi* virulence and vaccine protection. *Vet Microbiol* 172:256-264.
144. Gordon, J., B. A. Moore, C. C. Blackburn, and N. R. Manley. 2014. Serum-free culture of mid-gestation mouse embryos: a tool for the study of endoderm-derived organs. *Methods Mol Biol* 1092:183-194.
145. Gould, M. K., and A. Schnaufer. 2014. Independence from kinetoplast DNA maintenance and expression is associated with multi-drug resistance in *Trypanosoma brucei* in vitro. *Antimicrob Agents Chemother*.
146. Gow, D. J., K. A. Sauter, C. Pridans, L. Moffat, A. Sehgal, B. M. Stutchfield, S. Raza, P. M. Beard, Y. T. Tsai, G.



- Bainbridge, P. L. Boner, G. Fici, D. Garcia-Tapia, R. A. Martin, T. Oliphant, J. A. Shelly, R. Tiwari, T. L. Wilson, L. B. Smith, N. A. Mabbott, and D. A. Hume. 2014. Characterisation of a novel Fc conjugate of Macrophage Colony-Stimulating Factor (CSF1). *Mol Ther*.
147. Granroth-Wilding, H. M., S. J. Burthe, S. Lewis, T. E. Reed, K. A. Herborn, M. A. Newell, E. A. Takahashi, F. Daunt, and E. J. Cunningham. 2014. Parasitism in early life: environmental conditions shape within-brood variation in responses to infection. *Ecol Evol* 4:3408-3419.
148. Greaves, E., F. Collins, A. Esnal, S. Giakoumelou, A. W. Horne, and P. T. Saunders. 2014. Estrogen receptor (ER) agonists differentially regulate neuroangiogenesis in peritoneal endometriosis via the repellent factor SLIT3. *Endocrinology* 155:4015-4026.
149. Greaves, E., F. L. Cousins, A. Murray, A. Esnal-Zufiaurre, A. Fassbender, A. W. Horne, and P. T. Saunders. 2014. A Novel Mouse Model of Endometriosis Mimics Human Phenotype and Reveals Insights into the Inflammatory Contribution of Shed Endometrium. *Am J Pathol*.
150. Greaves, E., K. Grieve, A. W. Horne, and P. T. Saunders. 2014. Elevated peritoneal expression and estrogen regulation of nociceptive ion channels in endometriosis. *J Clin Endocrinol Metab* 99:E1738-1743.
151. Grey, F. 2014. The role of microRNAs in herpesvirus latency and persistence. *J Gen Virol*.
152. Griffin, D., and D. W. Burt. 2014. All chromosomes great and small: 10 years on. *Chromosome Res* 22:1-6.
153. Grint, D., L. Peters, J. K. Rockstroh, S. de Wit, V. M. Mitsura, B. Knysz, C. Pedersen, O. Kirk, J. D. Lundgren, and A. Mocroft. 2014. Increased incidence of antiretroviral drug discontinuation among patients with viremic hepatitis C virus coinfection and high hyaluronic acid, a marker of liver fibrosis. *Aids* 28:577-587.
154. Gundra, U. M., N. M. Girgis, D. Ruckerl, S. Jenkins, L. N. Ward, Z. D. Kurtz, K. E. Wiens, M. S. Tang, U. BasuRoy, A. Mansukhani, J. E. Allen, and P. Loke. 2014. Alternatively activated macrophages derived from monocytes and tissue macrophages are phenotypically and functionally distinct. *Blood*.
155. Haanstra, J. R., B. M. Bakker, and P. A. Michels. 2014. In or out? On the tightness of glycosomal compartmentalization of metabolites and enzymes in *Trypanosoma brucei*. *Mol Biochem Parasitol* 198:18-28.
156. Haga, I. R., T. Pechenick Jowers, S. J. Griffiths, J. Haas, and P. M. Beard. 2014. TRAF2 facilitates Vaccinia virus replication by promoting rapid virus entry. *J Virol* 88:3664-3677.
157. Hall, D. P., I. J. McCormick, A. T. Phythian-Adams, N. M. Rzechorzek, D. Hope-Jones, S. Cosens, S. Jackson, M. G. Bates, D. J. Collier, D. A. Hume, T. Freeman, A. A. Thompson, and J. K. Baillie. 2014. Network analysis reveals distinct clinical syndromes underlying acute mountain sickness. *PLoS One* 9:e81229.
158. Hamilton, C. M., F. Katzer, A. Beierschmitt, E. Soto, E. A. Innes, and P. J. Kelly. 2014. First report of *Toxoplasma gondii* seroprevalence in wild-caught Caribbean African green monkeys. *Parasit Vectors* 7:571.
159. Hamilton, C. M., F. Katzer, E. A. Innes, and P. J. Kelly. 2014. Seroprevalence of *Toxoplasma gondii* in small ruminants from four Caribbean islands. *Parasit Vectors* 7:449.
160. Hansen, A., H. K. Mjoseng, R. Zhang, M. Kalloudis, V. Koutsos, P. A. de Sousa, and M. Bradley. 2014. Highdensity polymer microarrays: identifying synthetic polymers that control human embryonic stem cell growth. *Adv Healthc Mater* 3:848-853.
161. Harper, I., and M. Parker. 2014. The politics and anti-politics of infectious disease control. *Med Anthropol* 33:198-205.
162. Harvala, H., J. Calvert, D. Van Nguyen, L. Clasper, N. Gadsby, P. Molyneaux, K. Templeton, C. McWilliams Leitch, and P. Simmonds. 2014. Comparison of diagnostic clinical samples and environmental sampling for enterovirus and parechovirus surveillance in Scotland, 2010 to 2012. *Euro Surveill* 19.
163. Harvala, H., M. Griffiths, T. Solomon, and P. Simmonds. 2014. Distinct Systemic And Central Nervous System Disease Patterns In Enterovirus And Parechovirus Infected Children. *J Infect* 69:69-74.
164. Harvala, H., D. Smith, K. Salvatierra, R. Gunson, B. von Wissmann, A. Reynolds, C. Frew, A. MacLean, A. Hunt, D. Yirrell, P. Simmonds, J. McMenamin, and K. Templeton. 2014. Burden of influenza B virus infections in Scotland in 2012/13 and epidemiological investigations between 2000 and 2012. *Euro Surveill* 19.
165. Harvala, H., D. Van Nguyen, C. McIntyre, S. Ahuka-Mundeke, E. M. Ngole, E. Delaporte, M. Peeters, and P. Simmonds. 2014. Co-circulation of enteroviruses between apes and humans. *J Gen Virol* 95:403-407.
166. Harvala, H., V. Wong, P. Simmonds, I. Johannessen, and S. Ramalingam. 2014. Acute viral hepatitis - Should the current screening strategy be modified? *J Clin Virol*.
167. Hay, J., D. Carter, A. Lieber, and A. L. Astier. 2014. Recombinant Ad35 adenoviral proteins as potent modulators of human T cell activation. *Immunology*.

168. Hayward, A. D., R. Garnier, K. A. Watt, J. G. Pilkington, B. T. Grenfell, J. B. Matthews, J. M. Pemberton, D. H. Nussey, and A. L. Graham. 2014. Heritable, Heterogeneous, and Costly Resistance of Sheep against Nematodes and Potential Feedbacks to Epidemiological Dynamics \*. *Am Nat* 184 Suppl 1:S58-76.
169. Hayward, A. D., D. H. Nussey, A. J. Wilson, C. Berenos, J. G. Pilkington, K. A. Watt, J. M. Pemberton, and A. L. Graham. 2014. Natural selection on individual variation in tolerance of gastrointestinal nematode infection. *PLoS Biol* 12:e1001917.
170. Hellyer, T. P., A. Conway Morris, D. F. McAuley, T. S. Walsh, N. H. Anderson, S. Singh, P. Dark, A. I. Roy, S. V. Baudouin, S. E. Wright, G. D. Perkins, K. Kefala, M. Jeffels, R. McMullan, C. M. O'Kane, C. Spencer, S. Laha, N. Robin, S. Gossain, K. Gould, M. H. Ruchaud-Sparagano, J. Scott, E. M. Browne, J. G. MacFarlane, S. Wiscombe, J. D. Widdrington, I. Dimmick, I. F. Laurenson, F. Nauwelaers, and A. J. Simpson. 2014. Diagnostic accuracy of pulmonary host inflammatory mediators in the exclusion of ventilator-acquired pneumonia. *Thorax*.
171. Herbert, L. J., L. Vali, D. V. Hoyle, G. Innocent, I. J. McKendrick, M. C. Pearce, D. Mellor, T. Porphyre, M. Locking, L. Allison, M. Hanson, L. Matthews, G. J. Gunn, M. E. Woolhouse, and M. E. Chase-Topping. 2014. *E. coli* O157 on Scottish cattle farms: evidence of local spread and persistence using repeat cross-sectional data. *BMC Vet Res* 10:95.
172. Hess, S., and A. Rambukkana. 2014. Bacterial-induced cell reprogramming to stem cell-like cells: new premise in host-pathogen interactions. *Curr Opin Microbiol* 23C:179-188.
173. Hestvik, G., E. Warns-Petit, L. A. Smith, N. J. Fox, H. Uhlhorn, M. Artois, D. Hannant, M. R. Hutchings, R. Mattsson, L. Yon, and D. Gavier-Widen. 2014. The status of tularemia in Europe in a one-health context: a review. *Epidemiol Infect*:1-24.
174. Hewitson, J. P., and R. M. Maizels. 2014. Vaccination against helminth parasite infections. *Expert Rev Vaccines*.
175. Hill, A. T., and P. A. Flume. 2014. Lung clearance index. A potential quantitative tool to assess treatment response in bronchiectasis? *Am J Respir Crit Care Med* 189:510-511.
176. Hill, A. T., C. Routh, and S. Welham. 2014. National BTS bronchiectasis audit 2012: is the quality standard being adhered to in adult secondary care? *Thorax* 69:292-294.
177. Hodcroft, E., J. D. Hadfield, E. Fearnhill, A. Phillips, D. Dunn, S. O'Shea, D. Pillay, and A. J. Leigh Brown. 2014. The Contribution of Viral Genotype to Plasma Viral Set-Point in HIV Infection. *PLoS Pathog* 10:e1004112. 178.
- Holden, N. J., F. Wright, K. Mackenzie, J. Marshall, S. Mitchell, A. Mahajan, R. Wheatley, and T. J. Daniell. 2014. Prevalence and diversity of *Escherichia coli* isolated from a barley trial supplemented with bulky organic soil amendments: green compost and bovine slurry. *Lett Appl Microbiol* 58:205-212.
179. Hook, L. M., F. Grey, R. Grabski, R. Tirabassi, T. Doyle, M. Hancock, I. Landais, S. Jeng, S. McWeeney, W. Britt, and J. A. Nelson. 2014. Cytomegalovirus miRNAs Target Secretory Pathway Genes to Facilitate Formation of the Virion Assembly Compartment and Reduce Cytokine Secretion. *Cell Host Microbe* 15:363-373.
180. Horne, A. W., M. M. Skubisz, S. Tong, W. C. Duncan, P. Neil, E. M. Wallace, and T. G. Johns. 2014. Combination gefitinib and methotrexate treatment for non-tubal ectopic pregnancies: a case series. *Hum Reprod*.
181. Houston, R. D., J. B. Taggart, T. Cezard, M. Bekaert, N. R. Lowe, A. Downing, R. Talbot, S. C. Bishop, A. L. Archibald, J. E. Bron, D. J. Penman, A. Davassi, F. Brew, A. E. Tinch, K. Gharbi, and A. Hamilton. 2014. Development and validation of a high density SNP genotyping array for Atlantic salmon (*Salmo salar*). *BMC Genomics* 15:90.
182. Howat, S., B. Park, I. S. Oh, Y. W. Jin, E. K. Lee, and G. J. Loake. 2014. Paclitaxel: biosynthesis, production and future prospects. *N Biotechnol* 31:242-245.
183. Hoy, A. M., R. J. Lundie, A. Ivens, J. F. Quintana, N. Nausch, T. Forster, F. Jones, N. B. Kabatereine, D. W. Dunne, F. Mutapi, A. S. Macdonald, and A. H. Buck. 2014. Parasite-derived microRNAs in host serum as novel biomarkers of helminth infection. *PLoS Negl Trop Dis* 8:e2701.
184. Hu, X., X. Kong, C. Wang, L. Ma, J. Zhao, J. Wei, X. Zhang, G. J. Loake, T. Zhang, J. Huang, and Y. Yang. 2014. Proteasome-Mediated Degradation of FRIGIDA Modulates Flowering Time in Arabidopsis during Vernalization. *Plant Cell*.
185. Huang, J., J. E. Huffman, M. Yamkauchi, S. Trompet, F. W. Asselbergs, M. Sabater-Lleal, D. A. Tregouet, W. M. Chen, N. L. Smith, M. E. Kleber, S. Y. Shin, D. M. Becker, W. Tang, A. Dehghan, A. D. Johnson, V. Truong, L. Folkersen, Q. Yang, T. Oudot-Mellkah, B. M. Buckley, J. H. Moore, F. M. Williams, H. Campbell, G. Silbernagel, V. Vitart, I. Rudan, G. H. Tofler, G. J. Navis, A. Destefano, A. F. Wright, M. H. Chen, A. J. de Craen, B. B. Worrall, A. R. Rudnicka, A. Rumley, E. B. Bookman, B. M. Psaty, F. Chen, K. L. Keene, O. H. Franco, B. O. Boehm, A. G.

- Uitterlinden, A. M. Carter, J. W. Jukema, N. Sattar, J. C. Bis, M. A. Ikram, M. M. Sale, B. McKnight, M. Fornage, I. Ford, K. Taylor, P. E. Slagboom, W. L. McArdle, F. C. Hsu, A. Franco-Cereceda, A. H. Goodall, L. R. Yanek, K. L. Furie, M. Cushman, A. Hofman, J. C. Witteman, A. R. Folsom, S. Basu, N. Matijevic, W. H. van Gilst, J. F. Wilson, R. G. Westendorp, S. Kathiresan, M. P. Reilly, R. P. Tracy, O. Polasek, B. R. Winkelmann, P. J. Grant, H. L. Hillege, F. Cambien, D. J. Stott, G. D. Lowe, T. D. Spector, J. B. Meigs, W. Marz, P. Eriksson, L. C. Becker, P. E. Morange, N. Soranzo, S. M. Williams, C. Hayward, P. van der Harst, A. Hamsten, C. J. Lowenstein, D. P. Strachan, and C. J. O'Donnell. 2014. Genome-Wide Association Study for Circulating Tissue Plasminogen Activator Levels and Functional Follow-Up Implicates Endothelial STXBP5 and STX2. *Arterioscler Thromb Vasc Biol*.
186. Hue, S., A. E. Brown, M. Ragonnet-Cronin, S. J. Lycett, D. T. Dunn, E. Fearnhill, D. I. Dolling, A. Pozniak, D. Pillay, V. C. Delpech, and A. J. Leigh-Brown. 2014. Phylogenetic analyses reveal HIV-1 infections between men misclassified as heterosexual transmissions. *Aids*.
187. Huffman, J. E., M. Pucic-Bakovic, L. Klaric, R. Hennig, M. H. Selman, F. Vuckovic, M. Novokmet, J. Kristic, M. Borowiak, T. Muth, O. Polasek, G. Razdorov, O. Gornik, R. H. Plomp, E. Theodoratou, A. F. Wright, I. Rudan, C. Hayward, H. Campbell, A. M. Deelder, U. Reichl, Y. S. Aulchenko, E. Rapp, M. Wuhler, and G. Lauc. 2014. Comparative performance of four methods for high-throughput glycosylation analysis of immunoglobulin G in genetic and epidemiological research. *Mol Cell Proteomics*.
188. Hume, D. A., and T. C. Freeman. 2014. Transcriptomic analysis of mononuclear phagocyte differentiation and activation. *Immunol Rev* 262:74-84.
189. Iles, J. C., J. Raghwani, G. L. Harrison, J. Pepin, C. F. Djoko, U. Tamoufe, M. LeBreton, B. S. Schneider, J. N. Fair, F. M. Tshala, P. K. Kayembe, J. J. Muyembe, S. Edidi-Basepeo, N. D. Wolfe, P. Simmonds, P. Klenerman, and O. G. Pybus. 2014. Phylogeography and epidemic history of hepatitis C virus genotype 4 in Africa. *Virology* 464:465C:233-243.
190. Intarak, N., V. Muangsombut, P. Vattanaviboon, M. P. Stevens, and S. Korbsrisate. 2014. Growth, motility and resistance to oxidative stress of the melioidosis pathogen *Burkholderia pseudomallei* is enhanced by epinephrine. *Pathog Dis*.
191. Irwin, R. S., C. T. French, S. Z. Lewis, R. L. Diekemper, and P. M. Gold. 2014. Overview of the management of cough: CHEST Guideline and Expert Panel Report. *Chest* 146:885-889.
192. Janezic, S., V. Zidaric, B. Pardon, A. Indra, B. Kokotovic, J. L. Blanco, C. Seyboldt, C. R. Diaz, I. R. Poxton, V. Perreten, I. Drigo, A. Jiraskova, M. Ocepek, J. S. Weese, J. G. Songer, M. H. Wilcox, and M. Rupnik. 2014. International *Clostridium difficile* animal strain collection and large diversity of animal associated strains. *BMC Microbiol* 14:173.
193. Jenkins, S. J., and D. A. Hume. 2014. Homeostasis in the mononuclear phagocyte system. *Trends Immunol* 35:358-367.
194. Jimenez, M., and H. L. Bridle. 2014. Angry pathogens, how to get rid of them: introducing microfluidics for waterborne pathogen separation to children. *Lab Chip*.
195. Jin, X., C. S. Nowell, S. Ulyanchenko, F. H. Stenhouse, and C. C. Blackburn. 2014. Long-Term Persistence of Functional Thymic Epithelial Progenitor Cells In Vivo under Conditions of Low FOXP1 Expression. *PLoS One* 9:e114842.
196. Jiwaji, Z., K. P. Nunn, A. Conway-Morris, A. J. Simpson, D. Wyncoll, A. G. Rossi, and T. S. Walsh. 2014. Leukoreduced blood transfusion does not increase circulating soluble markers of inflammation: a randomized controlled trial. *Transfusion* 54:2404-2411.
197. Johnston, C. J., H. J. McSorley, S. M. Anderton, S. J. Wigmore, and R. M. Maizels. 2014. Helminths and immunological tolerance. *Transplantation* 97:127-132.
198. Jombart, T., D. M. Aanensen, M. Baguelin, P. Birrell, S. Cauchemez, A. Camacho, C. Colijn, C. Collins, A. Cori, X. Didelot, C. Fraser, S. Frost, N. Hens, J. Hugues, M. Hohle, L. Opatowski, A. Rambaut, O. Ratmann, S. Soubeyrand, M. A. Suchard, J. Wallinga, R. Ypma, and N. Ferguson. 2014. OutbreakTools: A new platform for disease outbreak analysis using the R software. *Epidemics* 7C:28-34.
199. Jones, M., S. Odunsi, D. du Plessis, A. Vincent, M. Bishop, M. W. Head, J. W. Ironside, and D. Gow. 2014. Gerstmann-Straussler-Scheinker disease: novel PRNP mutation and VGKC-complex antibodies. *Neurology* 82:2107-2111.

200. Jose, S., L. Hamzah, L. J. Campbell, T. Hill, M. Fisher, C. Leen, R. Gilson, J. Walsh, M. Nelson, P. Hay, M. Johnson, D. Chadwick, D. Nitsch, R. Jones, C. A. Sabin, and F. A. Post. 2014. Incomplete reversibility of estimated glomerular filtration rate decline following tenofovir disoproxil fumarate exposure. *J Infect Dis* 210:363-373.
201. Kalla, R., N. T. Ventham, N. A. Kennedy, J. F. Quintana, E. R. Nimmo, A. H. Buck, and J. Satsangi. 2014. MicroRNAs: new players in IBD. *Gut*.
202. Kamara, D. A., L. Ryom, M. Ross, O. Kirk, P. Reiss, P. Morlat, O. Moranne, C. A. Fux, A. Mocroft, C. Sabin, J. D. Lundgren, and C. J. Smith. 2014. Development of a definition for Rapid Progression (RP) of renal function in HIV-positive persons: the D:A:D study. *BMC Nephrol* 15:51.
203. Kanevsky-Mullarky, I., A. J. Nedrow, S. Garst, W. Wark, M. Dickenson, C. S. Petersson-Wolfe, and R. N. Zadoks. 2014. Short communication: Comparison of virulence factors in *Klebsiella pneumoniae* strains associated with multiple or single cases of mastitis. *J Dairy Sci*.
204. Katzer, F., G. Canton, A. Burrells, J. Palarea-Albaladejo, B. Horton, P. M. Bartley, Y. Pang, F. Chianini, E. A. Innes, and J. Benavides. 2014. Immunization of lambs with the S48 strain of *Toxoplasma gondii* reduces tissue cyst burden following oral challenge with a complete strain of the parasite. *Vet Parasitol*.
205. Kluge, S. F., K. Mack, S. S. Iyer, F. M. Pujol, A. Heigele, G. H. Learn, S. M. Usmani, D. Sauter, S. Joas, D. Hotter, F. Bibollet-Ruche, L. J. Plenderleith, M. Peeters, M. Geyer, P. M. Sharp, O. T. Fackler, B. H. Hahn, and F. Kirchhoff. 2014. Nef Proteins of Epidemic HIV-1 Group O Strains Antagonize Human Tetherin. *Cell Host Microbe* 16:639-650.
206. Kneeshaw, S., S. Gelineau, Y. Tada, G. J. Loake, and S. H. Spoel. 2014. Selective Protein Denitrosylation Activity of Thioredoxin-h5 Modulates Plant Immunity. *Mol Cell* 56:153-162.
207. Krejciova, Z., M. A. Barria, M. Jones, J. W. Ironside, M. Jeffrey, L. Gonzalez, and M. W. Head. 2014. GenotypeDependent Molecular Evolution of Sheep BSE Prions In Vitro Affects Their Zoonotic Potential. *J Biol Chem*.
208. Kristic, J., F. Vuckovic, C. Menni, L. Klaric, T. Keser, I. Beceheli, M. Pucic-Bakovic, M. Novokmet, M. Mangino, K. Thaqi, P. Rudan, N. Novokmet, J. Sarac, S. Missoni, I. Kolcic, O. Polasek, I. Rudan, H. Campbell, C. Hayward, Y. Aulchenko, A. Valdes, J. F. Wilson, O. Gornik, D. Primorac, V. Zoldos, T. Spector, and G. Lauc. 2014. Glycans are a novel biomarker of chronological and biological ages. *J Gerontol A Biol Sci Med Sci* 69:779-789.
209. Kropp, K. A., A. Angulo, and P. Ghazal. 2014. Viral enhancer mimicry of host innate-immune promoters. *PLoS Pathog* 10:e1003804.
210. Kropp, K. A., A. Lucid, J. Carroll, V. Belgrudov, P. Walsh, B. Kelly, C. Smith, P. Dickinson, A. O'Driscoll, K. Templeton, P. Ghazal, and R. D. Sleator. 2014. Draft Genome Sequence of a *Serratia marcescens* Strain Isolated from a Preterm Neonatal Blood Sepsis Patient at the Royal Infirmary, Edinburgh, Scotland, United Kingdom. *Genome Announc* 2.
211. Kropp, K. A., A. Lucid, J. Carroll, V. Belgrudov, P. Walsh, B. Kelly, C. Smith, P. Dickinson, A. O'Driscoll, K. Templeton, P. Ghazal, and R. D. Sleator. 2014. Draft Genome Sequence of a *Staphylococcus warneri* Strain Isolated from a Preterm Neonate Blood Sepsis Patient at the Royal Infirmary, Edinburgh, Scotland. *Genome Announc* 2.
212. Kropp, K. A., A. Lucid, J. Carroll, V. Belgrudov, P. Walsh, B. Kelly, C. Smith, P. Dickinson, A. O'Driscoll, K. Templeton, P. Ghazal, and R. D. Sleator. 2014. Draft Genome Sequence of a *Streptococcus agalactiae* Strain Isolated from a Preterm Neonate Blood Sepsis Patient at the Royal Infirmary, Edinburgh, Scotland. *Genome Announc* 2.
213. Kropp, K. A., A. Lucid, J. Carroll, V. Belgrudov, P. Walsh, B. Kelly, C. Smith, P. Dickinson, A. O'Driscoll, K. Templeton, P. Ghazal, and R. D. Sleator. 2014. Draft Genome Sequence of an *Enterococcus faecalis* Strain Isolated from a Neonatal Blood Sepsis Patient. *Genome Announc* 2.
214. Kropp, K. A., A. Lucid, J. Carroll, V. Belgrudov, P. Walsh, B. Kelly, K. Templeton, C. Smith, P. Dickinson, A. O'Driscoll, P. Ghazal, and R. D. Sleator. 2014. Draft Genome Sequence of a *Pantoea* sp. Isolated from a Preterm Neonatal Blood Sepsis Patient. *Genome Announc* 2.
215. Kropp, K. A., A. Lucid, J. Carroll, V. Belgrudov, P. Walsh, B. Kelly, K. Templeton, C. Smith, P. Dickinson, A. O'Driscoll, P. Ghazal, and R. D. Sleator. 2014. Draft Genome Sequence of a *Staphylococcus aureus* Isolate Taken from the Blood of a Preterm Neonatal Blood Sepsis Patient. *Genome Announc* 2.
216. Kurktschiev, P. D., B. Raziorrouh, W. Schraut, M. Backmund, M. Wachtler, C. M. Wendtner, B. Bengsch, R.



- Thimme, G. Denk, R. Zachoval, A. Dick, M. Spannagl, J. Haas, H. M. Diepolder, M. C. Jung, and N. H. Gruener. 2014. Dysfunctional CD8+ T cells in hepatitis B and C are characterized by a lack of antigen-specific T-bet induction. *J Exp Med* 211:2047-2059.
217. Lagator, M., N. Colegrave, and P. Neve. 2014. Selection history and epistatic interactions impact dynamics of adaptation to novel environmental stresses. *Proc Biol Sci* 281.
218. Lagator, M., A. Morgan, P. Neve, and N. Colegrave. 2014. ROLE OF SEX AND MIGRATION IN ADAPTATION TO SINK ENVIRONMENTS. *Evolution*.
219. Lee, A. C., A. Chandran, H. K. Herbert, N. Kozuki, P. Markell, R. Shah, H. Campbell, I. Rudan, and A. H. Baqui. 2014. Treatment of Infections in Young Infants in Low- and Middle-Income Countries: A Systematic Review and Meta-analysis of Frontline Health Worker Diagnosis and Antibiotic Access. *PLoS Med* 11:e1001741.
220. Lee, S. J., and R. M. Maizels. 2014. Inflammatory Bowel Disease. *Evol Med Public Health*.
221. Leggett, H. C., S. P. Brown, and S. E. Reece. 2014. War and peace: social interactions in infections. *Philos Trans R Soc Lond B Biol Sci* 369:20130365.
222. Lemaitre, J. F., J. M. Gaillard, J. M. Pemberton, T. H. Clutton-Brock, and D. H. Nussey. 2014. Early life expenditure in sexual competition is associated with increased reproductive senescence in male red deer. *Proc Biol Sci* 281.
223. Lemey, P., A. Rambaut, T. Bedford, N. Faria, F. Bielejec, G. Baele, C. A. Russell, D. J. Smith, O. G. Pybus, D. Brockmann, and M. A. Suchard. 2014. Unifying viral genetics and human transportation data to predict the global transmission dynamics of human influenza H3N2. *PLoS Pathog* 10:e1003932.
224. Lester, H. E., and J. B. Matthews. 2014. Faecal worm egg count analysis for targeting anthelmintic treatment in horses: points to consider. *Equine Vet J* 46:139-145.
225. Lewis, S. H., and D. J. Obbard. 2014. Recent insights into the evolution of innate viral sensing in animals. *Curr Opin Microbiol* 20C:170-175.
226. Lichius, A., A. B. Goryachev, M. D. Fricker, B. Obara, E. Castro-Longoria, and N. D. Read. 2014. CDC-42 and RAC-1 regulate opposite chemotropisms in *Neurospora crassa*. *J Cell Sci* 127:1953-1965.
227. Liu, W., Y. Li, K. S. Shaw, G. H. Learn, L. J. Plenderleith, J. A. Malenke, S. A. Sundararaman, M. A. Ramirez, P. A. Crystal, A. G. Smith, F. Bibollet-Ruche, A. Ayoub, S. Locatelli, A. Esteban, F. Mouacha, E. Guichet, C. Butel, S. Ahuka-Mundeye, B. I. Inogwabini, J. B. Ndjongo, S. Speede, C. M. Sanz, D. B. Morgan, M. K. Gonder, P. J. Kranzusch, P. D. Walsh, A. V. Georgiev, M. N. Muller, A. K. Piel, F. A. Stewart, M. L. Wilson, A. E. Pusey, L. Cui, Z. Wang, A. Farnert, C. J. Sutherland, D. Nolder, J. A. Hart, T. B. Hart, P. Bertolani, A. Gillis, M. Lebreton, B. Tafon, J. Kiyang, C. F. Djoko, B. S. Schneider, N. D. Wolfe, E. Mpoudi-Ngole, E. Delaporte, R. Carter, R. L. Culleton, G. M. Shaw, J. C. Rayner, M. Peeters, B. H. Hahn, and P. M. Sharp. 2014. African origin of the malaria parasite *Plasmodium vivax*. *Nat Commun* 5:3346.
228. Loth, D. W., M. S. Artigas, S. A. Gharib, L. V. Wain, N. Franceschini, B. Koch, T. D. Pottinger, A. V. Smith, Q. Duan, C. Oldmeadow, M. K. Lee, D. P. Strachan, A. L. James, J. E. Huffman, V. Vitart, A. Ramasamy, N. J. Wareham, J. Kaprio, X. Q. Wang, H. Trochet, M. Kahonen, C. Flexeder, E. Albrecht, L. M. Lopez, K. de Jong, B. Thyagarajan, A. C. Alves, S. Enroth, E. Omenaas, P. K. Joshi, T. Fall, A. Vinuela, L. J. Launer, L. R. Loehr, M. Fornage, G. Li, J. B. Wilk, W. Tang, A. Manichaikul, L. Lahousse, T. B. Harris, K. E. North, A. R. Rudnicka, J. Hui, X. Gu, T. Lumley, A. F. Wright, N. D. Hastie, S. Campbell, R. Kumar, I. Pin, R. A. Scott, K. H. Pietilainen, I. Surakka, Y. Liu, E. G. Holliday, H. Schulz, J. Heinrich, G. Davies, J. M. Vonk, M. Wojczynski, A. Pouta, A. Johansson, S. H. Wild, E. Ingelsson, F. Rivadeneira, H. Volzke, P. G. Hysi, G. Eiriksdottir, A. C. Morrison, J. I. Rotter, W. Gao, D. S. Postma, W. B. White, S. S. Rich, A. Hofman, T. Aspelund, D. Couper, L. J. Smith, B. M. Psaty, K. Lohman, E. G. Burchard, A. G. Uitterlinden, M. Garcia, B. R. Joubert, W. L. McArdle, A. B. Musk, N. Hansel, S. R. Heckbert, L. Zgaga, J. B. van Meurs, P. Navarro, I. Rudan, Y. M. Oh, S. Redline, D. L. Jarvis, J. H. Zhao, T. Rantanen, G. T. O'Connor, S. Ripatti, et al. 2014. Genome-wide association analysis identifies six new loci associated with forced vital capacity. *Nat Genet* 46:669-677.
229. Lu, L., S. J. Lycett, and A. J. Leigh Brown. 2014. Determining the Phylogenetic and Phylogeographic Origin of Highly Pathogenic Avian Influenza (H7N3) in Mexico. *PLoS One* 9:e107330.
230. Lu, L., S. J. Lycett, and A. J. Leigh Brown. 2014. Reassortment patterns of avian influenza virus internal segments among different subtypes. *BMC Evol Biol* 14:16.
231. Lucas, C. D., L. J. Hoodless, and A. G. Rossi. 2014. Swimming against the tide: drugs drive neutrophil reverse migration. *Sci Transl Med* 6:225fs229.

232. Lucendo-Villarin, B., K. Cameron, D. Szkolnicka, P. Travers, F. Khan, J. G. Walton, J. Iredale, M. Bradley, and D. C. Hay. 2014. Stabilizing hepatocellular phenotype using optimized synthetic surfaces. *J Vis Exp*.
233. Lunt, D. H., S. Kumar, G. Koutsovoulos, and M. L. Blaxter. 2014. The complex hybrid origins of the root knot nematodes revealed through comparative genomics. *PeerJ* 2:e356.
234. Lyons, S., A. Kapoor, B. S. Schneider, N. D. Wolfe, G. Culshaw, B. Corcoran, A. E. Durham, F. Burden, B. C. McGorum, and P. Simmonds. 2014. Viraemic frequencies and seroprevalence of non-primate hepacivirus and equine pegiviruses in horses and other mammalian species. *J Gen Virol* 95:1701-1711.
235. Mabbott, N. A. 2014. Prospects for safe and effective vaccines against prion diseases. *Expert Rev Vaccines*:1-4.
236. Mabbott, N. A., and D. Gray. 2014. Identification of co-expressed gene signatures in mouse B1, marginal zone and B2 B-cell populations. *Immunology* 141:79-95.
237. Mabbott, N. A., A. Kobayashi, A. Sehgal, B. M. Bradford, M. Pattison, and D. S. Donaldson. 2014. Aging and the mucosal immune system in the intestine. *Biogerontology*.
238. Mablesen, H. E., A. Okello, K. Picozzi, and S. C. Welburn. 2014. Neglected Zoonotic Diseases-The Long and Winding Road to Advocacy. *PLoS Negl Trop Dis* 8:e2800.
239. Macfarlane, J. M., N. R. Lambe, O. Matika, P. L. Johnson, B. T. Wolf, W. Haresign, S. C. Bishop, and L. Bunger. 2014. Effect and mode of action of the Texel muscling QTL (TM-QTL) on carcass traits in purebred Texel lambs. *Animal*:1-9.
240. Macgregor, P., A. Ivens, S. Shave, I. Collie, D. Gray, M. Auer, and K. R. Matthews. 2014. High throughput chemical screening for anti-virulence developmental phenotypes in *Trypanosoma brucei*. *Eukaryot Cell* 13:412-426.
241. Mackenzie, K. J., D. J. Nowakowska, M. D. Leech, A. J. McFarlane, C. Wilson, P. M. Fitch, R. A. O'Connor, S. E. Howie, J. Schwarze, and S. M. Anderton. 2014. Effector and central memory T helper 2 cells respond differently to peptide immunotherapy. *Proc Natl Acad Sci U S A* 111:E784-793.
242. Maizels, R. M., and W. C. Gause. 2014. Immunology. How helminths go viral. *Science* 345:517-518.
243. Maizels, R. M., H. J. McSorley, and D. J. Smyth. 2014. Helminths in the Hygiene Hypothesis - Sooner or Later? *Clin Exp Immunol*.
244. Maizels, R. M., H. J. McSorley, and D. J. Smyth. 2014. Helminths in the hygiene hypothesis: sooner or later? *Clin Exp Immunol* 177:38-46.
245. Maizels, R. M., and D. R. Withers. 2014. MHC-II: A Mutual Support System for ILCs and T Cells? *Immunity* 41:174-176.
246. Malmsten, J., L. Soderquist, C. G. Thulin, D. Gavier Widen, L. Yon, M. R. Hutchings, and A. M. Dalin. 2014. Reproductive characteristics in female Swedish moose (*Alces alces*), with emphasis on puberty, timing of oestrus, and mating. *Acta Vet Scand* 56:23.
247. Malmsten, J., D. G. Widen, G. Rydevik, L. Yon, M. R. Hutchings, C. G. Thulin, L. Soderquist, A. Aspan, S. Stuen, and A. M. Dalin. 2014. Temporal and spatial variation in *Anaplasma phagocytophilum* infection in Swedish moose (*Alces alces*). *Epidemiol Infect* 142:1205-1213.
248. Mandal, P., J. D. Chalmers, C. Graham, C. Harley, M. K. Sidhu, C. Doherty, J. W. Govan, T. Sethi, D. J. Davidson, A. G. Rossi, and A. T. Hill. 2014. Atorvastatin as a stable treatment in bronchiectasis: a randomised controlled trial. *Lancet Respir Med*.
249. Marr, E. J., N. D. Sargison, A. J. Nisbet, and S. T. Burgess. 2014. RNA interference for the identification of ectoparasite vaccine candidates. *Parasite Immunol* 36:616-626.
250. Matthews, J. B. 2014. Anthelmintic resistance in equine nematodes. *Int J Parasitol Drugs Drug Resist* 4:310315.
251. Matthews, P. C., A. Malik, R. Simmons, C. Sharp, P. Simmonds, and P. Klennerman. 2014. PARV4: An Emerging Tetraparvovirus. *PLoS Pathog* 10:e1004036.
252. May, M. T., M. Gompels, V. Delpech, K. Porter, C. Orkin, S. Kegg, P. Hay, M. Johnson, A. Palfreeman, R. Gilson, D. Chadwick, F. Martin, T. Hill, J. Walsh, F. Post, M. Fisher, J. Ainsworth, S. Jose, C. Leen, M. Nelson, J. Anderson, and C. Sabin. 2014. Impact on life expectancy of HIV-1 positive individuals of CD4+ cell count and viral load response to antiretroviral therapy: UK cohort study. *Aids*.
253. Mbole-Kariuki, M. N., T. Sonstegard, A. Orth, S. M. Thumbi, B. M. Bronsvoort, H. Kiara, P. Toye, I. Conradie, A. Jennings, K. Coetzer, M. E. Woolhouse, O. Hanotte, and M. Tapio. 2014. Genome-wide analysis reveals the ancient and recent admixture history of East African Shorthorn Zebu from Western Kenya. *Heredity (Edinb)*.

254. McAdam, P. R., E. J. Richardson, and J. R. Fitzgerald. 2014. High-throughput sequencing for the study of bacterial pathogen biology. *Curr Opin Microbiol* 19C:106-113.
255. McAdam, P. R., C. W. Vander Broek, D. S. Lindsay, M. J. Ward, M. F. Hanson, M. Gillies, M. Watson, J. M. Stevens, G. F. Edwards, and J. Fitzgerald. 2014. Gene flow in environmental *Legionella pneumophila* leads to genetic and pathogenic heterogeneity within a Legionnaires inverted question mark disease outbreak. *Genome Biol* 15:504.
256. McCutcheon, S., J. P. Langeveld, B. C. Tan, A. C. Gill, C. de Wolf, S. Martin, L. Gonzalez, J. Alibhai, A. R. Blanco, L. Campbell, N. Hunter, and E. F. Houston. 2014. Prion Protein-Specific Antibodies that Detect Multiple TSE Agents with High Sensitivity. *PLoS One* 9:e91143.
257. McGrath, J., M. Jimenez, and H. Bridle. 2014. Deterministic lateral displacement for particle separation: a review. *Lab Chip*.
258. McLellan, K. E., J. Schwarze, and T. Beattie. 2014. Chest auscultatory signs in infants presenting to A&E with bronchiolitis. *Eur J Emerg Med*.
259. McNally, L., M. Viana, and S. P. Brown. 2014. Cooperative secretions facilitate host range expansion in bacteria. *Nat Commun* 5:4594.
260. McNeilly, T. N., and A. J. Nisbet. 2014. Immune modulation by helminth parasites of ruminants: implications for vaccine development and host immune competence. *Parasite* 21:51.
261. McPherson, R. C., J. E. Konkell, C. T. Prendergast, J. P. Thomson, R. Ottaviano, M. D. Leech, O. Kay, S. E. Zandee, C. H. Sweeney, D. C. Wraith, R. R. Meehan, A. J. Drake, and S. M. Anderton. 2014. Epigenetic modification of the PD-1 ( ) promoter in effector CD4 T cells tolerized by peptide immunotherapy. *Elife* 3.
262. McSorley, H. J., N. F. Blair, K. A. Smith, A. N. McKenzie, and R. M. Maizels. 2014. Blockade of IL-33 release and suppression of type 2 innate lymphoid cell responses by helminth secreted products in airway allergy. *Mucosal Immunol*.
263. Meredith, A. L., S. C. Cleaveland, M. J. Denwood, J. K. Brown, and D. J. Shaw. 2014. *Coxiella burnetii* (Q-Fever) Seroprevalence in Prey and Predators in the United Kingdom: Evaluation of Infection in Wild Rodents, Foxes and Domestic Cats Using a Modified ELISA. *Transbound Emerg Dis*.
264. Midzi, N., T. Mduluz, M. J. Chimbari, C. Tshuma, L. Charimari, G. Mhlanga, P. Manangazira, S. M. Munyati, I. Phiri, S. L. Mutambu, S. S. Midzi, A. Ncube, L. P. Muranzi, S. Rusakaniko, and F. Mutapi. 2014. Distribution of schistosomiasis and soil transmitted helminthiasis in zimbabwe: towards a national plan of action for control and elimination. *PLoS Negl Trop Dis* 8:e3014.
265. Miele, A., K. Dhaliwal, N. Du Toit, J. T. Murchison, C. Dhaliwal, H. Brooks, S. H. Smith, N. Hirani, T. Schwarz, C. Haslett, W. A. Wallace, and B. C. McGorum. 2014. Chronic pleuropulmonary fibrosis and elastosis of aged donkeys: similarities to human pleuroparenchymal fibroelastosis. *Chest* 145:1325-1332.
266. Miller, M. H., K. Agarwal, A. Austin, A. Brown, S. T. Barclay, P. Dundas, G. M. Dusheiko, G. R. Foster, R. Fox, P. C. Hayes, C. Leen, C. Millson, S. D. Ryder, J. Tait, A. Ustianowski, and J. F. Dillon. 2014. Review article: 2014 UK consensus guidelines - hepatitis C management and direct-acting anti-viral therapy. *Aliment Pharmacol Ther* 39:1363-1375.
267. Mitchell, K. M., F. Mutapi, T. Mduluz, N. Midzi, N. J. Savill, and M. E. Woolhouse. 2014. Predicted Impact of Mass Drug Administration on the Development of Protective Immunity against *Schistosoma haematobium*. *PLoS Negl Trop Dis* 8:e3059.
268. Mitchell, L., T. M. Sloan, M. Mewissen, P. Ghazal, T. Forster, M. Piotrowski, and A. Trew. 2014. Parallel classification and feature selection in microarray data using SPRINT. *Concurr Comput* 26:854-865.
269. Moda, F., P. Gambetti, S. Notari, L. Concha-Marambio, M. Catania, K. W. Park, E. Maderna, S. Suardi, S. Haik, J. P. Brandel, J. Ironside, R. Knight, F. Tagliavini, and C. Soto. 2014. Prions in the urine of patients with variant Creutzfeldt-Jakob disease. *N Engl J Med* 371:530-539.
270. Moffat, L., L. Rothwell, C. Garcia-Morales, K. A. Sauter, R. Kapetanovic, D. J. Gow, and D. A. Hume. 2014. Development and characterisation of monoclonal antibodies reactive with porcine CSF1R (CD115). *Dev Comp Immunol* 47:123-128.
271. Molesworth, A., P. Yates, P. E. Hewitt, J. Mackenzie, J. W. Ironside, G. Galea, and H. J. Ward. 2014. Investigation of Variant Creutzfeldt-Jakob Disease Implicated Organ or Tissue Transplantation in the United Kingdom. *Transplantation*.

272. Moncayo-Nieto, O. L., T. S. Wilkinson, M. Brittan, B. J. McHugh, R. O. Jones, A. Conway Morris, W. S. Walker, D. J. Davidson, and A. J. Simpson. 2014. Differential response to bacteria, and TOLLIP expression, in the human respiratory tract. *BMJ Open Respir Res* 1:e000046.
273. Mooney, J. E., K. M. Summers, M. Gongora, S. M. Grimmond, J. H. Campbell, D. A. Hume, and B. E. Rolfe. 2014. Transcriptional switching in macrophages associated with the peritoneal foreign body response. *Immunol Cell Biol*.
274. Morgan, A. D., R. W. Ness, P. D. Keightley, and N. Colegrave. 2014. SPONTANEOUS MUTATION ACCUMULATION IN MULTIPLE STRAINS OF THE GREEN ALGA, CHLAMYDOMONAS REINHARDTII. *Evolution*.
275. Morikawa, H., N. Ohkura, A. Vandenbon, M. Itoh, S. Nagao-Sato, H. Kawaji, T. Lassmann, P. Carninci, Y. Hayashizaki, A. R. Forrest, D. M. Standley, H. Date, and S. Sakaguchi. 2014. Differential roles of epigenetic changes and Foxp3 expression in regulatory T cell-specific transcriptional regulation. *Proc Natl Acad Sci U S A* 111:5289-5294.
276. Morrison, A., L. McMillan, K. Radwanski, O. Blatchford, K. Min, and J. Petrik. 2014. Storage of apheresis platelet concentrates after manual replacement of >95% of plasma with PAS 5. *Vox Sang* 107:247-253.
277. Morrison, A. A., S. Mitchell, R. Mearns, I. Richards, J. B. Matthews, and D. J. Bartley. 2014. Phenotypic and genotypic analysis of benzimidazole resistance in the ovine parasite *Nematodirus battus*. *Vet Res* 45:116. 278. Muhanguzi, D., K. Picozzi, J. Hatendorf, M. Thrusfield, S. C. Welburn, J. D. Kabasa, and C. Waiswa. 2014. Collateral benefits of restricted insecticide application for control of African trypanosomiasis on *Theileria parva* in cattle: a randomized controlled trial. *Parasit Vectors* 7:432.
279. Muhanguzi, D., K. Picozzi, J. Hattendorf, M. Thrusfield, J. Kabasa, C. Waiswa, and S. Welburn. 2014. The burden and spatial distribution of bovine African trypanosomes in small holder crop-livestock production systems in Tororo District, south-eastern Uganda. *Parasit Vectors* 7:603.
280. Munoz, A., M. Chu, P. I. Marris, U. S. Sagaram, J. Kaur, D. M. Shah, and N. D. Read. 2014. Specific domains of plant defensins differentially disrupt colony initiation, cell fusion and calcium homeostasis in *Neurospora crassa*. *Mol Microbiol* 92:1357-1374.
281. Munro, K. I., M. J. Thrippleton, A. R. Williams, G. McKillop, J. Walker, A. W. Horne, D. E. Newby, R. A. Anderson, S. I. Semple, I. Marshall, S. C. Lewis, R. P. Millar, M. E. Bastin, and H. O. Critchley. 2014. Quantitative serial MRI of the treated fibroid uterus. *PLoS One* 9:e89809.
282. Murray, P. J., J. E. Allen, S. K. Biswas, E. A. Fisher, D. W. Gilroy, S. Goerdts, S. Gordon, J. A. Hamilton, L. B. Ivashkiv, T. Lawrence, M. Locati, A. Mantovani, F. O. Martinez, J. L. Mege, D. M. Mosser, G. Natoli, J. P. Saeij, J. L. Schultze, K. A. Shirey, A. Sica, J. Suttles, I. Udalova, J. A. van Ginderachter, S. N. Vogel, and T. A. Wynn. 2014. Macrophage Activation and Polarization: Nomenclature and Experimental Guidelines. *Immunity* 41:1420.
283. My, P. V., M. A. Rabaa, C. Donato, D. Cowley, V. V. Phat, T. T. Dung, P. H. Anh, H. Vinh, J. E. Bryant, P. Kellam, G. Thwaites, M. E. Woolhouse, C. D. Kirkwood, and S. Baker. 2014. Novel porcine-like human G26P[19] rotavirus identified in hospitalized paediatric diarrhoea patients in Ho Chi Minh City, Vietnam. *J Gen Virol* 95:2727-2733.
284. Nair, H., and M. A. Widdowson. 2014. Paediatric influenza vaccination: time to better protect high-risk groups? *Lancet Respir Med*.
285. Nausch, N., E. M. Dawson, N. Midzi, T. Mduluzi, F. Mutapi, and M. J. Doenhoff. 2014. Field evaluation of a new antibody-based diagnostic for *Schistosoma haematobium* and *S. mansoni* at the point-of-care in northeast Zimbabwe. *BMC Infect Dis* 14:165.
286. Newman, P. K., N. V. Todd, D. Scoones, S. Mead, R. S. Knight, R. G. Will, and J. W. Ironside. 2014. Postmortem findings in a case of variant Creutzfeldt-Jakob disease treated with intraventricular pentosan polysulfate. *J Neurol Neurosurg Psychiatry* 85:921-924.
287. Nicholson, J., A. Scherl, L. Way, E. A. Blackburn, M. D. Walkinshaw, K. L. Ball, and T. R. Hupp. 2014. A systems wide mass spectrometric based linear motif screen to identify dominant in-vivo interacting proteins for the ubiquitin ligase MDM2. *Cell Signal* 26:1243-1257.
288. Nightingale, K., C. S. Levy, J. Hopkins, F. Grey, S. Esper, and R. G. Dalziel. 2014. Expression of Ovine Herpesvirus -2 Encoded MicroRNAs in an Immortalised Bovine - Cell Line. *PLoS One* 9:e97765.
289. Nishiyama, S., B. M. Dutia, J. P. Stewart, A. L. Meredith, D. J. Shaw, P. Simmonds, and C. P. Sharp. 2014. The identification of novel anelloviruses with broad diversity in UK rodents. *J Gen Virol* 95:1544-1553.
290. Nowell, R. W., S. Green, B. E. Laue, and P. M. Sharp. 2014. The extent of genome flux and its role in the differentiation of bacterial lineages. *Genome Biol Evol*.



291. Nussey, D. H., K. A. Watt, A. Clark, J. G. Pilkington, J. M. Pemberton, A. L. Graham, and T. N. McNeilly. 2014. Multivariate immune defences and fitness in the wild: complex but ecologically important associations among plasma antibodies, health and survival. *Proc Biol Sci* 281:20132931.
292. O'Connell, J., D. Gurdasani, O. Delaneau, N. Pirastu, S. Ulivi, M. Cocca, M. Traglia, J. Huang, J. E. Huffman, I. Rudan, R. McQuillan, R. M. Fraser, H. Campbell, O. Polasek, G. Asiki, K. Ekoru, C. Hayward, A. F. Wright, V. Vitart, P. Navarro, J. F. Zagury, J. F. Wilson, D. Toniolo, P. Gasparini, N. Soranzo, M. S. Sandhu, and J. Marchini. 2014. A General Approach for Haplotype Phasing across the Full Spectrum of Relatedness. *PLoS Genet* 10:e1004234.
293. O'Connor, J. L., C. J. Smith, F. C. Lampe, T. Hill, M. Gompels, P. Hay, D. Chadwick, M. Fisher, J. Ainsworth, R. Gilson, N. Mackie, J. Anderson, C. Orkin, M. Nelson, S. Kegg, C. Leen, A. Palfreeman, F. Post, M. Johnson, C. A. Sabin, and A. N. Phillips. 2014. Failure to achieve a CD4+ cell count response on combination antiretroviral therapy despite consistent viral load suppression. *Aids* 28:919-924.
294. Obbard, D. J., and G. Dudas. 2014. The genetics of host-virus coevolution in invertebrates. *Curr Opin Virol* 8C:73-78.
295. Okello, A. L., and S. C. Welburn. 2014. The importance of veterinary policy in preventing the emergence and re-emergence of zoonotic disease: examining the case of human african trypanosomiasis in Uganda. *Front Public Health* 2:218.
296. Olden, M., T. Corre, C. Hayward, D. Toniolo, S. Ulivi, P. Gasparini, G. Pistis, S. J. Hwang, S. Bergmann, H. Campbell, M. Cocca, I. Gandin, G. Girotto, B. Glaudemans, N. D. Hastie, J. Loffing, O. Polasek, L. Rampoldi, I. Rudan, C. Sala, M. Traglia, P. Vollenweider, D. Vuckovic, S. Youhanna, J. Weber, A. F. Wright, Z. Kutalik, M. Bochud, C. S. Fox, and O. Devuyst. 2014. Common Variants in UMOD Associate with Urinary Uromodulin Levels: A Meta-Analysis. *J Am Soc Nephrol*.
297. Olivera-Martinez, I., N. Schurch, R. A. Li, J. Song, P. A. Halley, R. M. Das, D. W. Burt, G. J. Barton, and K. G. Storey. 2014. Major transcriptome re-organisation and abrupt changes in signalling, cell cycle and chromatin regulation at neural differentiation in vivo. *Development* 141:3266-3276.
298. Opazo, A., L. Vali, K. Al Obaid, A. A. Dashti, and S. G. Amyes. 2014. Novel genetic structure harbouring bla in ceftazidime-resistant *Acinetobacter baumannii* isolated from Kuwait. *Int J Antimicrob Agents* 43.
299. Osborne, L. C., L. A. Monticelli, T. J. Nice, T. E. Sutherland, M. C. Siracusa, M. R. Hepworth, V. T. Tomov, D. Kobuley, S. V. Tran, K. Bittinger, A. G. Bailey, A. L. Laughlin, J. L. Boucher, E. J. Wherry, F. D. Bushman, J. E. Allen, H. W. Virgin, and D. Artis. 2014. Coinfection. Virus-helminth coinfection reveals a microbiota-independent mechanism of immunomodulation. *Science* 345:578-582.
300. Paris, J. K., S. Wills, H. J. Balzer, D. J. Shaw, and D. A. Gunn-Moore. 2014. Enteropathogen co-infection in UK cats with diarrhoea. *BMC Vet Res* 10:13.
301. Park, H. J., M. Guariento, M. Maciejewski, R. Hauhart, W. H. Tham, A. F. Cowman, C. Q. Schmidt, H. D. Mertens, M. K. Liszewski, D. E. Hourcade, P. N. Barlow, and J. P. Atkinson. 2014. Using mutagenesis and structural biology to map the binding site for the *Plasmodium falciparum* merozoite protein PfRh4 on the human immune adherence receptor. *J Biol Chem* 289:450-463.
302. Pearce, J., and I. Fernando. 2014. The value of a multi-speciality service, including genitourinary medicine, dermatology and urology input, in the management of male genital dermatoses. *Int J STD AIDS*.
303. Pechenick Jowers, T., R. J. Featherstone, D. K. Reynolds, H. K. Brown, J. James, A. Prescott, I. R. Haga, and P. M. Beard. 2014. RAB1A promotes *Vaccinia* virus replication by facilitating the production of intracellular enveloped virions. *Virology* 475C:66-73.
304. Peden, A. H., D. P. Sarode, C. R. Mulholland, M. A. Barria, D. L. Ritchie, J. W. Ironside, and M. W. Head. 2014. The prion protein protease sensitivity, stability and seeding activity in variably protease sensitive prionopathy brain tissue suggests molecular overlaps with sporadic Creutzfeldt-Jakob disease. *Acta Neuropathol Commun* 2:152.
305. Perry, J. R., Y. H. Hsu, D. I. Chasman, A. D. Johnson, C. Elks, E. Albrecht, I. L. Andrulis, J. Beesley, G. S. Berenson, S. Bergmann, S. E. Bojesen, M. K. Bolla, J. Brown, J. E. Buring, H. Campbell, J. Chang-Claude, G. Chenevix-Trench, T. Corre, F. J. Couch, A. Cox, K. Czene, P. D'Adamo A, G. Davies, I. J. Deary, J. Dennis, D. F. Easton, E. G. Engelhardt, J. G. Eriksson, T. Esko, P. A. Fasching, J. D. Figueroa, H. Flyger, A. Fraser, M. GarciaClosas, P. Gasparini, C. Gieger, G. Giles, P. Guenel, S. Hagg, P. Hall, C. Hayward, J. Hopper, E. Ingelsson, S. L.

- Kardia, K. Kasiman, J. A. Knight, J. Lahti, D. A. Lawlor, P. K. Magnusson, S. Margolin, J. A. Marsh, A. Metspalu, J. E. Olson, C. E. Pennell, O. Polasek, I. Rahman, P. M. Ridker, A. Robino, I. Rudan, A. Rudolph, A. Salumets, M. K. Schmidt, M. J. Schoemaker, E. N. Smith, J. A. Smith, M. Southey, D. Stockl, A. J. Swerdlow, D. J. Thompson, T. Truong, S. Ulivi, M. Waldenberger, Q. Wang, S. Wild, J. F. Wilson, A. F. Wright, L. Zgaga, K. K. Ong, J. M. Murabito, D. Karasik, and A. Murray. 2014. DNA mismatch repair gene MSH6 implicated in determining age at natural menopause. *Hum Mol Genet* 23:2490-2497.
306. Pleidrup, A. J., L. R. Norup, T. S. Dalgaard, P. Kaiser, A. Permin, T. W. Schou, D. F. Vadekaer, G. Jungersen, P. Sorensen, and H. R. Juul-Madsen. 2014. Cytokine gene expression profiles in chicken spleen and intestinal tissues during *Ascaridia galli* infection. *Vet Parasitol* 206:317-321.
307. Plinston, C., P. Hart, N. Hunter, J. C. Manson, and R. M. Barron. 2014. Increased susceptibility of transgenic mice expressing human PrP to experimental sheep bovine spongiform encephalopathy is not due to increased agent titre in sheep brain tissue. *J Gen Virol* 95:1855-1859.
308. Plinston, C., P. Hart, N. Hunter, J. C. Manson, and R. M. Barron. 2014. Increased susceptibility of transgenic mice expressing human PrP to experimental sheep BSE is not due to increased agent titre in sheep brain tissue. *J Gen Virol*.
309. Polak, M. E., S. M. Thirdborough, C. Y. Ung, T. Elliott, E. Healy, T. C. Freeman, and M. R. Ardern-Jones. 2014. Distinct molecular signature of human skin Langerhans cells denotes critical differences in cutaneous dendritic cell immune regulation. *J Invest Dermatol* 134:695-703.
310. Poon, I. K., C. D. Lucas, A. G. Rossi, and K. S. Ravichandran. 2014. Apoptotic cell clearance: basic biology and therapeutic potential. *Nat Rev Immunol* 14:166-180.
311. Porphyre, T., L. A. Boden, C. Correia-Gomes, H. K. Auty, G. J. Gunn, and M. E. Woolhouse. 2014. How commercial and non-commercial swine producers move pigs in Scotland: a detailed descriptive analysis. *BMC Vet Res* 10:140.
312. Prebble, J. L., D. J. Shaw, and A. L. Meredith. 2014. Bodyweight and body condition score in rabbits on four different feeding regimes. *J Small Anim Pract*.
313. Prentice, J. C., G. Marion, P. C. White, R. S. Davidson, and M. R. Hutchings. 2014. Demographic Processes Drive Increases in Wildlife Disease following Population Reduction. *PLoS One* 9:e86563.
314. Primrose, J. N., R. Perera, A. Gray, P. Rose, A. Fuller, A. Corkhill, S. George, and D. Mant. 2014. Effect of 3 to 5 years of scheduled CEA and CT follow-up to detect recurrence of colorectal cancer: the FACS randomized clinical trial. *Jama* 311:263-270.
315. Pumirat, P., C. V. Broek, N. Juntawiang, V. Muangsombut, P. Kiratisin, K. Pattanapanyasat, J. M. Stevens, M. P. Stevens, and S. Korbsrisate. 2014. Analysis of the Prevalence, Secretion and Function of a Cell Cycle-Inhibiting Factor in the Melioidosis Pathogen *Burkholderia pseudomallei*. *PLoS One* 9:e96298.
316. Raffi, F., A. G. Babiker, L. Richert, J. M. Molina, E. C. George, A. Antinori, J. R. Arribas, J. Grarup, F. Hudson, C. Schwimmer, J. Saillard, C. Wallet, P. O. Jansson, C. Allavena, R. Van Leeuwen, J. F. Delfraissy, S. Vella, G. Chene, and A. Pozniak. 2014. Ritonavir-boosted darunavir combined with raltegravir or tenofovir/emtricitabine in antiretroviral-naïve adults infected with HIV-1: 96 week results from the NEAT001/ANRS143 randomised non-inferiority trial. *Lancet* 384:1942-1951.
317. Raza, S., M. W. Barnett, Z. Barnett-Itzhaki, I. Amit, D. A. Hume, and T. C. Freeman. 2014. Analysis of the transcriptional networks underpinning the activation of murine macrophages by inflammatory mediators. *J Leukoc Biol* 96:167-183.
318. Rebourcet, D., P. J. O'Shaughnessy, A. Monteiro, L. Milne, L. Cruickshanks, N. Jeffrey, F. Guillou, T. C. Freeman, R. T. Mitchell, and L. B. Smith. 2014. Sertoli cells maintain leydig cell number and peritubular myoid cell activity in the adult mouse testis. *PLoS One* 9:e105687.
319. Rebourcet, D., P. J. O'Shaughnessy, J. L. Pitetti, A. Monteiro, L. O'Hara, L. Milne, Y. T. Tsai, L. Cruickshanks, D. Riethmacher, F. Guillou, R. T. Mitchell, R. van 't Hof, T. C. Freeman, S. Nef, and L. B. Smith. 2014. Sertoli cells control peritubular myoid cell fate and support adult Leydig cell development in the prepubertal testis. *Development* 141:2139-2149.
320. Reece, S. E., and N. Mideo. 2014. Malaria parasites prepare for flight. *Trends Parasitol* 30:551-553.
321. Relf, V. E., H. E. Lester, E. R. Morgan, J. E. Hodgkinson, and J. B. Matthews. 2014. Anthelmintic efficacy on UK Thoroughbred stud farms. *Int J Parasitol*.

322. Reynolds, B. C., D. G. Turner, R. C. McPherson, C. T. Prendergast, R. G. Phelps, N. A. Turner, R. A. O'Connor, and S. M. Anderton. 2014. Exposure to inflammatory cytokines selectively limits GM-CSF production by induced T regulatory cells. *Eur J Immunol*.
323. Reynolds, L. A., Y. Harcus, K. A. Smith, L. M. Webb, J. P. Hewitson, E. A. Ross, S. Brown, S. Uematsu, S. Akira, D. Gray, M. Gray, A. S. MacDonald, A. F. Cunningham, and R. M. Maizels. 2014. MyD88 Signaling Inhibits Protective Immunity to the Gastrointestinal Helminth Parasite *Heligmosomoides polygyrus*. *J Immunol* 193:2984-2993.
324. Riaz, A., I. Dry, C. S. Levy, J. Hopkins, F. Grey, D. J. Shaw, and R. G. Dalziel. 2014. Ovine herpesvirus-2-encoded microRNAs target virus genes involved in virus latency. *J Gen Virol* 95:472-480.
325. Rigby, R. E., L. M. Webb, K. J. Mackenzie, Y. Li, A. Leitch, M. A. Reijns, R. J. Lundie, A. Revuelta, D. J. Davidson, S. Diebold, Y. Modis, A. S. Macdonald, and A. P. Jackson. 2014. RNA:DNA hybrids are a novel molecular pattern sensed by TLR9. *Embo J* 33:542-558.
326. Riggio, V., M. Abdel-Aziz, O. Matika, C. R. Moreno, A. Carta, and S. C. Bishop. 2014. Accuracy of genomic prediction within and across populations for nematode resistance and body weight traits in sheep. *Animal* 8:520-528.
327. Rinaldi, S. F., R. D. Catalano, J. Wade, A. G. Rossi, and J. E. Norman. 2014. Decidual neutrophil infiltration is not required for preterm birth in a mouse model of infection-induced preterm labor. *J Immunol* 192:23152325.
328. Robb, C. T., E. A. Dyrinda, R. D. Gray, A. G. Rossi, and V. J. Smith. 2014. Invertebrate extracellular phagocyte traps show that chromatin is an ancient defence weapon. *Nat Commun* 5:4627.
329. Robert, C., P. Fuentes-Utrilla, K. Troup, J. Loecherbach, F. Turner, R. Talbot, A. L. Archibald, A. Mileham, N. Deeb, D. A. Hume, and M. Watson. 2014. Design and development of exome capture sequencing for the domestic pig (*Sus scrofa*). *BMC Genomics* 15:550.
330. Roche, D. G., R. Lanfear, S. A. Binning, T. M. Haff, L. E. Schwanz, K. E. Cain, H. Kokko, M. D. Jennions, and L. E. Kruuk. 2014. Troubleshooting public data archiving: suggestions to increase participation. *PLoS Biol* 12:e1001779.
331. Romanov, M. N., M. Farre, P. E. Lithgow, K. E. Fowler, B. M. Skinner, O. C. R, G. Fonseka, N. Backstrom, Y. Matsuda, C. Nishida, P. Houde, E. D. Jarvis, H. Ellegren, D. W. Burt, D. M. Larkin, and D. K. Griffin. 2014. Reconstruction of gross avian genome structure, organization and evolution suggests that the chicken lineage most closely resembles the dinosaur avian ancestor. *BMC Genomics* 15:1060.
332. Ross-Gillespie, A., M. Weigert, S. P. Brown, and R. Kummerli. 2014. Gallium-mediated siderophore quenching as an evolutionarily robust antibacterial treatment. *Evol Med Public Health*.
333. Ruckerl, D., and J. E. Allen. 2014. Macrophage proliferation, provenance, and plasticity in macroparasite infection. *Immunol Rev* 262:113-133.
334. Rudan, I., H. Campbell, and A. Marusic. 2014. The first three years of the Journal of Global Health: Assessing the impact. *J Glob Health* 4:010101.
335. Russell, C. A., P. M. Kasson, R. O. Donis, S. Riley, J. Dunbar, A. Rambaut, J. Asher, S. Burke, C. T. Davis, R. J. Garten, S. Gnanakaran, S. I. Hay, S. Herfst, N. S. Lewis, J. O. Lloyd-Smith, C. A. Macken, S. Maurer-Stroh, E. Neuhaus, C. R. Parrish, K. M. Pepin, S. S. Shepard, D. L. Smith, D. L. Suarez, S. C. Trock, M. A. Widdowson, D. B. George, M. Lipsitch, and J. D. Bloom. 2014. Improving pandemic influenza risk assessment. *Elife* 3.
336. Russell, C. D., P. Claxton, C. Doig, A. L. Seagar, A. Rayner, and I. F. Laurenson. 2014. Non-tuberculous mycobacteria: a retrospective review of Scottish isolates from 2000 to 2010. *Thorax* 69:593-595.
337. Russell, C. D., S. J. Griffiths, and J. Haas. 2014. Interferon lambda genetic polymorphisms and viral infection: the tip of the iceberg? *DNA Cell Biol* 33:60-63.
338. Russell, C. D., A. Lawson McLean, C. Saunders, and I. F. Laurenson. 2014. Adjunctive rifampicin may improve outcomes in *Staphylococcus aureus* bacteraemia: a systematic review. *J Med Microbiol* 63:841-848.
339. Russell, C. D., and J. Schwarze. 2014. The role of pro-resolution lipid mediators in infectious disease. *Immunology* 141:166-173.
340. Sadeyen, J. R., P. Kaiser, M. P. Stevens, and F. Dziva. 2014. Analysis of immune responses induced by avian pathogenic *Escherichia coli* infection in turkeys and their association with resistance to homologous rechallenge. *Vet Res* 45:19.
341. Salimnia, H., M. R. Fairfax, P. Lephart, M. Morgan, J. J. Gilbreath, S. M. Butler-Wu, K. E. Templeton, F. J. Hamilton, F. Wu, R. Buckner, D. Fuller, T. E. Davis, A. M. Abdelhamed, M. R. Jacobs, A. Miller, B. Pfrommer, and K. C. Carroll. 2014. An International, Prospective, Multi-Center Evaluation of the Combination of the

- AdvanDx Staphylococcus QuickFISH BC with the mecA XpressFISH for the Detection of Methicillin-Resistant Staphylococcus aureus from Positive Blood Cultures. *J Clin Microbiol*.
342. Salmond, R. J., R. J. Brownlie, V. L. Morrison, and R. Zamoyska. 2014. The tyrosine phosphatase PTPN22 discriminates weak self peptides from strong agonist TCR signals. *Nat Immunol* 15:875-883.
  343. Samuel, M., S. Jose, A. Winston, M. Nelson, M. Johnson, D. Chadwick, M. Fisher, C. Leen, M. Gompels, R. Gilson, F. A. Post, P. Hay, and C. A. Sabin. 2014. The effects of age on associations between markers of HIV progression and markers of metabolic function including albumin, haemoglobin and lipid concentrations. *HIV Med* 15:311-316.
  344. Santhanam, J., L. Raberg, A. F. Read, and N. J. Savill. 2014. Immune-mediated competition in rodent malaria is most likely caused by induced changes in innate immune clearance of merozoites. *PLoS Comput Biol* 10:e1003416.
  345. Sargison, N. D., and V. Busin. 2014. A model for the control of psoroptic mange in sheep. *Vet Rec* 175:481483.
  346. Sarvi, S., A. C. Mackinnon, N. Avlonitis, M. Bradley, R. C. Rintoul, D. M. Rassl, W. Wang, S. J. Forbes, C. D. Gregory, and T. Sethi. 2014. CD133+ cancer stem-like cells in small cell lung cancer are highly tumorigenic and chemoresistant but sensitive to a novel neuropeptide antagonist. *Cancer Res* 74:1554-1565.
  347. Sauter, K. A., C. Pridans, A. Sehgal, Y. T. Tsai, B. M. Bradford, S. Raza, L. Moffat, D. J. Gow, P. M. Beard, N. A. Mabbott, L. B. Smith, and D. A. Hume. 2014. Pleiotropic effects of extended blockade of CSF1R signaling in adult mice. *J Leukoc Biol* 96:265-274.
  348. Scheel, T. K., P. Simmonds, and A. Kapoor. 2014. Surveying the global virome: Identification and characterization of HCV-related animal hepaciviruses. *Antiviral Res*.
  349. Schmidl, C., K. Renner, K. Peter, R. Eder, T. Lassmann, P. J. Balwierz, M. Itoh, S. Nagao-Sato, H. Kawaji, P. Carninci, H. Suzuki, Y. Hayashizaki, R. Andreessen, D. A. Hume, P. Hoffmann, A. R. Forrest, M. P. Kreutz, M. Edinger, and M. Rehli. 2014. Transcription and enhancer profiling in human monocyte subsets. *Blood* 123:e90-99.
  350. Schnarwiler, F., M. Niemann, N. Doiron, A. Harsman, S. Kaser, J. Mani, A. Chanfon, C. E. Dewar, S. Oeljeklaus, C. B. Jackson, M. Pusnik, O. Schmidt, C. Meisinger, S. Hiller, B. Warscheid, A. C. Schnaufer, T. Ochsenreiter, and A. Schneider. 2014. Trypanosomal TAC40 constitutes a novel subclass of mitochondrial beta-barrel proteins specialized in mitochondrial genome inheritance. *Proc Natl Acad Sci U S A* 111:7624-7629.
  351. Schnettler, E., H. Tykalova, M. Watson, M. Sharma, M. G. Sterken, D. J. Obbard, S. H. Lewis, M. McFarlane, L. Bell-Sakyi, G. Barry, S. Weisheit, S. M. Best, R. J. Kuhn, G. P. Pijlman, M. E. Chase-Topping, E. A. Gould, L. Grubhoffer, J. K. Fazakerley, and A. Kohl. 2014. Induction and suppression of tick cell antiviral RNAi responses by tick-borne flaviviruses. *Nucleic Acids Res*.
  352. Schoebel, C. N., S. K. Auld, P. Spaak, and T. J. Little. 2014. Effects of juvenile host density and food availability on adult immune response, parasite resistance and virulence in a Daphnia-parasite system. *PLoS One* 9:e94569.
  353. Schuh, A. J., M. J. Ward, A. J. Leigh Brown, and A. D. Barrett. 2014. Dynamics of the emergence and establishment of a newly dominant genotype of Japanese encephalitis virus throughout Asia. *J Virol*.
  354. Seale, A. C., H. Blencowe, A. A. Manu, H. Nair, R. Bahl, S. A. Qazi, A. K. Zaidi, J. A. Berkley, S. N. Cousens, and J. E. Lawn. 2014. Estimates of possible severe bacterial infection in neonates in sub-Saharan Africa, south Asia, and Latin America for 2012: a systematic review and meta-analysis. *Lancet Infect Dis* 14:731-741.
  355. Serao, N. V., O. Matika, R. A. Kemp, J. C. Harding, S. C. Bishop, G. S. Plastow, and J. C. Dekkers. 2014. Genetic analysis of reproductive traits and antibody response in a PRRS outbreak herd. *J Anim Sci*.
  356. Servant-Delmas, A., S. Laperche, F. Lionnet, C. Sharp, P. Simmonds, and J. J. Lefrere. 2014. Human parvovirus 4 infection in low- and high-risk French individuals. *Transfusion* 54:744-745.
  357. Shameer, S., F. J. Logan-Klumpler, F. Vinson, L. Cottret, B. Merlet, F. Achcar, M. Boshart, M. Berriman, R. Breitling, F. Bringaud, P. Butikofer, A. M. Cattanach, B. Bannerman-Chukualim, D. J. Creek, K. Crouch, H. P. de Koning, H. Denise, C. Ebikeme, A. H. Fairlamb, M. A. Ferguson, M. L. Ginger, C. Hertz-Fowler, E. J. Kerkhoven, P. Maser, P. A. Michels, A. Nayak, D. W. Nes, D. P. Nolan, C. Olsen, F. Silva-Franco, T. K. Smith, M. C. Taylor, A. G. Tielens, M. D. Urbaniak, J. J. van Hellemond, I. M. Vincent, S. R. Wilkinson, S. Wyllie, F. R. Opperdoes, M. P. Barrett, and F. Jourdan. 2014. TrypanoCyc: a community-led biochemical pathways database for Trypanosoma brucei. *Nucleic Acids Res*.
  358. Shen, P., T. Roch, V. Lampropoulou, R. A. O'Connor, U. Stervbo, E. Hilgenberg, S. Ries, V. D. Dang, Y. Jaimes, C. Daridon, R. Li, L. Jouneau, P. Boudinot, S. Wilantri, I. Sakwa, Y. Miyazaki, M. D. Leech, R. C. McPherson, S.



- Wirtz, M. Neurath, K. Hoehlig, E. Meinl, A. Grutzkau, J. R. Grun, K. Horn, A. A. Kuhl, T. Dorner, A. Bar-Or, S. H. Kaufmann, S. M. Anderton, and S. Fillatreau. 2014. IL-35-producing B cells are critical regulators of immunity during autoimmune and infectious diseases. *Nature*.
359. Shepherd, L., J. C. Souberbielle, J. P. Bastard, S. Fellahi, J. Capeau, J. Reekie, P. Reiss, A. Blaxhult, M. Bickel, C. Leen, O. Kirk, J. D. Lundgren, A. Mocroft, and J. P. Viard. 2014. Prognostic value of vitamin D level for all-cause mortality, and association with inflammatory markers, in HIV-infected persons. *J Infect Dis*.
360. Sheridan, J. M., and C. C. Blackburn. 2014. Generation of tissue organoids by compaction reaggregation. *Methods Mol Biol* 1092:143-151.
361. Sheridan, V., L. Polychronopoulos, B. M. Dutia, and B. Ebrahimi. 2014. A Shutoff and Exonuclease Mutant of Murine Gammaherpesvirus-68 Yields Infectious Virus and Causes RNA loss in Type I Interferon Receptor Knock-Out cells. *J Gen Virol*.
362. Sheridan, V., L. Polychronopoulos, B. M. Dutia, and B. Ebrahimi. 2014. A shutoff and exonuclease mutant of murine gammaherpesvirus-68 yields infectious virus and causes RNA loss in type I interferon receptor knockout cells. *J Gen Virol* 95:1135-1143.
363. Sidhu, M. K., P. Mandal, and A. T. Hill. 2014. Bronchiectasis: an update on current pharmacotherapy and future perspectives. *Expert Opin Pharmacother* 15:505-525.
364. Siebrasse, E. A., N. L. Nguyen, C. Smith, P. Simmonds, and D. Wang. 2014. Immunohistochemical detection of KI polyomavirus in lung and spleen. *Virology* 468-470C:178-184.
365. Simmonds, P. 2014. Methods for virus classification and the challenge of incorporating metagenomic sequence data. *J Gen Virol*.
366. Simpson, C. L., R. Wojciechowski, K. Oexle, F. Murgia, L. Portas, X. Li, V. J. Verhoeven, V. Vitart, M. Schache, S. M. Hosseini, P. G. Hysi, L. J. Raffel, M. F. Cotch, E. Chew, B. E. Klein, R. Klein, T. Y. Wong, C. M. van Duijn, P. Mitchell, S. M. Saw, M. Fossarello, J. J. Wang, O. Polasek, H. Campbell, I. Rudan, B. A. Oostra, A. G. Uitterlinden, A. Hofman, F. Rivadeneira, N. Amin, L. C. Karssen, J. R. Vingerling, A. Doring, T. Bettecken, G. Bencic, C. Gieger, H. E. Wichmann, J. F. Wilson, C. Venturini, B. Fleck, P. M. Cumberland, J. S. Rahi, C. J. Hammond, C. Hayward, A. F. Wright, A. D. Paterson, P. N. Baird, C. C. Klaver, J. I. Rotter, M. Pirastu, T. Meitinger, J. E. Bailey-Wilson, and D. Stambolian. 2014. Genome-wide meta-analysis of myopia and hyperopia provides evidence for replication of 11 Loci. *PLoS One* 9:e107110.
367. Sinclair, C., E. Gaunt, P. Simmonds, D. Broomfield, N. Nwafor, L. Wellington, K. Templeton, L. Willocks, O. Schofield, and H. Harvala. 2014. Atypical hand, foot, and mouth disease associated with coxsackievirus A6 infection, Edinburgh, United Kingdom, January to February 2014. *Euro Surveill* 19:20745.
368. Smith, C. J., L. Ryom, R. Weber, P. Morlat, C. Pradier, P. Reiss, J. D. Kowalska, S. de Wit, M. Law, W. el Sadr, O. Kirk, N. Friis-Moller, A. Monforte, A. N. Phillips, C. A. Sabin, and J. D. Lundgren. 2014. Trends in underlying causes of death in people with HIV from 1999 to 2011 (D:A:D): a multicohort collaboration. *Lancet* 384:241248.
369. Smith, C. L., P. Dickinson, T. Forster, M. Craigon, A. Ross, M. R. Khondoker, R. France, A. Ivens, D. J. Lynn, J. Orme, A. Jackson, P. Lacaze, K. L. Flanagan, B. J. Stenson, and P. Ghazal. 2014. Identification of a human neonatal immune-metabolic network associated with bacterial infection. *Nat Commun* 5:4649.
370. Smith, D. B., and P. Simmonds. 2014. Hepatitis E virus and fulminant hepatitis - a virus or host-specific pathology? *Liver Int*.
371. Smith, D. B., P. Simmonds, and J. E. Bell. 2014. Brain viral burden, neuroinflammation and neurodegeneration in HAART-treated HIV positive injecting drug users. *J Neurovirol* 20:28-38.
372. Smith, D. B., P. Simmonds, S. Jameel, S. U. Emerson, T. J. Harrison, X. J. Meng, H. Okamoto, W. H. Van der Poel, and M. A. Purdy. 2014. CONSENSUS PROPOSALS FOR CLASSIFICATION OF THE FAMILY HEPEVIRIDAE. *J Gen Virol* 95:2223-2232.
373. Smith, J., J. R. Sadeyen, C. Butter, P. Kaiser, and D. W. Burt. 2014. Analysis of the early immune response to infection by Infectious Bursal Disease Virus (IBDV) in chickens differing in their resistance to the disease. *J Virol*.
374. Smith, R. W., T. K. Blee, and N. K. Gray. 2014. Poly(A)-binding proteins are required for diverse biological processes in metazoans. *Biochem Soc Trans* 42:1229-1237.
375. Sotillo, J., A. Sanchez-Flores, C. Cantacessi, Y. Harcus, D. Pickering, T. Bouchery, M. Camberis, S. C. Tang, P. Giacomini, J. Mulvenna, M. Mitreva, M. Berriman, G. LeGros, R. M. Maizels, and A. Loukas. 2014. Secreted

proteomes of different developmental stages of the gastrointestinal nematode *Nippostrongylus brasiliensis*. *Mol Cell Proteomics*.

376. Stevenson, L., P. Huda, A. Jeppesen, E. Laursen, J. A. Rowe, A. Craig, W. Streicher, L. Barfod, and L. Hviid. 2014. Investigating the function of F-specific binding of IgM to *Plasmodium falciparum* erythrocyte membrane protein 1 mediating erythrocyte rosetting. *Cell Microbiol*.
377. Surat, G., W. A. Wallace, I. F. Laurenson, and A. L. Seagar. 2014. Rapid real-time PCR for detection of *Mycobacterium tuberculosis* complex DNA in formalin-fixed paraffin embedded tissues: 16% of histological 'sarcoid' may contain such DNA. *J Clin Pathol* 67:1084-1087.
378. Sutherland, T. E., N. Logan, D. Ruckerl, A. A. Humbles, S. M. Allan, V. Papayannopoulos, B. Stockinger, R. M. Maizels, and J. E. Allen. 2014. Chitinase-like proteins promote IL-17-mediated neutrophilia in a tradeoff between nematode killing and host damage. *Nat Immunol* 15:1116-1125.
379. Szitenberg, A., G. Koutsovoulos, M. L. Blaxter, and D. H. Lunt. 2014. The evolution of tyrosine-recombinase elements in nematoda. *PLoS One* 9:e106630.
380. Szoor, B., J. R. Haanstra, M. Gualdrón-Lopez, and P. A. Michels. 2014. Evolution, dynamics and specialized functions of glycosomes in metabolism and development of trypanosomatids. *Curr Opin Microbiol* 22C:79-87.
381. Taori, S. K., A. Wroe, A. Hardie, A. P. Gibb, and I. R. Poxton. 2014. A prospective study of community-associated *Clostridium difficile* infections: The role of antibiotics and co-infections. *J Infect*.
382. Taylor, E. M., and I. Harper. 2014. The politics and anti-politics of the global fund experiment: understanding partnership and bureaucratic expansion in Uganda. *Med Anthropol* 33:206-222.
383. Theodoratou, E., H. Campbell, N. T. Ventham, D. Kolarich, M. Pucic-Bakovic, V. Zoldos, D. Fernandes, I. K. Pemberton, I. Rudan, N. A. Kennedy, M. Wuhrer, E. Nimmo, V. Annese, D. P. McGovern, J. Satsangi, and G. Lauc. 2014. The role of glycosylation in IBD. *Nat Rev Gastroenterol Hepatol*.
384. Theodoratou, E., S. M. Farrington, A. Tenesa, G. McNeill, R. Cetnarskyj, E. Korakakis, F. V. Din, M. E. Porteous, M. G. Dunlop, and H. Campbell. 2014. Associations between dietary and lifestyle risk factors and colorectal cancer in the Scottish population. *Eur J Cancer Prev* 23:8-17.
385. Theodoratou, E., D. A. McAllister, C. Reed, D. O. Adeloye, I. Rudan, L. M. Muhe, S. A. Madhi, H. Campbell, and H. Nair. 2014. Global, regional, and national estimates of pneumonia burden in HIV-infected children in 2010: a meta-analysis and modelling study. *Lancet Infect Dis* 14:1250-1258.
386. Tong, S., M. M. Skubisz, and A. W. Horne. 2014. Molecular diagnostics and therapeutics for ectopic pregnancy. *Mol Hum Reprod*.
387. Tree, J. J., S. Granneman, S. P. McAteer, D. Tollervey, and D. L. Gally. 2014. Identification of Bacteriophage Encoded Anti-sRNAs in Pathogenic *Escherichia coli*. *Mol Cell* 55:199-213.
388. Truman, R. W., G. J. Ebenezer, M. T. Pena, R. Sharma, G. Balamayooran, T. H. Gillingwater, D. M. Scollard, J. C. McArthur, and A. Rambukkana. 2014. The armadillo as a model for peripheral neuropathy in leprosy. *ILAR J* 54:304-314.
389. Tsairidou, S., J. A. Woolliams, A. R. Allen, R. A. Skuce, S. H. McBride, D. M. Wright, M. L. Bermingham, R. PongWong, O. Matika, S. W. McDowell, E. J. Glass, and S. C. Bishop. 2014. Genomic prediction for tuberculosis resistance in dairy cattle. *PLoS One* 9:e96728.
390. Tulloch, F., N. J. Atkinson, D. J. Evans, M. D. Ryan, and P. Simmonds. 2014. RNA virus attenuation by codon pair deoptimisation is an artefact of increases in CpG/UpA dinucleotide frequencies. *Elife* 3.
391. Tulloch, F., U. Pathania, G. A. Luke, J. Nicholson, N. J. Stonehouse, D. J. Rowlands, T. Jackson, T. Tuthill, J. Haas, A. I. Lamond, and M. D. Ryan. 2014. FMDV replicons encoding green fluorescent protein are replication competent. *J Virol Methods* 209C:35-40.
392. Unger, H. W., E. Megaly, A. Dick, A. W. Horne, S. Milne, and C. West. 2014. Women's satisfaction and symptoms following NovaSure endometrial ablation: A postal questionnaire survey in Lothian, Scotland. *J Obstet Gynaecol*.
393. Vale, P. F., A. Fenton, and S. P. Brown. 2014. Limiting damage during infection: lessons from infection tolerance for novel therapeutics. *PLoS Biol* 12:e1001769.
394. Valiakos, G., K. Papaspyropoulos, A. Giannakopoulos, P. Birtsas, S. Tsiodras, M. R. Hutchings, V. Spyrou, D. Pervanidou, L. V. Athanasiou, N. Papadopoulos, C. Tsokana, A. Baka, K. Manolakou, D. Chatzopoulos, M. Artois, L. Yon, D. Hannant, L. Petrovska, C. Hadjichristodoulou, and C. Billinis. 2014. Use of Wild Bird Surveillance, Human Case Data and GIS Spatial Analysis for Predicting Spatial Distributions of West Nile Virus in Greece. *PLoS One* 9:e96935.

395. van der Meer, P. F., L. J. Dumont, M. Lozano, N. Bondar, J. Wong, S. Ismay, J. Pink, W. Nussbaumer, J. Coene, H. B. Feys, V. Compennolle, D. V. Devine, D. Howe, C. K. Lin, J. Sun, J. Ringwald, E. F. Strasser, R. Eckstein, A. Seltam, P. Perseghin, P. Proserpio, S. Wakamoto, M. Akino, S. Takamoto, K. Tadokoro, D. Teo, P. H. Shu, S. S. Chua, T. Jimenez-Marco, J. Cid, E. Castro, I. Munoz, H. Gulliksson, P. Sandgren, S. Thomas, J. Petrik, K. McColl, H. Kamel, J. Dugger, J. D. Sweeney, J. B. Gorlin, L. J. Sutor, D. Heath, and M. H. Sayers. 2014. Aggregates in platelet concentrates. *Vox Sang*.
396. Van Dung, N., P. H. Anh, N. Van Cuong, N. T. Hoa, J. Carrique-Mas, V. B. Hien, J. Campbell, S. Baker, J. Farrar, M. E. Woolhouse, J. E. Bryant, and P. Simmonds. 2014. Prevalence, genetic diversity and recombination of species G enteroviruses infecting pigs in Vietnam. *J Gen Virol* 95:549-556.
397. van Mierlo, J. T., G. J. Overheul, B. Obadia, K. W. van Cleef, C. L. Webster, M. C. Saleh, D. J. Obbard, and R. P. van Rij. 2014. Novel Drosophila Viruses Encode Host-Specific Suppressors of RNAi. *PLoS Pathog* 10:e1004256.
398. Van Nguyen, D., H. Harvala, E. M. Ngole, E. Delaporte, M. E. Woolhouse, M. Peeters, and P. Simmonds. 2014. High rates of infection with novel enterovirus variants in wild populations of mandrills and other old world monkey species. *J Virol* 88:5967-5976.
399. Venkateswaran, S., M. Wu, P. J. Gwynne, A. Hardman, A. Lilienkampf, S. Pernagallo, G. Blakely, D. G. Swann, M. P. Gallagher, and M. Bradley. 2014. Bacteria repelling poly(methylmethacrylate--dimethylacrylamide) coatings for biomedical devices. Electronic supplementary information (ESI) available: Polymer microarray screening, including analysis of bacterial adhesion by fluorescence microscopy and SEM, and chemical composition of bacteria repelling polymers identified in the screen; polymer synthesis and characterisation; preparation of catheter pieces and solvent studies, and details for confocal imaging/analysis. See DOI: 10.1039/c4tb01129e. Click here for additional data file. *J Mater Chem B Mater Biol Med* 2:6723-6729.
400. Verhelst, D., S. De Craeye, G. Entrican, P. Dorny, and E. Cox. 2014. Parasite distribution and associated immune response during the acute phase of *Toxoplasma gondii* infection in sheep. *BMC Vet Res* 10:293.
401. Vimalaswaran, K. S., A. Cavadino, D. J. Berry, R. Jorde, A. K. Dieffenbach, C. Lu, A. C. Alves, H. J. Heerspink, E. Tikkanen, J. Eriksson, A. Wong, M. Mangino, K. A. Jablonski, I. M. Nolte, D. K. Houston, T. S. Ahluwalia, P. J. van der Most, D. Pasko, L. Zgaga, E. Thiering, V. Vitart, R. M. Fraser, J. E. Huffman, R. A. de Boer, B. Schottker, K. U. Saum, M. I. McCarthy, J. Dupuis, K. H. Herzig, S. Seibert, A. Pouta, J. Laitinen, M. E. Kleber, G. Navis, M. Lorentzon, K. Jameson, N. Arden, J. A. Cooper, J. Acharya, R. Hardy, O. Raitakari, S. Ripatti, L. K. Billings, J. Lahti, C. Osmond, B. W. Penninx, L. Rejnmark, K. K. Lohman, L. Paternoster, R. P. Stolk, D. G. Hernandez, L. Byberg, E. Hagstrom, H. Melhus, E. Ingelsson, D. Mellstrom, O. Ljunggren, I. Tzoulaki, S. McLachlan, E. Theodoratou, C. M. Tiesler, A. Julia, P. Navarro, A. F. Wright, O. Polasek, J. F. Wilson, I. Rudan, V. Salomaa, J. Heinrich, H. Campbell, J. F. Price, M. Karlsson, L. Lind, K. Michaelsson, S. Bandinelli, T. M. Frayling, C. A. Hartman, T. I. Sorensen, S. B. Kritchevsky, B. L. Langdahl, J. G. Eriksson, J. C. Florez, T. D. Spector, T. Lehtimaki, D. Kuh, S. E. Humphries, C. Cooper, C. Ohlsson, W. Marz, M. H. de Borst, M. Kumari, M. Kivimaki, T. J. Wang, C. Power, H. Brenner, G. Grimnes, P. van der Harst, H. Snieder, A. D. Hingorani, S. Pilz, et al. 2014. Association of vitamin D status with arterial blood pressure and hypertension risk: a mendelian randomisation study. *Lancet Diabetes Endocrinol*.
402. von Wissmann, B., J. Fyfe, K. Picozzi, L. Hamill, C. Waiswa, and S. C. Welburn. 2014. Quantifying the Association between Bovine and Human Trypanosomiasis in Newly Affected Sleeping Sickness Areas of Uganda. *PLoS Negl Trop Dis* 8:e2931.
403. Vrancken, B., A. Rambaut, M. A. Suchard, A. Drummond, G. Baele, I. Derdelinckx, E. Van Wijngaerden, A. M. Vandamme, K. Van Laethem, and P. Lemey. 2014. The Genealogical Population Dynamics of HIV-1 in a Large Transmission Chain: Bridging within and among Host Evolutionary Rates. *PLoS Comput Biol* 10:e1003505.
404. Vu Tra My, P., M. A. Rabaa, C. Donato, D. Cowley, V. Vinh Phat, T. Thi Ngoc Dung, P. Hong Anh, H. Vinh, J. E. Bryant, P. Kellam, G. Thwaites, M. E. Woolhouse, C. D. Kirkwood, and S. Baker. 2014. Novel porcine-like human G26P[19] rotavirus identified in hospitalized pediatric diarrhea patients in Ho Chi Minh City. *J Gen Virol*.
405. Wagner, S., D. L. Gally, and S. A. Argyle. 2014. Multidrug-resistant *Escherichia coli* from canine urinary tract infections tend to have commensal phylotypes, lower prevalence of virulence determinants and ampC replicons. *Vet Microbiol* 169:171-178.
406. Walker, D., P. M. Beard, C. P. Sharp, and A. W. Philbey. 2014. Canine distemper imported into the UK. *Vet Rec* 175:433.

407. Walker, K. M., S. Okitsu, D. W. Porter, C. Duncan, M. Amacker, G. Pluschke, D. R. Cavanagh, A. V. Hill, and S. M. Todryk. 2014. Antibody and T cell responses associated with experimental human malaria infection or vaccination show limited relationships. *Immunology*.
408. Walker, T. M., M. K. Lalor, A. Broda, L. S. Ortega, M. Morgan, L. Parker, S. Churchill, K. Bennett, T. Golubchik, A. P. Giess, C. Del Ojo Elias, K. J. Jeffery, I. C. Bowler, I. F. Laurenson, A. Barrett, F. Drobniewski, N. D. McCarthy, L. F. Anderson, I. Abubakar, H. L. Thomas, P. Monk, E. G. Smith, A. S. Walker, D. W. Crook, T. E. Peto, and C. P. Conlon. 2014. Assessment of Mycobacterium tuberculosis transmission in Oxfordshire, UK, 2007-12, with whole pathogen genome sequences: an observational study. *Lancet Respir Med* 2:285-292. 409.  
Walling, C. A., M. B. Morrissey, K. Foerster, T. H. Clutton-Brock, J. M. Pemberton, and L. E. Kruuk. 2014. A Multivariate Analysis of Genetic Constraints to Life History Evolution in a Wild Population of Red Deer. *Genetics*.
410. Wallock-Richards, D., C. J. Doherty, L. Doherty, D. J. Clarke, M. Place, J. R. Govan, and D. J. Campopiano. 2014. Garlic Revisited: Antimicrobial Activity of Allicin-Containing Garlic Extracts against Burkholderia cepacia Complex. *PLoS One* 9:e112726.
411. Wami, W. M., N. Nausch, K. Bauer, N. Midzi, R. Gwisai, P. Simmonds, T. Mduluzi, M. Woolhouse, and F. Mutapi. 2014. Comparing parasitological vs serological determination of Schistosoma haematobium infection prevalence in preschool and primary school-aged children: implications for control programmes. *Parasitology*:1-9.
412. Ward, C., J. Pedraza, K. Kavanagh, I. Johannessen, and K. Cuschieri. 2014. An evaluation of the Qiagen HPV sign for the detection and genotyping of cervical lesions and oropharyngeal squamous cell carcinomas. *J Virol Methods*.
413. Ward, M. J., C. L. Gibbons, P. R. McAdam, B. A. van Bunnik, E. K. Girvan, G. F. Edwards, J. R. Fitzgerald, and M. E. Woolhouse. 2014. Time-scaled evolutionary analysis of the transmission and antibiotic resistance dynamics of Staphylococcus aureus CC398. *Appl Environ Microbiol*.
414. Weiss, J. T., J. C. Dawson, K. G. Macleod, W. Rybski, C. Fraser, C. Torres-Sanchez, E. E. Patton, M. Bradley, N. O. Carragher, and A. Unciti-Broceta. 2014. Extracellular palladium-catalysed dealkylation of 5-fluoro-1propargyl-uracil as a bioorthogonally activated prodrug approach. *Nat Commun* 5:3277.
415. Whiffin, N., F. Hosking, S. M. Farrington, C. Palles, S. Dobbins, L. Zgaga, A. Lloyd, B. Kinnersley, M. Gorman, A. Tenesa, P. Broderick, Y. Wang, E. Barclay, C. Hayward, L. Martin, D. D. Buchanan, A. K. Win, J. Hopper, M. Jenkins, N. M. Lindor, P. A. Newcomb, S. Gallinger, D. Conti, F. Schumacher, G. Casey, T. Liu, H. Campbell, A. Lindblom, R. S. Houlston, I. Tomlinson, and M. G. Dunlop. 2014. Identification of susceptibility loci for colorectal cancer in a genome-wide meta-analysis. *Hum Mol Genet*.
416. Williams, I., D. Churchill, J. Anderson, M. Boffito, M. Bower, G. Cairns, K. Cwynarski, S. Edwards, S. Fidler, M. Fisher, A. Freedman, A. M. Geretti, Y. Gilleece, R. Horne, M. Johnson, S. Khoo, C. Leen, N. Marshall, M. Nelson, C. Orkin, N. Paton, A. Phillips, F. Post, A. Pozniak, C. Sabin, R. Trevelion, A. Ustianowski, J. Walsh, L. Waters, E. Wilkins, A. Winston, and M. Youle. 2014. British HIV Association guidelines for the treatment of HIV-1-positive adults with antiretroviral therapy 2012 (Updated November 2013. All changed text is cast in yellow highlight.). *HIV Med* 15 Suppl 1:1-6.
417. Winter, L., I. Staszewska, E. Mihailovska, I. Fischer, W. H. Goldmann, R. Schroder, and G. Wiche. 2014. Chemical chaperone ameliorates pathological protein aggregation in plectin-deficient muscle. *J Clin Invest* 124:1144-1157.
418. Wong, E. K., H. E. Anderson, A. P. Herbert, R. C. Challis, P. Brown, G. S. Reis, J. O. Tellez, L. Strain, N. Fluck, A. Humphrey, A. Macleod, A. Richards, D. Ahlert, M. Santibanez-Koref, P. N. Barlow, K. J. Marchbank, C. L. Harris, T. H. Goodship, and D. Kavanagh. 2014. Characterization of a Factor H Mutation That Perturbs the Alternative Pathway of Complement in a Family with Membranoproliferative GN. *J Am Soc Nephrol* 25:2425-2433.
419. Wongsombat, C., A. Aroonsri, S. Kamchonwongpaisan, H. P. Morgan, M. D. Walkinshaw, Y. Yuthavong, and P. J. Shaw. 2014. Molecular characterization of Plasmodium falciparum Bruno/CELf RNA binding proteins. *Mol Biochem Parasitol* 198:1-10.
420. Wood, A. R., T. Esko, J. Yang, S. Vedantam, T. H. Pers, S. Gustafsson, A. Y. Chu, K. Estrada, J. Luan, Z. Kutalik, et al. 2014. Defining the role of common variation in the genomic and biological architecture of adult human height. *Nat Genet* 46:1173-1186.



421. Worobey, M., G. Z. Han, and A. Rambaut. 2014. Genesis and pathogenesis of the 1918 pandemic H1N1 influenza A virus. *Proc Natl Acad Sci U S A* 111:8107-8112.
422. Worobey, M., G. Z. Han, and A. Rambaut. 2014. A synchronized global sweep of the internal genes of modern avian influenza virus. *Nature* 508:254-257.
423. Xu, M. J., S. B. Qiu, A. J. Nisbet, J. H. Fu, C. C. Shao, and X. Q. Zhu. 2014. Global characterization of microRNAs in *Trichomonas gallinae*. *Parasit Vectors* 7:99.
424. Xue, J., S. V. Schmidt, J. Sander, A. Draffehn, W. Krebs, I. Quester, D. De Nardo, T. D. Gohel, M. Emde, L. Schmidleithner, H. Ganesan, A. Nino-Castro, M. R. Mallmann, L. Labzin, H. Theis, M. Kraut, M. Beyer, E. Latz, T. C. Freeman, T. Ulas, and J. L. Schultze. 2014. Transcriptome-based network analysis reveals a spectrum model of human macrophage activation. *Immunity* 40:274-288.
425. Young, V. J., J. K. Brown, J. Maybin, P. T. Saunders, W. C. Duncan, and A. W. Horne. 2014. Transforming growth factor-beta induced Warburg-like metabolic reprogramming may underpin the development of peritoneal endometriosis. *J Clin Endocrinol Metab* 99:3450-3459.
426. Young, V. J., J. K. Brown, P. T. Saunders, W. C. Duncan, and A. W. Horne. 2014. The Peritoneum Is Both a Source and Target of TGF-beta in Women with Endometriosis. *PLoS One* 9:e106773.
427. Yu, M., L. Lamattina, S. H. Spoel, and G. J. Loake. 2014. Nitric oxide function in plant biology: a redox cue in deconvolution. *New Phytol* 202:1142-1156.
428. Zadoks, R. N., R. Tassi, E. Martin, J. Holopainen, S. McCallum, J. Gibbons, and K. T. Ballingall. 2014. Comparison of bacteriological culture and PCR for detection of bacteria in ovine milk-Sheep are not small cows. *J Dairy Sci*.
429. Zagorska, A., P. G. Traves, E. D. Lew, I. Dransfield, and G. Lemke. 2014. Diversification of TAM receptor tyrosine kinase function. *Nat Immunol* 15:920-928.
430. Zgaga, L., E. Theodoratou, S. M. Farrington, F. V. Din, L. Y. Ooi, D. Glodzik, S. Johnston, A. Tenesa, H. Campbell, and M. G. Dunlop. 2014. Plasma Vitamin D Concentration Influences Survival Outcome After a Diagnosis of Colorectal Cancer. *J Clin Oncol*.
431. Zhang, G., C. Li, Q. Li, B. Li, D. M. Larkin, C. Lee, J. F. Storz, A. Antunes, M. J. Greenwold, R. W. Meredith, D. W. Burt, et al. 2014. Comparative genomics reveals insights into avian genome evolution and adaptation. *Science* 346:1311-1320.
432. Zhong, W., H. P. Morgan, M. W. Nowicki, I. W. McNae, M. Yuan, J. Bella, P. A. Michels, L. A. Fothergill, and M. D. Walkinshaw. 2014. Pyruvate kinases have an intrinsic and conserved decarboxylase activity. *Biochem J* 458:301-311.