

Abernethy, D.A., Upton, P., Higgins, I.M., McGrath, G., Goodchild, A.V., Rolfe, S.J., Broughan, J.M., Downs, S.H., Clifton-Hadley, R., Menzies, F.D., de la Rúa-Domenech, R., Blissitt, M.J., Duignan, A., More, S.J., 2013. Bovine tuberculosis trends in the UK and the Republic of Ireland, 1995–2010. *Veterinary Record* 172, 312.

* Aguilar, D., Infante, E., Martin, C., Gormley, E., Gicquel, B., Pando, R.H., 2007. Immunological responses and protective immunity against tuberculosis conferred by vaccination of Balb/C mice with the attenuated *Mycobacterium tuberculosis* (phoP) SO2 strain. *Clinical and Experimental Immunology* 147, 330-338.

* Aguilo, N., Toledo, A.M., Lopez-Roman, E.M., Perez-Herran, E., Gormley, E., Rullas-Trincado, J., Angulo-Barturen, I., Martin, C., 2014. Pulmonary *Mycobacterium bovis* BCG vaccination confers dose-dependent superior protection compared to that of subcutaneous vaccination. *Clinical and Vaccine Immunology* 21, 594-597.

Abdou, M., Frankena, K., O’Keeffe, J., Byrne, A.W., 2016. Effect of culling and vaccination on bovine tuberculosis infection in a European badger (*Meles meles*) population by spatial simulation modelling. *Preventive Veterinary Medicine* 125, 19-30.

Ashe, S., More, S.J., O’Keeffe, J., White, P., McGrath, G., Aznar, I., 2009. Survival and dispersal of a defined cohort of Irish cattle. *Irish Veterinary Journal* 62, 44-49.

Aznar, I., Frankena, K., More, S.J., O’Keeffe, J., McGrath, G., de Jong, M.C.M., 2018. Quantification of *Mycobacterium bovis* transmission in a badger vaccine field trial. *Preventive Veterinary Medicine* 149, 29-37.

Aznar, I., Frankena, K., More, S.J., Whelan, C., Martin, W., Gormley, E., Corner, L.A.L., Murphy, D., De Jong, M.C.M., 2014. Optimising and evaluating the characteristics of a multiple antigen ELISA for detection of *Mycobacterium bovis* infection in a badger vaccine field trial. *PLoS One* 9, e100139.

Aznar, I., McGrath, G., Murphy, D., Corner, L.A.L., Gormley, E., Frankena, K., More, S.J., Martin, W., O’Keeffe, J., De Jong, M.C.M., 2011. Trial design to estimate the effect of vaccination on tuberculosis incidence in badgers. *Veterinary Microbiology* 151, 104-111.

Aznar, I., More, S.J., Frankena, K., de Jong, M.C.M., 2013. Estimating the power of a *Mycobacterium bovis* vaccine trial in Irish badgers. *Preventive Veterinary Medicine* 111, 297-303.

Baldock, F.C., More, S.J., Peeler, E.J., 2008. An introduction to import risk analysis for aquatic animals. *Fish Veterinary Journal* 10, 29-53.

Barrett, D.J., Clegg, T.A., Healy, A.M., Doherty, M.L., 2006. A study of dry cow therapy and effects on SCC in 10 Irish dairy herds. *Journal of Veterinary Medicine Series A* 53, 140-144.

Barrett, D., Collins, D.M., McGrath, G., Ó Muireagain, C., 2012. Seroprevalence of Louping Ill virus (LIV) antibodies in sheep submitted for post mortem examination in the North West of Ireland in 2011. *Irish Veterinary Journal* 65, 20.

Barrett, D.J., Mee, J.F., Mullaney, P., Good, M., McGrath, G., Clegg, T., More, S.J., 2011. Risk factors associated with Johne’s disease test status in dairy herds in Ireland. *Veterinary Record* 168, 410.

CVERA Board of management

* **The TB Diagnostics and Immunology Research Centre and The Badger Vaccine Project**

** **DAFM Veterinary Laboratory Service**

*** **UCC School of Biological, Earth and Environmental Sciences**

**** **The School of Natural Sciences, Trinity College Dublin**

- Barrett, D.J., More, S.J., Graham, D.A., O'Flaherty, J., Doherty, M.L., Gunn, H.M., 2011. Considerations on BVD eradication for the Irish livestock industry. *Irish Veterinary Journal* 64, 12.
- Barrett, D.J., More, S.J., O' Neill, R.G., Collins, D.M., O'Keefe, C., Regazzoli, V., Sammin, D., 2015. Exposure to Schmallenberg virus in Irish sheep in 2013. *Veterinary Record* 177, 494.
- Barrett, D., More, S.J., O'Neill, R., Bradshaw, B, Casey, M., Keane, M., McGrath, G., Sammin, D., 2015. Prevalence and distribution of exposure to Schmallenberg virus in Irish cattle during October 2012 to November 2013. *BMC Veterinary Research* 11, 267.
- Barrett, D., Parr, M., Fagan, J., Johnson, A., Tratalos, J., Lively, F., Diskin, M., Kenny, D., 2018. Prevalence of Bovine Viral Diarrhoea Virus (BVDV), Bovine Herpes Virus 1 (BHV 1), Leptospirosis and Neosporosis, and associated risk factors in 161 Irish beef herds. *BMC Veterinary Research* 14, 8.
- Barrett, D., O'Neill, R. Sammin, D., Clegg, T.A., More, S.J., 2015. The impact of infection with Schmallenberg virus on weaning rate in Irish sheep flocks. *Preventive Veterinary Medicine* 122, 332-338.
- Beekhuis-Gibbon, L., Whyte, P., O'Grady, L., More, S.J., Doherty, M.L., 2011. A HACCP-based approach to mastitis control in dairy herds. Part 1: Development. *Irish Veterinary Journal* 64, 2.
- Beekhuis-Gibbon, L., Devitt, C., Whyte, P., O'Grady, L., More, S.J., Redmond, B., Quin, S., Doherty, M.L., 2011. A HACCP-based approach to mastitis control in dairy herds. Part 2: Implementation and evaluation. *Irish Veterinary Journal* 64, 7.
- Bermingham, M.L., Brotherstone, S., Berry, D.P., More, S.J., Good, M., Cromie, A.R., White, I.M.S., Higgins, I.M., Coffey, M., Downs, S.H., Glass, E.J., Bishop, S.C., Mitchell, A.P., Clifton-Hadley, R.S., Woolliams, J.A., 2011. Evidence for genetic variance in resistance to tuberculosis in Great Britain and Irish Holstein-Friesian populations. *BMC Proceedings* 5 (Suppl. 4), S15.
- Bermingham, M.L., More, S.J., Good, M., Cromie, A.R., Higgins, I.M., Berry, D.P., 2010. Genetic correlations between measures of *Mycobacterium bovis* infection and economically important traits in Irish Holstein-Friesian dairy cows. *Journal of Dairy Science* 93, 5413-5422.
- Bermingham, M.L., More, S.J., Good, M., Cromie, A.R., Higgins, I.M., Brotherstone, S., Berry, D.P., 2009. Genetics of tuberculosis in Irish Holstein-Friesian dairy herds. *Journal of Dairy Science* 92, 3447-3456.
- Berrian, A.M., O'Keefe, J., White, P.W., Norris, J., Litt, J., More, S.J., Olea-Popelka, F.J., 2012. Risk of bovine tuberculosis for cattle sold out from herds during 2005 in Ireland. *Veterinary Record* 170, 620.
- Berry, D.P., Bermingham, M.L., Good, M., More, S.J., 2011. Genetics of animal health and disease in cattle. *Irish Veterinary Journal* 64, 5.
- Berry, D.P., Good, M., Mullaney, P., Cromie, A.R., More, S.J., 2010. Genetic variation in serological response to *Mycobacterium avium* subspecies *paratuberculosis* and its association with performance in Irish Holstein-Friesian dairy cows. *Livestock Science* 131, 102-107.
- Boland, F., O'Grady, L., More, S.J., 2013. Investigating a dilution effect between somatic cell count and milk yield and estimating milk production losses in Irish dairy cattle. *Journal of Dairy Science* 96, 1477-1484.

CVERA Board of management

* **The TB Diagnostics and Immunology Research Centre and The Badger Vaccine Project**

** **DAFM Veterinary Laboratory Service**

*** **UCC School of Biological, Earth and Environmental Sciences**

**** **The School of Natural Sciences, Trinity College Dublin**

- Boland, F., Kelly, G.E., Good, M., More, S.J., 2010. Bovine tuberculosis and milk production in infected dairy herds in Ireland. *Preventive Veterinary Medicine* 93, 153-161.
- Boland, F., Kelly, G.E., Good, M., More, S.J., 2012. Bovine tuberculosis and udder health in Irish dairy herds. *The Veterinary Journal* 192, 71-74.
- Botaro, B.G., Ruelle, E., More, S.J., Strain, S., Graham, D.A., O'Flaherty, J., Shalloo, L., 2017. Associations between paratuberculosis ELISA results and test-day records of cows enrolled in the Irish Johne's Disease Control Program. *Journal of Dairy Science* 100, 7468-7477.
- Brangan, P., Bailey, D., Larkin, J., Myers, T., More, S.J., 2008. Management of the national programme to eradicate equine infectious anaemia from Ireland during 2006. *Equine Veterinary Journal* 40, 702-704.
- Brotherstone, S., White, I.M.S., Coffey, M., Downs, S.H., Mitchell, A.H., Clifton-Hadley, R.S., More, S.J., Good, M., Woolliams, J.A., 2010. Evidence of genetic resistance of cattle to infection with *Mycobacterium bovis*. *Journal of Dairy Science* 93, 1234-1242.
- Byrne, A.W., Acevedo, P., Green, S., O'Keeffe, J., 2014. Estimating badger social-group abundance in the Republic of Ireland using cross-validated species distribution modelling. *Ecological Indicators* 43, 94-102.
- Byrne, A.W., Do Linh San, E., 2016. A cautionary note on the use of Minimum Number Alive-Derived Trappability Metrics in wildlife programmes, as exemplified by the case of the European Badger (*Meles meles*). *Wildlife Biology in Practice* 12, 51-57.
- Byrne, A.W., Fogarty, U., O'Keeffe, J., Newman, C., 2015. In-situ adaptive response to climate and habitat quality variation: spatial and temporal variation in European badger (*Meles meles*) body-weight. *Global Change Biology* 21, 3336-3346.
- Byrne, A.W., Kenny, K., Fogarty, U., O'Keeffe, J.J., More, S.J., McGrath, G., Teeling, M., Martin, S.W., Dohoo, I.R., 2015. Spatial and temporal analysis of metrics of tuberculosis infection in badgers (*Meles meles*) from the Republic of Ireland: trends in apparent prevalence. *Preventive Veterinary Medicine* 122, 345-354.
- Byrne, A.W., O'Keeffe, J., Buesching, C.D., Newman, C., 2018. Push and pull factors driving movement in a social mammal: context dependent behavioral plasticity at the landscape scale. *Current Zoology* (in press).
- Byrne, A.W., O'Keeffe, J., Fogarty, U., Rooney, P., Martin, S.W., 2015. Monitoring trap-related injury status during large-scale wildlife management programmes: an adaptive management approach. *European Journal of Wildlife Research* 61, 445-455.
- *** Byrne, A.W., O'Keeffe, J., Green, S., Sleeman, D.P., Corner, L.A.L., Gormley, E., Murphy, D., Martin, S.W., Davenport, J., 2012. Population estimation and trappability of the European badger (*Meles meles*): implications for tuberculosis management. *PLoS One* 7, e50807.
- *** Byrne, A.W., O'Keeffe, J., Sleeman, D.P., Davenport, J., Martin, S.W., 2013. Factors affecting European badger (*Meles meles*) capture numbers in one county in Ireland. *Preventive Veterinary Medicine* 109, 128-135.
- *** Byrne, A.W., O'Keeffe, J., Sleeman, D.P., Davenport, J., Martin, S.W., 2013. Impact of culling on relative abundance of the European badger (*Meles meles*) in Ireland. *European Journal of Wildlife Research* 59, 25-37.

CVERA Board of management

* **The TB Diagnostics and Immunology Research Centre and The Badger Vaccine Project**

** **DAFM Veterinary Laboratory Service**

*** **UCC School of Biological, Earth and Environmental Sciences**

**** **The School of Natural Sciences, Trinity College Dublin**

Byrne, A.W., Quinn, J.L., O'Keeffe, J.J., Green, S., Sleeman, D.P., Martin, S.W., Davenport, J., 2014. Large-scale movements in European badgers: has the tail of the movement kernel been underestimated? *Journal of Animal Ecology* 83, 991-1001.

*** Byrne, A.W., Sleeman, D.P., O'Keeffe, J., Davenport, J., 2012. The ecology of the Eurasian badger (*Meles meles*) in Ireland: a review. *Biology and Environment: Proceedings of the Royal Irish Academy* 112B, 105-132.

Byrne, A.W., White, P.W., McGrath, G., O'Keeffe, J., Martin, S.W., 2014. Risk of tuberculosis cattle herd breakdowns in Ireland: effects of badger culling effort, density and historic large-scale interventions. *Veterinary Research* 45, 109.

Canty, M.J., Fogarty, U., Sheridan, M.K., Ensley, S., Schrunk, D.E., More, S.J., 2014. Ergot alkaloid intoxication in perennial ryegrass (*Lolium perenne*): an emerging animal health concern in Ireland? *Irish Veterinary Journal* 67, 21.

Canty, M.J., McCormack, S., Lane, E.A., Collins, D.M., More, S.J., 2011. Essential elements and heavy metal concentrations in a small area of the Castlecomer Plateau, Co. Kilkenny, Ireland: Implications for animal performance. *Irish Journal of Agricultural and Food Research* 50, 223-238.

Canty, M.J., Scanlon, A., Collins, D.M., McGrath, G., Clegg, T.A., Lane, E., Sheridan, M.K., More, S.J., 2014. Cadmium and other heavy metal concentrations in bovine kidneys in the Republic of Ireland. *Science of the Total Environment* 485/486, 223-231.

* Casey, M.E., Meade, K.G., Nalpas, N.C., Taraktsoglou, M., Browne, J.A., Killeck, K.E., Park, S.D.E., Gormley, E., Hokamp, K., Magee, D.A., MacHugh, D.E., 2015. Analysis of the bovine monocyte-derived macrophage response to *Mycobacterium avium* subspecies *paratuberculosis* infection using RNA-seq. *Frontiers in Immunology* 6, 23.

Cashman, W., Buckley, J., Quigley T., Fanning, S., More, S., Egan, J., Berry, D., Grant, I., O'Farrell, K., 2008. Risk factors for introduction and within-herd transmission of *Mycobacterium avium* subspecies *paratuberculosis* (MAP) infection on 59 Irish dairy herds. *Irish Veterinary Journal* 61, 464-467.

* Chambers, M.A., Aldwell, F., Williams, G.A., Palmer, S., Gowtage, S., Ashford, R., Dalley, D.J., Davé, D., Weyer, U., Salguero, F.J., Nunez, A., Nadian, A.K., Crawshaw, T., Corner, L.A., Lesellier, S., 2017. The effect of oral vaccination with *Mycobacterium bovis* BCG on the development of tuberculosis in captive European badgers (*Meles meles*). *Frontiers in Cellular and Infection Microbiology* 7, 6.

* Chambers, M.A., Gormley, E., Corner, L.A.L., Smith, G.C., Delahay, R.J., 2015. Tuberculosis in badgers (*Meles meles*). In *Tuberculosis, leprosy and mycobacterial diseases of man and animals: the many hosts of mycobacteria*, 296-312, 1st edition, Mukundan, H., Chambers, M., Waters, R., Larsen, M.H. (editors), CABI International, Oxfordshire, United Kingdom.

* Chambers, M.A., Rogers, F., Delahay, R.J., Lesellier, S., Ashford, R., Dalley, D., Gowtage, S., Davé, D., Palmer, S., Brewer, J., Crawshaw, T., Clifton-Hadley, R., Carter, S., Cheeseman, C., Hanks, C., Murray, A., Palphramand, K., Pietravalle, S., Smith, G.C., Tomlinson, A., Walker, N.J., Wilson, G.J., Corner, L.A.L., Rushton, S.P., Shirley, M.D.F., Gettinby, G., McDonald, R.A., Hewinson, R.G., 2011. Bacillus Calmette-Guérin vaccination reduces the severity and progression of tuberculosis in badgers. *Proceedings of the Royal Society B* 278, 1913-1920.

CVERA Board of management

* **The TB Diagnostics and Immunology Research Centre and The Badger Vaccine Project**

** **DAFM Veterinary Laboratory Service**

*** **UCC School of Biological, Earth and Environmental Sciences**

**** **The School of Natural Sciences, Trinity College Dublin**

Chapwanya, A., Clegg, T., Stanley, P., Vaughan, L., 2008. Comparison of the Immulite and RIA assay methods for measuring peripheral blood progesterone levels in Greyhound bitches. *Theriogenology* 70, 795–799.

Cho, D., Nam, H., Kim, J., Heo, E., Cho, Y., Hwang, I., Kim, J., Kim, J., Jung, S., More, S., 2010. Quantitative Rose Bengal test for diagnosis of bovine brucellosis. *Journal of Immunoassay and Immunochemistry* 31,120-130.

**** Cleary, G.P., Corner, L.A.L., O’Keeffe, J., Marples, N.M., 2009. The diet of the badger *Meles meles* in the Republic of Ireland. *Mammalian Biology* 74, 438-447.

**** Cleary, G.P., Corner, L.A.L., O’Keeffe, J., Marples, N.M., 2011. Diet of the European badger (*Meles meles*) in the Republic of Ireland: A comparison of results from an analysis of stomach contents and rectal faeces. *Mammalian Biology* 76, 470-475.

Clegg, T.A., Blake, M., Healy, R., Good, M., Higgins, I.M., More, S.J., 2013. The impact of animal introductions during herd restrictions on future herd-level bovine tuberculosis risk. *Preventive Veterinary Medicine* 109, 246-257.

Clegg, T.A., Duignan, A., More, S.J., 2015. The relative effectiveness of testers during field surveillance for bovine tuberculosis in unrestricted low-risk herds in Ireland. *Preventive Veterinary Medicine* 119, 85-89.

Clegg, T., Duignan, A., Whelan, C., Gormley, E., Good, M., Clarke, J., Toft, N., More, S.J., 2011. Using latent class analysis to estimate the test characteristics of the interferon- γ test, the single intradermal comparative tuberculin test and a multiplex immunoassay under Irish conditions. *Veterinary Microbiology* 151, 68-76.

Clegg, T.A., Good, M., Duignan, A., Doyle, R., Blake, M., More, S.J., 2011. Longer-term risk of *Mycobacterium bovis* in Irish cattle following an inconclusive diagnosis to the single intradermal comparative tuberculin test. *Preventive Veterinary Medicine* 100, 147-154.

Clegg, T.A., Good, M., Duignan, A., Doyle, R., More, S.J., 2011. Shorter-term risk of *Mycobacterium bovis* in Irish cattle following an inconclusive diagnosis to the single intradermal comparative tuberculin test. *Preventive Veterinary Medicine* 102, 255-264.

Clegg, T.A., Good, M., Doyle, M., Duignan, A., More, S.J., Gormley, E., 2017. The performance of the interferon gamma assay when used as a diagnostic or quality assurance test in *Mycobacterium bovis* infected herds. *Preventive Veterinary Medicine* 140, 116-121.

Clegg, T.A., Good, M., Hayes, M., Duignan, A., McGrath, G., More, S.J., 2018. Trends and predictors of large tuberculosis episodes in cattle herds in Ireland. *Frontiers in Veterinary Science* 5, 86.

Clegg, T.A., Good, M., More, S.J., 2015. Future risk of bovine tuberculosis recurrence among higher risk herds in Ireland. *Preventive Veterinary Medicine* 118, 71-79.

Clegg, T.A., Good, M., More, S.J., 2016. Risk factors for cattle presenting with a confirmed bTB lesion at slaughter, from herds with no evidence of within-herd transmission. *Preventive Veterinary Medicine* 126, 111-120.

Clegg, T.A., Graham, D.A., O’Sullivan, P., McGrath, G., More, S.J., 2016. Temporal trends in the retention of BVD+ calves and associated animal and herd-level risk factors during the compulsory eradication programme in Ireland. *Preventive Veterinary Medicine* 134, 128-138.

CVERA Board of management

* **The TB Diagnostics and Immunology Research Centre and The Badger Vaccine Project**

** **DAFM Veterinary Laboratory Service**

*** **UCC School of Biological, Earth and Environmental Sciences**

**** **The School of Natural Sciences, Trinity College Dublin**

- Clegg, T.A., More, S.J., Higgins, I.M., Good, M., Blake, M., Williams, D.H., 2008. Potential infection-control benefit for Ireland from pre-movement testing of cattle for tuberculosis. *Preventive Veterinary Medicine* 84, 94-111.
- Clegg, T.A., Morrissey, T., Geoghegan, F., Martin, S.W., Lyons, K., Ashe, S., More, S.J., 2014. Risk factors associated with increased mortality of farmed Pacific oysters in Ireland during 2011. *Preventive Veterinary Medicine* 113, 257-267.
- Collins, D.M., de Lisle, G.W., Collins, J.D., Costello, E., 1994. DNA restriction fragment typing of *Mycobacterium bovis* isolates from cattle and badgers in Ireland. *Veterinary Record* 134, 681-682.
- Collins, J., Hanlon, A., More, S.J., Duggan, V., 2008. The structure and regulation of the Irish equine industry: links to consideration of equine welfare. *Irish Veterinary Journal* 61, 746-756.
- Collins, J., Hanlon, A., More, S.J., Wall, P.G., Duggan, V., 2009. Policy Delphi with vignette methodology as a tool to evaluate the perception of equine welfare. *The Veterinary Journal* 181, 63-69.
- Collins, J.A., Hanlon, A., More, S.J., Wall, P.G., Duggan, V., 2011. Aspects of the owning/keeping and disposal of horses, and how these relate to equine health/welfare in Ireland. *Irish Veterinary Journal* 64, 11.
- Collins, J., Hanlon, A., More, S.J., Wall, P., Kennedy, J., Duggan, V., 2010. Evaluation of current equine welfare issues in Ireland: causes, desirability, feasibility and means of raising standards. *Equine Veterinary Journal* 42, 105-113.
- Collins, J., More, S.J., Hanlon, A., Duggan, V., 2010. Case study of equine welfare on an Irish farm: 2007-2009. *Veterinary Record* 167, 90-95.
- Collins, J.A., More, S.J., Hanlon, A., Wall, P.G., McKenzie, K., Duggan, V., 2012. Use of qualitative methods to identify solutions to selected equine welfare problems in Ireland. *Veterinary Record* 170, 442.
- Collins, J.D., 1999. Tuberculosis in cattle: interpretation and application of tuberculin test and post-mortem data. *UK Vet* 5, 40-44.
- Collins, J.D., 1999. Tuberculosis in cattle: reducing the risk of herd exposure. *UK Vet* 5, 35-39.
- Collins, J.D., 2001. Tuberculosis in cattle: new perspectives. *Tuberculosis* 81, 17-21.
- Collins, J.D., 2006. Tuberculosis in cattle: strategic planning for the future. *Veterinary Microbiology* 112, 369-381.
- Collins, J.D., Wall, P.G., 2004. Food safety and animal production systems: controlling zoonoses at farm level. *Revue scientifique et technique de l'Office international des épizooties* 23, 685-700.
- Connolly, D.J., Dwyer, P.J., Fagan, J., Hayes, M., Ryan, E.G., Costello, E., Kilroy, A., More, S.J., 2008. Tuberculosis in alpaca (*Lama pacos*) in Ireland. 2. Results of an epidemiological investigation. *Irish Veterinary Journal* 61, 533-537.
- * Corner, L.A., 2006. The role of wild animal populations in the epidemiology of tuberculosis in domestic animals: how to assess the risk. *Veterinary Microbiology* 112, 303-312.

CVERA Board of management

* **The TB Diagnostics and Immunology Research Centre and The Badger Vaccine Project**

** **DAFM Veterinary Laboratory Service**

*** **UCC School of Biological, Earth and Environmental Sciences**

**** **The School of Natural Sciences, Trinity College Dublin**

- * Corner, L.A., Costello, E., Lesellier, S., O'Meara, D., Gormley, E., 2008. Experimental tuberculosis in the European badger (*Meles meles*) after endobronchial inoculation with *Mycobacterium bovis*: II. Progression of infection. *Research in Veterinary Science* 85, 481-490.
- * Corner, L.A., Costello, E., Lesellier, S., O'Meara, D., Gormley, E., 2008. Vaccination of European badgers (*Meles meles*) with BCG by the subcutaneous and mucosal routes induces protective immunity against endobronchial challenge with *Mycobacterium bovis*. *Tuberculosis* 88, 601-609.
- * Corner, L.A., Costello, E., Lesellier, S., O'Meara, D., Sleeman, D.P., Gormley, E., 2007. Experimental tuberculosis in the European badger (*Meles meles*) after endobronchial inoculation of *Mycobacterium bovis*: I. Pathology and bacteriology. *Research in Veterinary Science* 83, 53-62.
- * Corner, L.A.L., Costello, E., O'Meara, D., Lesellier, S., Aldwell, F.E., Singh, M., Hewinson, R.G., Chambers, M.A., Gormley, E., 2010. Oral vaccination of badgers (*Meles meles*) with BCG and protective immunity against endobronchial challenge with *Mycobacterium bovis*. *Vaccine* 28, 6265-6272.
- * Corner, L.A.L., Murphy, D., Gormley, E., 2011. *Mycobacterium bovis* infection in the Eurasian badger (*Meles meles*): the disease, pathogenesis, epidemiology and control. *Journal of Comparative Pathology* 144, 1-24.
- * Corner, L.A., Pfeiffer, D.U., Abbott, K.A., 2004. The respiratory tract as a hypothetical route of infection of cattle with *Mycobacterium avium* subspecies *paratuberculosis*. *Australian Veterinary Journal* 82, 170-173.
- * Corner L.A.L., Gormley, E., 2012. Mycobacterial infections in multiple species: Implications for diagnosis and control. *The Veterinary Journal* 191, 141-142.
- * Corner, L.A.L., Gormley, E., Pfeiffer, D.U., 2012. Primary isolation of *Mycobacterium bovis* from bovine tissues: conditions for maximising the number of positive cultures. *Veterinary Microbiology* 156, 162-171.
- * Corner, L.A.L., Clegg, T.A., More, S.J., Williams, D.H., O'Boyle, I., Costello, E., Sleeman, D.P., Griffin, J.M., 2008. The effect of varying levels of population control on the prevalence of tuberculosis in badgers in Ireland. *Research in Veterinary Science* 85, 238-249.
- * Corner, L.A.L., Murphy, D., Costello, E., Gormley, E., 2009. Tuberculosis in European badgers (*Meles meles*) and the control of infection with Bacille Calmette-Guérin vaccination. *Journal of Wildlife Diseases* 45, 1042-1047.
- * Corner, L.A.L., O'Meara, D., Costello, E., Lesellier, S., Gormley, E., 2012. The distribution of *Mycobacterium bovis* infection in naturally infected badgers. *The Veterinary Journal* 194, 166-172.
- ** Costello, E., Flynn, O., Quigley, F., O'Grady, D., Griffin, J., Clegg, T., McGrath, G., 2006. Genotyping of *Mycobacterium bovis* isolates from badgers in four areas of the Republic of Ireland by restriction fragment length polymorphism analysis. *Veterinary Record* 159, 619-623.
- * Corner, L.A., Stuart, L.J., Kelly, D.J., Marples N.M., 2015. Reproductive biology including evidence for superfetation in the European badger *Meles meles* (Carnivora: Mustelidae). *PLoS One* 10, e0138093.

CVERA Board of management

* **The TB Diagnostics and Immunology Research Centre and The Badger Vaccine Project**

** **DAFM Veterinary Laboratory Service**

*** **UCC School of Biological, Earth and Environmental Sciences**

**** **The School of Natural Sciences, Trinity College Dublin**

** Costello, E., O'Grady, D., Flynn, O., O'Brien, R., Rogers, M., Quigley, F., Egan, J., Griffin, J., 1999. Study of restriction fragment length polymorphism analysis and spoligotyping for epidemiological investigation of *Mycobacterium bovis* infection. *Journal of Clinical Microbiology* 37, 3217-3222.

** Costello, E., O'Reilly, P.F., Yearsley, D.K., O'Grady, D.P., O'Reilly, L.M., Collins, J.D., Monaghan, M.L., Bassett, H.F., 1997. A study of an enzyme-linked immunosorbent assay for the diagnosis of tuberculosis in cattle. *Irish Veterinary Journal* 50, 35-38.

** Costello, E., Quigley, F., Flynn, O., Gogarth, A., McGuirk, J., Murphy, A., Dolan, L., 1998. Laboratory examination of suspected tuberculous lesions detected on abattoir post mortem examination of cattle from non-reactor herds. *Irish Veterinary Journal* 51, 248-250.

Cowley, D.J.B., Clegg, T.A., Doherty, M.L., More, S.J., 2011. Aspects of bovine herpesvirus-1 infection in dairy and beef herds in the Republic of Ireland. *Acta Veterinaria Scandinavica* 53, 40.

Cowley, D.J.B., Clegg, T.A., Doherty, M.L., More, S.J., 2012. Bovine viral diarrhoea virus seroprevalence and vaccination usage in dairy and beef herds in the Republic of Ireland. *Irish Veterinary Journal* 65, 16.

Cowley, D.J.B., Graham, D.A., Guelbenzu, M., Doherty, M.L., More, S.J., 2014. Aspects of bovine herpesvirus 1 and bovine viral diarrhoea virus herd-level seroprevalence and vaccination in dairy and beef herds in Northern Ireland. *Irish Veterinary Journal* 67, 18.

Crowe, O., Wilson, J., Aznar, I. More, S.J., 2009. A review of Ireland's waterbirds, with emphasis on wintering migrants and reference to H5N1 avian influenza. *Irish Veterinary Journal* 62, 800-811.

Cullinane, M., O'Sullivan, E., Collins, D.M., Byrne, A.W., More, S.J., 2015. Horse impoundments under Control of Horses legislation in the Munster region of Ireland: factors affecting euthanasia. *Veterinary Record* 176, 100.

Cullinane, M., O'Sullivan, E., Collins, G., Collins, D.M., More, S.J., 2010. A review of bovine cases consigned under veterinary certification to emergency and casualty slaughter in Ireland during 2006 to 2008. *Irish Veterinary Journal* 63, 568-577.

Cullinane, M., O'Sullivan, E., Collins, G., Collins, D.M., More, S.J., 2012. Veterinary certificates for emergency or casualty slaughter bovine animals in the Republic of Ireland: are the welfare needs of certified animals adequately protected? *Animal Welfare* 21, 61-67.

* Davison, K.E., Hughes, L.J., Gormley, E., Lesellier, S., Costello, E., Corner, L.A., 2007. Evaluation of the anaesthetic effects of combinations of ketamine, medetomidine, romifidine and butorphanol in European badgers (*Meles meles*). *Veterinary Anaesthesia and Analgesia* 34, 394-402.

De Waele, V., Van den Broeck, F., Huyse, T., McGrath, G., Higgins, I., Speybroeck, N., Berzano, M., Raleigh, P., Mulcahy, G., Murphy, T., 2013. Panmictic structure of the *Cryptosporidium parvum* population in Irish calves: Influence of prevalence and host movement. *Applied and Environmental Microbiology* 79, 2534-2541.

Devitt, C., Kelly, P., Blake, M., Hanlon, A., More, S.J., 2013. Veterinarian challenges to providing a multi-agency response to farm animal welfare problems in Ireland: responding to the human factor. *Revue scientifique et technique / Office international des épizooties (OIE Scientific and Technical Review)* 32, 657-668.

CVERA Board of management

* **The TB Diagnostics and Immunology Research Centre and The Badger Vaccine Project**

** **DAFM Veterinary Laboratory Service**

*** **UCC School of Biological, Earth and Environmental Sciences**

**** **The School of Natural Sciences, Trinity College Dublin**

- Devitt, C., Kelly, P., Blake, M., Hanlon, A., More, S.J., 2014. Dilemmas experienced by government veterinarians when responding professionally to farm animal welfare incidents in Ireland. *Veterinary Record Open* 1, E000003.
- Devitt, C., Kelly, P., Blake, M., Hanlon, A., More, S.J., 2015. An investigation into the human element of on-farm animal welfare incidents in Ireland. *Sociologia Ruralis* 55, 400-416.
- Devitt, C., Kelly, P., Blake, M., Hanlon, A., More, S.J., 2016. Conducting sensitive social science research about on-farm animal welfare incidents: challenges and approaches. *Animal Welfare* 25, 319-323.
- Devitt, C., McKenzie, K., More, S.J., Heanue, K., McCoy, F., 2013. Opportunities and constraints to improving milk quality in Ireland: enabling change through collective action. *Journal of Dairy Science* 96, 2661-2670.
- Doherty, N., More, S.J., Somers, J., 2014. Risk factors for lameness on 10 dairy farms in Ireland. *Veterinary Record* 174, 609.
- Doherty, M., More, S.J., Mee, J., 2014. Significant milestone for the Irish Veterinary Journal. *Irish Veterinary Journal* 67, 23.
- Dolan, L. A., Lynch, K., 1992. Badgers and bovine tuberculosis. *Irish Veterinary Journal* 45, 133-135.
- Doran, P., Carson, J., Costello, E., More, S.J., 2009. An outbreak of tuberculosis affecting cattle and people on an Irish dairy farm in 2005, following the consumption of raw milk from a cow with tuberculous mastitis. *Irish Veterinary Journal* 62, 390-397.
- Downes, M., Canty, M.J., More, S.J., 2009. Demography of the pet dog and cat population on the island of Ireland and human factors influencing pet ownership. *Preventive Veterinary Medicine* 92, 140-149.
- Downes, M.J., Clegg, T.A., Collins, D.M., McGrath, G., More, S.J., 2011. The spatial distribution of pet dogs and pet cats on the island of Ireland. *BMC Veterinary Research* 7, 28.
- Downes, M.J., Devitt, C., Downes, M.T., More, S.J., 2015. Neutering of cats and dogs in Ireland; pet owner self-reported perceptions of enabling and disabling factors in the decision to neuter. *PeerJ* 3, e1196.
- Downes, M.J., Devitt, C., Downes, M.T., More, S.J., 2017. Understanding the context for pet cat and dog feeding and exercising behaviour among pet owners in Ireland: a qualitative study. *Irish Veterinary Journal* 70, 29.
- Downes, M.J., Roy, A., McGinn, T.G., Wisnivesky, J.P., 2010. Factors associated with furry pet ownership among patients with asthma. *Journal of Asthma* 47, 742-749.
- Downs, S.H., Parry, J.E., Upton, P.A., Broughan, J.M., Goodchild, A.V., Nuñez-García, J., Greiner, M., Abernethy, D.A., Cameron, A.R., Cook, A.J., de la Rúa-Domenech, R., Gunn, J., Pritchard, E., Rhodes, S., Rolfe, S., Sharp, M., Vordermeier, H.M., Watson, E., Welsh, M., Whelan, A.O., Woolliams, J.A., More, S.J., Clifton-Hadley, R.S., 2018. Methodology and preliminary results of a systematic literature review of ante-mortem and post-mortem diagnostic tests for bovine tuberculosis. *Preventive Veterinary Medicine* 153, 117-126.

CVERA Board of management

* **The TB Diagnostics and Immunology Research Centre and The Badger Vaccine Project**

** **DAFM Veterinary Laboratory Service**

*** **UCC School of Biological, Earth and Environmental Sciences**

**** **The School of Natural Sciences, Trinity College Dublin**

Downs, S.H., More, S.J., Goodchild, A.V., Whelan, A.O., Abernethy, D.A., Broughan, J.M., Cameron, A., Cook, A.J., de la Rua-Domenech, R., Greiner, M., Gunn, J., Nuñez-García, J., Rhodes, S., Rolfe, S., Sharp, M., Upton, P., Watson, E., Welsh, M., Woolliams, J.A., Clifton-Hadley, R.S., Parry, J.E., 2018. Evaluation of the methodological quality of studies of the performance of diagnostic tests for bovine tuberculosis using QUADAS. *Preventive Veterinary Medicine* 153, 108-116.

Doyle, R., Clegg, T.A., McGrath, G., Tratalos, J., Barrett, D., Lee, A., More, S.J., 2018. The bovine tuberculosis cluster in north County Sligo during 2014-16. *Irish Veterinary Journal* 71, 24.

Duignan, A., Good, M., More, S.J., 2012. Quality control in the national bovine tuberculosis control programme in Ireland. *Revue scientifique et technique / Office international des épizooties (OIE Scientific and Technical Review)* 31, 845-860.

Dwane, A.M., More, S.J., Blake, M., McKenzie, K., Hanlon, A.J., 2013. Farmers' self-reported perceptions and behavioural impacts of a welfare scheme for suckler beef cattle in Ireland. *Irish Veterinary Journal* 66, 1.

** Egan, J., Leonard, N., Griffin, J., Hanlon, A., Poole, D., 2001. A survey of some factors relevant to animal welfare on 249 dairy farms in the Republic of Ireland Part1: Data on housing, calving and calf husbandry. *Irish Veterinary Journal* 54, 388-392.

Eves, J.A., 1999. Impact of badger removal on bovine tuberculosis in east County Offaly. *Irish Veterinary Journal* 52, 199-203.

* Fend, R., Geddes, R., Lesellier, S., Vordermeier, H.M., Corner, L.A.L., Gormley, E., Costello, E., Hewinson, R.G., Marlin, D.J., Woodman, A.C., Chambers, M.A., 2005. Use of an electronic nose to diagnose *Mycobacterium bovis* infection in badgers and cattle. *Journal of Clinical Microbiology* 43, 1745-1751.

Fenlon, C., O'Grady, L., McCoy, F., Houtsma, E., More, S.J., 2017. The impact of removal of the seasonality formula on the eligibility of Irish herds to supply raw milk for processing of dairy products. *Irish Veterinary Journal* 70, 9.

* Finlay, E.K., Berry, D.P., Wickham, B., Gormley, E., Bradley, D.G., 2012. A genome wide association scan of bovine tuberculosis susceptibility in Holstein-Friesian dairy cattle. *PLoS One* 7, e30545.

Fish, R., Church, A., Willis, C., Winter, M., Tratalos, J.A., Haines-Young, R., Potschin, M., 2016. Making space for cultural ecosystem services: Insights from a study of the UK nature improvement initiative. *Ecosystem Services* 21, Part B, 329-343.

Flanagan, P.A., Kelly, G., 1996. A study of tuberculosis breakdowns in herds in which some purchased animals were identified as reactors. *Irish Veterinary Journal* 49, 704-706.

** Flynn, O., Gallagher, C., Mooney, J., Irvine, C., Ducatez, M., Hause, B., McGrath, G., Ryan, E., 2018. Influenza D Virus in cattle, Ireland. *Emerging Infectious Diseases*, 24, 389-391.

Frankena, K., White, P.W., O'Keeffe, J., Costello, E., Martin, S.W., van Grevenhof, I., More, S.J., 2007. Quantification of the relative efficiency of factory surveillance in the disclosure of tuberculosis lesions in attested Irish cattle. *Veterinary Record* 161, 679-684.

CVERA Board of management

* **The TB Diagnostics and Immunology Research Centre and The Badger Vaccine Project**

** **DAFM Veterinary Laboratory Service**

*** **UCC School of Biological, Earth and Environmental Sciences**

**** **The School of Natural Sciences, Trinity College Dublin**

* Furphy, C., Costello, E., Murphy, D., Corner, L.A., Gormley, E., 2012. DNA typing of *Mycobacterium bovis* isolates from badgers (*Meles meles*) culled from areas in Ireland with different levels of tuberculosis prevalence. *Veterinary Medicine International* 2012, 742478.

Gallagher, M.J., Higgins, I.M., Clegg, T.A., Williams, D.H., More, S.J., 2013. Comparison of bovine tuberculosis recurrence in Irish herds between 1998 and 2008. *Preventive Veterinary Medicine* 111, 237-244.

Georgiev, M., Afonso, A., Neubauer, H., Needham, H., Thiéry, R., Rodolakis, A., Roest, H.J., Stärk, K.D., Stegeman, J.A., Vellema, P., van der Hoek, W., More, S.J., 2013. Q fever in humans and farm animals in four European countries, 1982 to 2010. *Eurosurveillance* 18, 20407.

Geraghty, T., Graham, D.A., Mullaney, P., More, S.J., 2014. A review of bovine Johne's disease control activities in 6 endemically infected countries. *Preventive Veterinary Medicine* 116, 1-11.

Geraghty, T., O'Neill, R., More, S.J., O'Grady, L., 2012. Dynamics of individual animal Bovine Herpes Virus-1 antibody status on 9 commercial dairy herds. *Research in Veterinary Science* 93, 143-149.

* Gil, O., Díaz, I., Vilaplana, C., Tapia, G., Díaz, J., Fort, M., Cáceres, N., Pinto, S., Caylà, J., Corner, L., Domingo, M., Cardona, P.-J., 2010. Granuloma encapsulation is a key factor for containing tuberculosis infection in minipigs. *PLoS One* 5, e10030.

Glanville, R., Firestone, S.M., More, S.J., 2015. Biosecurity. In *Encyclopedia of Global Bioethics*, 1st edition, ten Have, H., (editor), Springer International Publishing, Netherlands.

Good, M., Bakker, D., Duignan, A., Collins, D.M., 2018. The history of *in vivo* tuberculin testing in bovines: tuberculosis a "One Health" issue. *Frontiers in Veterinary Science* 5, 59.

Good, M., Clegg, T.A., Costello, E., More, S.J., 2011. The comparative performance of the single intradermal test and the single intradermal comparative tuberculin test in Irish cattle, using tuberculin PPD combinations of differing potencies. *The Veterinary Journal* 190, e60-e65.

Good, M., Clegg, T.A., Duignan, A., More, S.J., 2011. Impact of the national full herd depopulation policy on the recurrence of bovine tuberculosis in Irish herds, 2003 to 2005. *Veterinary Record* 169, 581.

Good, M., Clegg, T.A., Murphy, F., More, S.J., 2011. The comparative performance of the single intradermal comparative tuberculin test in Irish cattle, using tuberculin PPD combinations from different manufacturers. *Veterinary Microbiology* 151, 77-84.

Good, M., Clegg, T., Sheridan, H., Yearsely, D., O'Brien, T., Egan, J., Mullaney, P., 2009. Prevalence and distribution of paratuberculosis (Johne's disease) in cattle herds in Ireland. *Irish Veterinary Journal* 62, 597-606.

Good, M., Duignan, A., 2011. An evaluation of the Irish Single Reactor Breakdown Protocol for 2005 to 2008 inclusive and its potential application as a monitor of tuberculin test performance. *Veterinary Microbiology* 151, 85-90.

Good, M., Duignan, A., 2011. Perspectives on the history of bovine TB and the role of tuberculin in bovine TB eradication. *Veterinary Medicine International*, article ID 410470.

CVERA Board of management

* **The TB Diagnostics and Immunology Research Centre and The Badger Vaccine Project**

** **DAFM Veterinary Laboratory Service**

*** **UCC School of Biological, Earth and Environmental Sciences**

**** **The School of Natural Sciences, Trinity College Dublin**

- * Gormley, E., 2007. Diagnosis of *Mycobacterium bovis* infection in cattle. *Bulletin of the International Dairy Federation: International Dairy Federation. Animal Health: Management and Control of infectious and Production Diseases* 416, 101-109.
- * Gormley, E., Corner, L., 2009. Control of TB in wildlife by oral BCG vaccination. *Expert Review of Vaccines* 8, 1339-1342.
- * Gormley, E., Corner, L.A.L., 2011. Control of tuberculosis in badgers by vaccination: Where next? *The Veterinary Journal* 189, 239-241.
- * Gormley, E., Corner, L.A.L., 2013. Control strategies for wildlife tuberculosis in Ireland. *Transboundary and Emerging Diseases* 60, S1, 128-135.
- * Gormley, E., Corner, L.A.L., 2018. Pathogenesis of *Mycobacterium bovis* infection: the badger model as a paradigm for understanding tuberculosis in animals. *Frontiers in Veterinary Science* 4, 247.
- * Gormley, E., Costello, E., 2003. Tuberculosis and badgers: New approaches to diagnosis and control. *Journal of Applied Microbiology* 94, 80-86.
- * Gormley, E., Collins, J.D., 2000. The development of wildlife control strategies for eradication of tuberculosis in cattle in Ireland. *Tubercle and Lung Disease* 80, 229-236.
- * Gormley, E., Corner, L.A.L., Costello, E., Rodriguez-Campos, S., 2014. Bacteriological diagnosis and molecular strain typing of *Mycobacterium bovis* and *Mycobacterium caprae*. *Research in Veterinary Science* 97, S30-S43.
- * Gormley, E., Doyle, M., Duignan, A., Good, M., More, S.J., Clegg, T., 2013. Identification of risk factors associated with disclosure of false positive bovine tuberculosis reactors using the gamma-interferon (IFN γ) assay. *Veterinary Research* 44, 117.
- * Gormley, E., Doyle, M.B., Fitzsimons, T., McGill, K., Collins, J.D., 2006. Diagnosis of *Mycobacterium bovis* infection in cattle by use of the gamma-interferon (Bovigam®) assay. *Veterinary Microbiology* 112, 171-179.
- * Gormley, E., Doyle, M.B., McGill, K., Costello, E., Good, M., Collins, J.D., 2004. The effect of the tuberculin test and the consequences of a delay in blood culture on the sensitivity of a gamma-interferon assay for the detection of *Mycobacterium bovis* infection in cattle. *Veterinary Immunology and Immunopathology* 102, 413-420.
- Gormley, E., Ní Bhuachalla, D., O'Keefe, J., Murphy, D., Aldwell, F.E., Fitzsimons, T., Stanley, P., Tratalos, J.A., McGrath, G., Fogarty, N., Kenny, K., More, S.J., Messam, L.McV., Corner, L.A.L., 2017. Oral vaccination of free-living badgers (*Meles meles*) with bacille Calmette Guérin (BCG) vaccine confers protection against tuberculosis. *PLoS One* 12, e0168851.
- Graham, D.A., Clegg, T.A., Lynch, M., More, S.J., 2013. Herd-level factors associated with the presence of bovine viral diarrhoea virus in herds participating in the voluntary phase of the Irish national eradication programme. *Preventive Veterinary Medicine* 112, 99-108.
- Graham, D.A., Clegg, T.A., O'Sullivan, P., More, S.J., 2015. Survival time of calves with positive BVD virus results born during the voluntary phase of the Irish eradication programme. *Preventive Veterinary Medicine* 119, 123-133.
- Graham, D.A., Clegg, T.A., O'Sullivan, P., More, S.J., 2015b. Influence of the retention of PI calves identified in 2012 during the voluntary phase of the Irish national bovine viral diarrhoea

CVERA Board of management

* **The TB Diagnostics and Immunology Research Centre and The Badger Vaccine Project**

** **DAFM Veterinary Laboratory Service**

*** **UCC School of Biological, Earth and Environmental Sciences**

**** **The School of Natural Sciences, Trinity College Dublin**

virus (BVDV) eradication programme on herd-level outcomes in 2013. *Preventive Veterinary Medicine* 120, 298-305.

Graham, D.A., Clegg, T.A., Thulke, H.-H., O'Sullivan, P., McGrath, G., More, S.J., 2016. Quantifying the risk of spread of bovine viral diarrhoea virus (BVDV) between contiguous herds in Ireland. *Preventive Veterinary Medicine* 126, 30-38.

Grange, J.M., Collins, J.D., O'Reilly, L.M., Costello, E., Yates, M.D., 1990. Identification and characterisation of *Mycobacterium bovis* isolated from cattle, badgers and deer in the Republic of Ireland. *Irish Veterinary Journal* 43, 33-35.

Griffin, J.M., Dolan, L.A., 1995. The role of cattle-to-cattle transmission of *Mycobacterium bovis* in the epidemiology of tuberculosis in cattle in the Republic of Ireland: A review. *Irish Veterinary Journal* 48, 228-234.

Griffin, J.M., Haheisy, T., Lynch, K., Salman, M.D., McCarthy, J., Hurley, T., 1993. The association of cattle husbandry practices, environmental factors and farmer characteristics with the occurrence of chronic bovine tuberculosis in dairy herds in the Republic of Ireland. *Preventive Veterinary Medicine* 17, 145-160.

Griffin, J.M., Martin, S.W., Thorburn, M.A., Eves, J.A., Hammond, R.F., 1996. A case-control study on the association of selected risk factors with the occurrence of bovine tuberculosis in the Republic of Ireland. *Preventive Veterinary Medicine* 27, 75-87 and 27, 217-229.

Griffin, J.M., More, S.J., Clegg, T.A., Collins, J.D., O'Boyle, I., Williams, D.H., Kelly, G.E., Costello, E., Sleeman, D.P., O'Shea, F., Duggan, M., Murphy, J., Lavin, D.P.T., 2005. Tuberculosis in cattle: the results of the four-area project. *Irish Veterinary Journal* 58, 629-636.

Griffin, J.M., O'Reilly, P.J., 2003. Epidemiology and control of an outbreak of foot-and-mouth disease in the Republic of Ireland in 2001. *Veterinary Record* 152, 705-712.

Griffin, J.M., Williams, D.H., Kelly, G.E., Clegg, T.A., O'Boyle, I., Collins, J.D., More, S.J., 2005. The impact of badger removal on the control of tuberculosis in cattle herds in Ireland. *Preventive Veterinary Medicine* 67, 237-266.

Hammond, R.F., McGrath, G., Martin, S.W., 2001. Irish soil and land-use classifications as predictors of numbers of badgers and badger setts. *Preventive Veterinary Medicine* 51, 137-148.

Harley, S., Boyle, L.A., O'Connell, N.E., More, S.J., Teixeira, D.L., Hanlon, A., 2014. Docking the value of pigmeat? Prevalence and financial implications of welfare lesions in Irish slaughter pigs. *Animal Welfare* 23, 275-285.

Harley, S., More, S.J., Boyle, L., O'Connell, N., Hanlon, A., 2012. Good animal welfare makes economic sense: potential of pig abattoir meat inspection as a welfare surveillance tool. *Irish Veterinary Journal* 65, 11.

Harley, S., More, S.J., O'Connell, N.E., Hanlon, A., Teixeira, D., Boyle, L., 2012. Evaluating the prevalence of tail biting and carcass condemnations in slaughter pigs in the Republic and Northern Ireland, and the potential of abattoir meat inspection as a welfare surveillance tool. *Veterinary Record* 171, 621.

CVERA Board of management

* **The TB Diagnostics and Immunology Research Centre and The Badger Vaccine Project**

** **DAFM Veterinary Laboratory Service**

*** **UCC School of Biological, Earth and Environmental Sciences**

**** **The School of Natural Sciences, Trinity College Dublin**

- Harrington, R., O'Donovan, G., McGrath, G., 2013. Integrated Constructed Wetlands (ICW) working at the landscape scale: The Anne Valley project, Ireland. *Ecological Informatics* 14, 104-107.
- Hayes, M., Ashe, S., Collins, D.M., Power, S., Kenny, K., Sheahan, M., O'Hagan, G., More, S.J., 2009. An evaluation of Irish cattle herds with inconclusive serological evidence of bovine brucellosis. *Irish Veterinary Journal* 62, 182-190.
- Hayes, M., Kilroy, A., Ashe, S., Power, S., Kenny, K., Collins, D.M., More, S.J., 2010. An outbreak of bovine brucellosis in County Clare, Ireland, during 2005. *Veterinary Record* 166, 107-111.
- Healy, A.M., Hanlon, A.J., Weavers, E., Collins, J.D., Doherty, M.L., 2002. A behavioural study of scrapie-affected sheep. *Applied Animal Behaviour Science* 79, 89-102.
- Healy, A.M., Hannon, D., Morgan, K.L., Weavers, E., Collins, J.D., Doherty, M.L., 2004. A paired case control study of risk factors for scrapie in Irish sheep flocks. *Preventive Veterinary Medicine* 64, 73-83.
- Healy, A.M., Morgan, K.L., Hannon, D., Collins, J.D., Weavers, E., Doherty, M.L., 2004. Postal questionnaire survey of scrapie in sheep flocks in Ireland. *Veterinary Record* 155, 493-494.
- Healy, A.M., Weavers, E., McElroy, M., Gomez-Parada, M., Collins, J.D., O'Doherty, E., Sweeney, T., Doherty, M.L., 2003. The clinical neurology of scrapie in Irish sheep. *Journal of Veterinary Internal Medicine* 17, 908-916.
- * Hill, S.C., Murphy, A.A., Cotten, M., Palser, A.L., Benson, P., Lesellier, S., Gormley, E., Richomme, C., Grierson, S., Ni Bhuachalla, D., Chambers, M., Kellam, P., Boschiroli, M.-L., Ehlers, B., Jarvis, M.A., Pybus, O.G., 2015. Discovery of a polyomavirus in European badgers (*Meles meles*) and the evolution of host range in the family *Polyomaviridae*. *Journal of General Virology* 96, 1411-1422.
- Houtsma, E., Clegg, T.A., Good, M., More, S.J., 2018. Further improvement in the control of bovine tuberculosis recurrence in Ireland. *Veterinary Record* 183, 622.
- * Jenkins, A.O., Gormley, E., Gcebe, N., Fosgate, G.T., Conan, A., Aagaard, C., Michel, A.L., Rutten, V.P.M.G., 2018. Cross reactive immune responses in cattle arising from exposure to *Mycobacterium bovis* and non-tuberculous mycobacteria. *Preventive Veterinary Medicine* 152, 16-22.
- Jin, R., Good, M., More, S.J., Sweeney, C., McGrath, G., Kelly, G.E., 2013. An association between rainfall and bovine TB in Wicklow, Ireland. *Veterinary Record* 173, 452.
- **** Kelly, D.J., Corner, L.A.L., Gormley, E., Murphy, D., Costello, E., Aldwell, F.E., Marples, N.M., 2011. Evaluation of attractant flavours for use in oral vaccine baits for badgers (*Meles meles*). *European Journal of Wildlife Research* 57, 767-774.
- **** Kelly, D.J., Robertson, A., Murphy, D., Fitzsimons, T., Costello, E., Gormley, E., Corner, L.A.L., Marples, N.M., 2012. Trophic enrichment factors for blood serum in the European badger (*Meles meles*). *PLoS One* 7, e53071.
- Kelly, G., Condon, J., More, S.J., Dolan, L., Higgins, I., Eves, J., 2008. A long term observational study of the impact of badger removal on herd restrictions due to bovine TB in the Irish midlands during 1989 – 2004. *Epidemiology and Infection* 136, 1362-1373.

CVERA Board of management

* **The TB Diagnostics and Immunology Research Centre and The Badger Vaccine Project**

** **DAFM Veterinary Laboratory Service**

*** **UCC School of Biological, Earth and Environmental Sciences**

**** **The School of Natural Sciences, Trinity College Dublin**

Kelly, G.E., McGrath, G., More, S.J., 2010. Estimating the extent of spatial association of *Mycobacterium bovis* infection in badgers in Ireland. *Epidemiology and Infection* 138, 270-279.

Kelly, G.E., More, S.J., 2011. Spatial clustering of TB-infected cattle herds prior to and following proactive badger removal. *Epidemiology and Infection* 139, 1220-1229.

Kelly, P.C., More, S.J., Blake, M., Hanlon, A.J., 2011. Identification of key performance indicators for on-farm animal welfare incidents: possible tools for early warning and prevention. *Irish Veterinary Journal* 64, 13.

Kelly, P.C., More, S.J., Blake, M., Higgins, I., Clegg, T.A., Hanlon, A.J., 2013. Validation of key indicators in cattle farms at high risk of animal welfare problems: a qualitative case-control study. *Veterinary Record* 172, 314.

Kelly, P.T., O'Sullivan, K., Berry, D.P., More, S.J., Meaney, W.J., O'Callaghan, E.J., O'Brien, B., 2009. Farm management factors associated with bulk tank total bacterial count in Irish dairy herds during 2006/07. *Irish Veterinary Journal* 62, 36-42.

Kelly, P.T., O'Sullivan, K., Berry, D.P., More, S.J., Meaney, W.J., O'Callaghan, E.J., O'Brien, B., 2009. Farm management factors associated with bulk tank somatic cell count in Irish dairy herds. *Irish Veterinary Journal* 62, Supplement 45-51.

* Killick, K.E., Browne, J.A., Park, S.D.E., Magee, D.A., Martin, I., Meade, K.G., Gordon, S.V., Gormley, E., O'Farrelly, C., Hokamp, K., MacHugh, D.E., 2011. Genome-wide transcriptional profiling of peripheral blood leukocytes from cattle infected with *Mycobacterium bovis* reveals suppression of host immune genes. *BMC Genomics* 12, 611.

* Killick, K.E., Magee, D.A., Park, S.D.E., Taraktsoglou, M., Browne, J.A., Conlon, K.M., Nalpas, N.C., Gormley, E., Gordon, S.V., MacHugh, D.E., Hokamp, K., 2014. Key hub and bottleneck genes differentiate the macrophage response to virulent and attenuated *Mycobacterium bovis*. *Frontiers in Immunology* 5, 422.

Lane, E.A., 2008. Problem based learning in veterinary education. *Journal of Veterinary Medical Education* 35, 631-636.

Lane, E.A., Austin, E.J., Crowe, M.A., 2008. Oestrous synchronisation in cattle - current options following the EU regulations restricting use of oestrogenic compounds in food producing animals: a review. *Animal Reproduction Science* 109, 1-16.

Lane, E.A., Bijnen, M.L.J., Osborne, M., More, S.J., Henderson, I.S.F., Duffy, P., Crowe, M.A., 2016. Key factors affecting reproductive success of thoroughbred mares and stallions on a commercial stud farm. *Reproduction in Domestic Animals* 51, 181-187.

Lane, E.A., Canty, M.J., More, S.J., 2015. Cadmium exposure and consequences for the health and productivity of farmed ruminants. *Research in Veterinary Science* 101, 132-139.

Lane, E.A., Crowe, M.A., Beltman, M.E., More, S.J., 2013. The influence of cow and management factors on reproductive performance of Irish seasonal calving dairy cows. *Animal Reproduction Science* 141, 34-41.

Lane, E.A., Sweeney, T., Ryan, M., Roche, J.F., Crowe, M.A., 2009. Relationship between serum gonadotropins and pituitary immunoreactive gonadotropins and steroid receptors during the first FSH increase of the estrous cycle and following steroid treatment in heifers. *Animal Reproduction Science* 112, 66-82.

CVERA Board of management

* **The TB Diagnostics and Immunology Research Centre and The Badger Vaccine Project**

** **DAFM Veterinary Laboratory Service**

*** **UCC School of Biological, Earth and Environmental Sciences**

**** **The School of Natural Sciences, Trinity College Dublin**

Lee, B-Y., Higgins, I.M., Moon, O-K., Clegg, T.A, McGrath, G., Collins, D.M., Park, J-Y., Yoon, H-C., Lee, S-J., More, S.J., 2009. Surveillance and control of bovine brucellosis in the Republic of Korea during 2000 to 2006. *Preventive Veterinary Medicine* 90, 66-79.

** Leonard, N., Egan, J., Griffin, J., Hanlon, A., Poole, D., 2001. A survey of some factors relevant to animal welfare on 249 dairy farms in the Republic of Ireland Part 2: Data on incidence of disease, culling and biosecurity measures. *Irish Veterinary Journal* 54, 454-456.

* Lesellier, S., Corner, L., Costello, E., Lyashchenko, K., Greenwald, R., Esfandiari, J., Singh, M., Hewinson, R.G., Chambers, M., Gormley, E., 2009. Immunological responses and protective immunity in BCG vaccinated badgers following endobronchial infection with *Mycobacterium bovis*. *Vaccine* 27, 402-409.

* Lesellier, S., Corner, L., Costello, E., Sleeman, P., Lyashchenko, K., Greenwald, R., Esfandiari, J., Singh, M., Hewinson, R.G., Chambers, M., Gormley, E., 2008. Antigen specific immunological responses of badgers (*Meles meles*) experimentally infected with *Mycobacterium bovis*. *Veterinary Immunology and Immunopathology* 122, 35-45.

* Lesellier, S., Corner, L., Costello, E., Sleeman, P., Lyashchenko, K.P., Greenwald, R., Esfandiari, J., Hewinson R.G., Chambers, M., Gormley, E., 2009. Immunological responses following experimental endobronchial infection of badgers (*Meles meles*) with different doses of *Mycobacterium bovis*. *Veterinary Immunology and Immunopathology* 127, 174-180.

* Lesellier, S., Palmer, S., Gowtage-Sequiera, S., Ashford, R., Dalley, D., Davé, D., Weyer, U., Salguero, F.J., Nunez, A., Crawshaw, T., Corner, L.A.L., Hewinson, R.G., Chambers, M.A., 2011. Protection of Eurasian badgers (*Meles meles*) from tuberculosis after intra-muscular vaccination with different doses of BCG. *Vaccine* 29, 3782-3790.

Lorenz, I., Earley, B., Gilmore, J., Hogan, I., Kennedy, E., More, S.J., 2011. Calf health from birth to weaning. III. Housing and management of calf pneumonia. *Irish Veterinary Journal* 64, 14.

Lorenz, I., Fagan, J., More, S.J., 2011. Calf health from birth to weaning. II. Management of diarrhoea in pre-weaned calves. *Irish Veterinary Journal* 64, 9.

Lorenz, I., Mee, J.F., Earley, B., More, S.J., 2011. Calf health from birth to weaning. I. General aspects of disease prevention. *Irish Veterinary Journal* 64, 10.

* MacHugh, D.E., Gormley, E., Park, S.D.E, Browne, J.A., Taraktsoglou, M., O'Farrelly, C., Meade, K.G., 2009. Gene expression profiling of the host response to *Mycobacterium bovis* infection in cattle. *Transboundary and Emerging Diseases* 56, 204-214.

* MacHugh, D.E., Taraktsoglou, M., Killick, K.E., Nalpas, N.C., Browne, J.A., Park, S.D., Hokamp, K., Gormley, E., Magee, D.A., 2012. Pan-genomic analysis of bovine monocyte-derived macrophage gene expression in response to *in vitro* infection with *Mycobacterium avium* subspecies *paratuberculosis*. *Veterinary Research* 43, 25.

Magalhães-Sant'Ana, M., More, S.J., Morton, D.B., Hanlon, A., 2016. Ethical challenges facing veterinary professionals in Ireland: results from Policy Delphi with vignette methodology. *Veterinary Record* 179, 437.

Magalhães-Sant'Ana, M., More, S.J., Morton, D.B., Hanlon, A.J., 2017. Challenges facing the veterinary profession in Ireland: 1. Clinical veterinary services. *Irish Veterinary Journal* 70, 17.

CVERA Board of management

* **The TB Diagnostics and Immunology Research Centre and The Badger Vaccine Project**

** **DAFM Veterinary Laboratory Service**

*** **UCC School of Biological, Earth and Environmental Sciences**

**** **The School of Natural Sciences, Trinity College Dublin**

Magalhães-Sant'Ana, M., More, S.J., Morton, D.B., Hanlon, A.J., 2017. Challenges facing the veterinary profession in Ireland: 2. On-farm use of veterinary antimicrobials. *Irish Veterinary Journal* 70, 28.

Magalhães-Sant'Ana, M., More, S.J., Morton, D.B., Hanlon, A.J., 2017. Challenges facing the veterinary profession in Ireland: 3. Emergency and casualty slaughter certification. *Irish Veterinary Journal* 70, 24.

Magalhães-Sant'Ana, M., More, S.J., Morton, D.B., Osborne, M., Hanlon, A., 2015. What do European veterinary codes of conduct actually say and mean? A case study approach. *Veterinary Record* 176, 654.

* Magee, D.A., Conlon, K.M., Nalpas, N.C., Browne, J.A., Pirson, C., Healy, C., McLoughlin, K.E., Chen, J., Vordermeier, H.M., Gormley, E., MacHugh, D.E., Gordon, S.V., 2014. Innate cytokine profiling of bovine alveolar macrophages reveals commonalities and divergence in the response to *Mycobacterium bovis* and *Mycobacterium tuberculosis* infection. *Tuberculosis* 94, 441–450.

* Magee, D.A., Taraktsoglou, M., Killick, K.E., Nalpas, N.C., Browne, J.A., Park, S.D., Conlon, K.M., Lynn, D.J., Hokamp, K., Gordon, S.V., Gormley, E., MacHugh, D.E., 2012. Global gene expression and systems biology analysis of bovine monocyte-derived macrophages in response to *in vitro* challenge with *Mycobacterium bovis*. *PLoS One* 7, e32034.

Maher, P., Good, M., More, S.J., 2008. Trends in the number of, and rate at which, cows are culled from the Irish cattle population, 2003 to 2006. *Irish Veterinary Journal* 61, 455-463.

* Malone, K.M., Rue-Albrecht, K., Magee, D.A., Conlon, K., Schubert, O.T., Nalpas, N.C., Browne, J.A., Smyth, A., Gormley, E., Aebersold, R., MacHugh, D.E., Gordon, S.V., 2018. Comparative 'omics analyses differentiate *Mycobacterium tuberculosis* and *Mycobacterium bovis* and reveal distinct macrophage responses to infection with the human and bovine tubercle bacilli. *Microbial Genomics* 2018, 4.

* Martin, C., Williams, A., Hernandez-Pando, R., Cardona, P.J., Gormley, E., Bordat, Y., Soto, C.Y., Clark, S.O., Hatch, G.J., Aguilar, D., Ausina, V., Gicquel, B., 2006. The live *Mycobacterium tuberculosis* phoP mutant strain is more attenuated than BCG and confers protective immunity against tuberculosis in mice and guinea pigs. *Vaccine* 24, 3408-3419.

Martin, L.E.R., Byrne, A.W., O'Keeffe, J., Miller, M.A., Olea-Popelka, F.J., 2017. Weather influences trapping success for tuberculosis management in European badgers (*Meles meles*). *European Journal of Wildlife Research* 63, 30.

Martin, S.W., Eves, J.A., Dolan, L.A., Hammond, R.F., Griffin, J.M., Collins, J.D., Shoukri, M.M., 1997. The association between the bovine tuberculosis status of herds in the East Offaly Project Area, and the distance to badger setts, 1988-1993. *Preventive Veterinary Medicine* 31, 113-125.

Martinez, T.A., Pfeiffer, D.U., More, S.J., 2011. Preface. SVEPM 2010 – The role of veterinary epidemiology in animal health in the world today. *Preventive Veterinary Medicine* 100, 89.

McAloon, C.G., Doherty, M.L., Whyte, P., More, S.J., O'Grady, L., Citer, L., Green, M.J., 2017. Relative importance of herd-level risk factors for probability of infection with paratuberculosis in Irish dairy herds. *Journal of Dairy Science* 100, 9245-9257.

McAloon, C.G., Doherty, M.L., Whyte, P., O'Grady, L., More, S.J., Messam, L.L., Good, M., Mullaney, P., Strain, S., Green, M.J., 2016. Bayesian estimation of prevalence of

CVERA Board of management

* **The TB Diagnostics and Immunology Research Centre and The Badger Vaccine Project**

** **DAFM Veterinary Laboratory Service**

*** **UCC School of Biological, Earth and Environmental Sciences**

**** **The School of Natural Sciences, Trinity College Dublin**

paratuberculosis in dairy herds enrolled in a voluntary Johne's Disease Control Programme in Ireland. *Preventive Veterinary Medicine* 128, 95-100.

McAloon, C.G., Doherty, M.L., Whyte, P., Verdugo, C., Toft, N., More, S.J., O'Grady, L., Green, M.J., 2018. Low accuracy of Bayesian latent class analysis for estimation of herd-level true prevalence under certain disease characteristics - An analysis using simulated data. *Preventive Veterinary Medicine* (in press).

McAloon, C., Macken-Walsh, A., Moran, L., Whyte, P., More, S.J., O'Grady, L., Doherty, M.L., 2017. Johne's disease in the eyes of Irish cattle farmers: a qualitative narrative research approach to understanding implications for disease management. *Preventive Veterinary Medicine* 141, 7-13.

McAloon, C.G., Whyte, P., More, S.J., Green, M.J., O'Grady, L., Garcia, A., Doherty, M.L., 2016. The effect of paratuberculosis on milk yield – a systematic review and meta-analysis. *Journal of Dairy Science* 99, 1449-1460.

McAloon, C.G., Whyte, P., More, S.J., O'Grady, L., Doherty, M.L., 2015. Development of a HACCP-based approach to control paratuberculosis in infected Irish dairy herds. *Preventive Veterinary Medicine* 120, 152-161.

McCarthy, G., Ferrand, M., DeWaal, T., Zintl, A., McGrath, G., Byrne, W., O'Neill, E.J., 2016. Geographical distribution of *Angiostrongylus vasorum* in foxes (*Vulpes vulpes*) in the Republic of Ireland. *Parasitology* 143, 588-593.

* McCarthy, G., Shiel, R., O'Rourke, L., Murphy, D., Corner, L., Costello, E., Gormley, E., 2009. Bronchoalveolar lavage cytology from captive badgers. *Veterinary Clinical Pathology* 38, 381-387.

* McClune, D.W., Marks, N.J., Wilson, R.P., Houghton, J.D.R., Montgomery, I.W., McGowan, N.E., Gormley, E., Scantlebury, M., 2014. Tri-axial accelerometers quantify behaviour in the Eurasian badger (*Meles meles*): towards an automated interpretation of field data. *Animal Biotelemetry* 2, 5.

McGrath, G., Abernethy, D.A., Stringer, L., More, S.J., 2009. An all-island approach to mapping bovine tuberculosis in Ireland. *Irish Veterinary Journal* 62, 192-197.

McGrath, G., Clegg, T.A., More, S.J., 2014. Recent spatial changes in bovine tuberculosis in the Republic of Ireland. *Veterinary Record* 174, 45.

McGrath, G., More, S.J., O'Neill, R., 2018. Hypothetical route of the introduction of Schmallenberg virus into Ireland using two complementary analyses. *Veterinary Record* 182, 226.

McGrath, G., Tratalos, T.A., More, S.J., 2018. A visual representation of cattle movement in Ireland during 2016. *Irish Veterinary Journal* 71, 18.

* McLoughlin, K.E., Nalpas, N.C., Rue-Albrecht, K., Browne, J.A., Magee, D.A., Killick, K.E., Park, S.D.E., Hokamp, K., Meade, K.G., O'Farrelly, C., Gormley, E., Gordon, S.V., MacHugh, D.E., 2014. RNA-seq transcriptional profiling of peripheral blood leukocytes from cattle infected with *Mycobacterium bovis*. *Frontiers in Immunology* 5, 396.

* Meade, K.G., Gormley, E., Doyle, M.B., Fitzsimons, T., O'Farrelly, C., Costello, E., Keane, J., Zhao, Y., MacHugh, D.E., 2007. Innate gene repression associated with *Mycobacterium bovis* infection in cattle: toward a gene signature of disease. *BMC Genomics* 8, 400.

CVERA Board of management

* **The TB Diagnostics and Immunology Research Centre and The Badger Vaccine Project**

** **DAFM Veterinary Laboratory Service**

*** **UCC School of Biological, Earth and Environmental Sciences**

**** **The School of Natural Sciences, Trinity College Dublin**

* Meade, K.G., Gormley, E., O'Farrelly, C., Park, S.D., Costello, E., Keane, J., Zhao, Y., MacHugh, D.E., 2008. Antigen stimulation of peripheral blood mononuclear cells from *Mycobacterium bovis* infected cattle yields evidence for a novel gene expression program. *BMC Genomics* 9, 447.

* Meade, K.G., Gormley, E., Park, S.D.E., Fitzsimons, T., Rosa, G.J.M., Costello, E., Keane, J., Coussens, P.M., MacHugh, D.E., 2006. Gene expression profiling of peripheral blood mononuclear cells (PBMC) from *Mycobacterium bovis* infected cattle after *in vitro* antigenic stimulation with purified protein derivative of tuberculin (PPD). *Veterinary Immunology and Immunopathology* 113, 73-89.

Mee, J.F., Geraghty, T., O'Neill, R., More, S.J. on behalf of Animal Health Ireland's Technical Working Group on Biosecurity, 2012. Bioexclusion of diseases from dairy and beef farms: Risks of introducing infectious agents and risk reduction strategies. *The Veterinary Journal* 194, 143-150.

Meskill, P., Devitt, C., More, S.J., 2013. Challenges to quality testing for bovine tuberculosis in Ireland: perspectives from major stakeholders. *Veterinary Record* 173, 94.

Metcalfe, L.V.A., More, S.J., Duggan, V., Katz, L.M., 2013. A retrospective study of horses investigated for weight loss despite a good appetite (2002-2011). *Equine Veterinary Journal* 45, 340-345.

Meyer, A., McAloon, C.C., Tratalos, J., More, S.J., Citer, L.R., Graham, D.A., Sergeant, E.S.G., 2018. Modelling of alternative testing strategies to demonstrate freedom from *Mycobacterium avium* subsp. *paratuberculosis* infection in test-negative dairy herds in the Republic of Ireland. *Journal of Dairy Science* (in press).

* Monaghan, M.L., Doherty, M.L., Collins, J.D., Kazda, J.F., Quinn, P.J., 1994. The tuberculin test. *Veterinary Microbiology* 40, 111-124.

* Monaghan, M.L., Quinn, P.J., Kelly, A.P., McGill, K., McMurray, C., O'Crowley, K., Bassett, H.F., Costello, E., Quigley, F., Rothel, J.S., Wood, P.R., Collins, J.D., 1997. A pilot trial to evaluate the gamma-interferon assay for the detection of *Mycobacterium bovis* infected cattle under Irish conditions. *Irish Veterinary Journal* 50, 229-232.

Mooney, J., Lynch, M.R., Prescott, C.V., Clegg, T., Loughlin, M., Hannon, B., Moore, C., Faulkner, R., 2018. VKORC1 sequence variants associated with resistance to anticoagulant rodenticides in Irish populations of *Rattus norvegicus* and *Mus musculus domesticus*. *Scientific Reports* 8, 4535.

More, S.J., 2012. Evidence is at the core of scientific method: A challenge for clinicians. *The Veterinary Journal* 191, 11-12.

More, S.J., 2007. Progress in Ireland towards the eradication of bovine tuberculosis. *UK Vet Livestock* 12, 60-63.

More, S.J., 2007. Shaping our future: animal health in a global trading environment. *Irish Veterinary Journal* 60, 540-545.

More, S.J., 2009. Global trends in milk quality: implications for the Irish dairy industry. *Irish Veterinary Journal* 62, Supplement 5-14.

CVERA Board of management

* **The TB Diagnostics and Immunology Research Centre and The Badger Vaccine Project**

** **DAFM Veterinary Laboratory Service**

*** **UCC School of Biological, Earth and Environmental Sciences**

**** **The School of Natural Sciences, Trinity College Dublin**

More, S.J., 2010. Improving the quality of reporting in veterinary journals: how far do we need to go with reporting guidelines? *The Veterinary Journal* 184, 249-250.

More, S.J., 2009. What is needed to eradicate bovine tuberculosis successfully: an Irish perspective. *The Veterinary Journal* 180, 275-278.

More, S.J., 2008. A case for increased private sector involvement in Ireland's national animal health services. *Irish Veterinary Journal* 61, 92-100.

More, S.J., Aznar, I., Bailey, D.C., Larkin, J.F., Leadon, D.P., Lenihan, P., Flaherty, B., Fogarty, U., Brangan, P., 2008. An outbreak of equine infectious anaemia (EIA) in Ireland during 2006: the investigation methodology, the initial source of infection, diagnosis and clinical presentation, the modes of transmission and spread in the Meath cluster. *Equine Veterinary Journal* 40, 706-708.

More, S.J., Aznar, I., Myers, T., Leadon, D.P., Clegg, T.A., 2008. An outbreak of equine infectious anaemia (EIA) in Ireland during 2006: the modes of transmission and spread in the Kildare cluster. *Equine Veterinary Journal* 40, 709-711.

More, S.J., Cameron, A.R., Greiner, M., Clifton-Hadley, R.S., Correia Rodeia, S., Bakker, D., Salman, M.D., Sharp, J.M., De Massis, F., Aranaz, A., Boniotti, M.B., Gaffuri, A., Have, P., Verloo, D., Woodford, M., Weirup, M., 2009. Defining output-based standards to achieve and maintain TB freedom in farmed deer, with reference to EU member states. *Preventive Veterinary Medicine* 90, 254-267.

More, S.J., Cameron, A.R., Strain, S., Cashman, W., Ezanno, P., Kenny, K., Fourichon, C., Graham, D., 2015. Evaluation of testing strategies to identify infected animals at a single round of testing within dairy herds known to be infected with *Mycobacterium avium* ssp. *paratuberculosis*. *Journal of Dairy Science* 98, 5194-5210.

More, S.J., Clegg, T.A., Lynch, P.J., O'Grady, L., 2013. The effect of somatic cell count data adjustment and interpretation, as outlined in European Union legislation, on herd eligibility to supply raw milk for processing of dairy products. *Journal of Dairy Science* 96, 3671-3681.

More, S.J., Clegg, T.A., McCoy, F., 2017. The use of national-level data to describe trends in intramammary antimicrobial usage on Irish dairy farms during 2003 to 2015. *Journal of Dairy Science* 100, 6400-6413.

More, S.J., Clegg, T.A., McGrath, G., Collins, J.D., Corner, L.A.L., Gormley, E., 2007. Does reactive badger culling lead to an increase in tuberculosis in cattle? *Veterinary Record* 161, 208-209.

More, S.J., Clegg, T.A., O'Grady, L., 2012. Insights into udder health and intramammary antibiotic usage on Irish dairy farms during 2003-2010. *Irish Veterinary Journal* 65, 7.

More, S.J., Collins, J.D., Good, M., Skuce, R.A., Pollock, J.M., Gormley, E., 2006. Preface, editorial. *Veterinary Microbiology* 112, 89-89.

More, S.J., Collins, J.D., Gormley, E., Good, M., Skuce, R.A., Pollock, J.M., 2006. 4th International Conference on *Mycobacterium bovis*: workshop reports. *Veterinary Microbiology* 112, 383-391.

More, S.J., Doherty, M.L., Downey, L., McKenzie, K., Devitt, C., O'Flaherty, J., 2011. Animal Health Ireland: providing national leadership and coordination of non-regulatory animal health

CVERA Board of management

* **The TB Diagnostics and Immunology Research Centre and The Badger Vaccine Project**

** **DAFM Veterinary Laboratory Service**

*** **UCC School of Biological, Earth and Environmental Sciences**

**** **The School of Natural Sciences, Trinity College Dublin**

issues in Ireland. *Revue scientifique et technique / Office international des épizooties (OIE Scientific and Technical Review)* 30, 715-723.

More, S.J., Doherty, M.L., O'Grady, L., 2017. An investigative framework to facilitate epidemiological thinking during herd problem-solving. *Irish Veterinary Journal* 70, 11.

More, S.J., Good, M., 2006. The tuberculosis eradication programme in Ireland: a review of scientific and policy advances since 1988. *Veterinary Microbiology* 112, 239-51.

More, S.J., Good, M., 2015. Understanding and managing bTB risk: perspectives from Ireland. *Veterinary Microbiology* 176, 209-218.

More, S.J., Hanlon, A., Marchewka, J., Boyle, L., 2017. Private animal health and welfare standards in quality assurance programmes: a review and proposed framework for critical evaluation. *Veterinary Record* 180, 612.

More, S.J., Houtsma, E., Doyle, L., McGrath, G., Clegg, T.A., de la Rua-Domenech, R., Duignan, A., Blissitt, M.J., Dunlop, M., Schroeder, P.G., Pike, R., Upton, P., 2018. Further description of bovine tuberculosis trends in the United Kingdom and the Republic of Ireland, 2003–2015. *Veterinary Record* (in press).

More, S.J., McKenzie, K., O'Flaherty, J., Doherty, M.L., Cromie, A.R., Magan, M.J., 2010. Setting priorities for non-regulatory animal health in Ireland: results from an expert Policy Delphi study and a farmer priority identification survey. *Preventive Veterinary Medicine* 95, 198-207.

More, S.J., McGrath, G., 2015. Randomised Badger Culling Trial: interpreting the results. *Veterinary Record* 177, 128-129.

More, S.J., Radunz, B., Glanville, R.J., 2015. Lessons learned during the successful eradication of bovine tuberculosis from Australia. *Veterinary Record* 177, 224-232.

More, S.J., Sergeant, E.S.G., Strain, S., Cashman, W., Kenny, K., Graham, D., 2013. The effect of alternative testing strategies and bio-exclusion practices on Johne's disease risk in test-negative herds. *Journal of Dairy Science* 96, 1581-1590.

Morrissey, T., Houtsma, E., Cheslett, D., Yatabe, T., Geoghegan, F., More, S.J., 2017. Mortality in *Crassostrea gigas* oysters in Ireland during 2012. *Bulletin of the European Association of Fish Pathologists* 37, 50-61.

* Murphy, D., Corner, L.A.L., Gormley, E., 2008. Adverse reactions to *Mycobacterium bovis* bacille Calmette-Guerin (BCG) vaccination against tuberculosis in humans, veterinary animals and wildlife species. *Tuberculosis* 88, 344-357.

* Murphy, D., Costello, E., Aldwell, F.E., Lesellier, S., Chambers, M.A., Fitzsimons, T., Corner, L.A.L., Gormley, E., 2014. Oral vaccination of badgers (*Meles meles*) against tuberculosis: Comparison of the protection generated by BCG vaccine strains Pasteur and Danish. *The Veterinary Journal* 200, 362-367.

* Murphy, D., Gormley, E., Costello, E., O'Meara, D., Corner, L.A.L., 2010. The prevalence and distribution of *Mycobacterium bovis* infection in European badgers (*Meles meles*) as determined by enhanced post mortem examination and bacteriological culture. *Research in Veterinary Science* 88, 1-5.

CVERA Board of management

* **The TB Diagnostics and Immunology Research Centre and The Badger Vaccine Project**

** **DAFM Veterinary Laboratory Service**

*** **UCC School of Biological, Earth and Environmental Sciences**

**** **The School of Natural Sciences, Trinity College Dublin**

* Murphy, D., O’Keeffe, J., Martin, S.W., Gormley, E., Corner, L.A.L., 2009. An assessment of injury to European badgers (*Meles meles*) due to capture in stopped restraints. *Journal of Wildlife Diseases* 45, 481-490.

* Murphy, D., Gormley, E., Collins, D.M., McGrath, G., Sovsic, E., Costello, E., Corner, L.A.L., 2011. Tuberculosis in cattle herds are sentinels for *Mycobacterium bovis* infection in European badgers (*Meles meles*): the Irish Greenfield Study. *Veterinary Microbiology* 151, 120-125.

** Murphy, T.M., Fahy, K.N., McAuliffe, A., Forbes, A.B., Clegg, T.A., O’Brien, D.J., 2006. A study of helminth parasites in culled cows from Ireland. *Preventive Veterinary Medicine* 76, 1-10.

Murray, D., Clegg, T.A., More, S.J., 2012. Evaluation of single reactor bovine tuberculosis breakdowns based on analysis of reactors slaughtered at an Irish export meat plant. *Veterinary Record* 170, 516.

Murray, G.M., Cassidy, J.P., Clegg, T.A., Tratalos, J.A., McClure, J., O’Neill, R.G., Sammin, D.J., Casey, M.J., McElroy, M., Earley, B., Bourke, N., More, S.J., 2016. A retrospective epidemiological analysis of risk factors for a primary necropsy diagnosis of bovine respiratory disease. *Preventive Veterinary Medicine* 132, 49-56.

Murray, G.M., More, S.J., Clegg, T.A., Earley, B., O’Neill, R.G., Johnston, D., Gilmore, J., Nosov, M., McElroy, M.C., Inzana, T.J., Cassidy, J.P., 2018. Risk factors associated with exposure to bovine respiratory disease pathogens during the peri-weaning period in dairy bull calves. *BMC Veterinary Research* 14, 53.

Murray, G.M., More, S.J., Sammin, D., Casey, M.J., McElroy, M.C., O’Neill, R.G., Byrne, W.J., Earley, B., Clegg, T.A., Ball, H., Bell, C.J., Cassidy, J.P., 2017. Pathogens, patterns of pneumonia, and epidemiologic risk factors associated with respiratory disease in recently weaned cattle in Ireland. *Journal of Veterinary Diagnostic Investigation* 29, 20-34.

Murray, G.M., O’Neill, R.G., Lee, A., McElroy, M., More, S.J., Monagle, A., Earley, B., Cassidy, J.P., 2017. The bovine paranasal sinuses: bacterial flora, epithelial expression of nitric oxide and potential role in the in-herd persistence of respiratory disease pathogens. *PLoS One* 12, e0173845.

Murray, G.M., O’Neill, R.G., More, S.J., McElroy, M.C., Earley, B., Cassidy, J.P., 2016. Evolving views on bovine respiratory disease: An appraisal of selected key pathogens – Part 1. *The Veterinary Journal* 217, 95-102.

Murray, G.M., O’Neill, R.G., More, S.J., McElroy, M.C., Earley, B., Cassidy, J.P., 2016. Evolving views on bovine respiratory disease: An appraisal of selected control measures – Part 2. *The Veterinary Journal* 217, 78-82.

Ó Máirtín, D., Williams, D.H., Dolan, L., Eves, J.A., Collins, J.D., 1998. The influence of selected herd factors and a badger-intervention tuberculosis-control programme on the risk of a herd-level trade restriction to a bovine population in Ireland. *Preventive Veterinary Medicine* 35, 79-90.

Ó Máirtín, D., Williams, D.H., Griffin, J.M., Dolan, L.A., Eves, J.A., 1998. The effect of a badger removal programme on the incidence of tuberculosis in an Irish cattle population. *Preventive Veterinary Medicine* 34, 47-56.

* Nalpas, N.C., Magee, D.A., Conlon, K.M., Browne, J.A., Healy, C., McLoughlin, K.E., Rue-Albrecht, K., McGettigan, P.A., Killick, K.E., Gormley, E., Gordon, S.V., MacHugh, D.E., 2015.

CVERA Board of management

* **The TB Diagnostics and Immunology Research Centre and The Badger Vaccine Project**

** **DAFM Veterinary Laboratory Service**

*** **UCC School of Biological, Earth and Environmental Sciences**

**** **The School of Natural Sciences, Trinity College Dublin**

RNA sequencing provides exquisite insight into the manipulation of the alveolar macrophage by tubercle bacilli. *Scientific Reports* 5, 13629.

* Nalpas, N.C., Park, S.D., Magee, D.A., Taraktsoglou, M., Browne, J.A., Conlon, K.M., Rue-Albrecht, K., Killick, K.E., Hokamp, K., Lohan, A.J., Loftus, B.J., Gormley, E., Gordon, S.V., MacHugh, D.E., 2013. Whole-transcriptome, high-throughput RNA sequence analysis of the bovine macrophage response to *Mycobacterium bovis* infection *in vitro*. *BMC Genomics* 14, 230.

Nam, H.-M., Yoon, H., Kim, C.-H., More, S.J., Kim, S.J., Lee, B.-Y., Park, C.-K., Jeon, J.-M., Wee, S.-H., 2012. Epidemiological characteristics of bovine brucellosis in Korea, 2000-2004. *Korean Journal of Veterinary Research* 52, 19-24.

Naranjo-Lucena, A., Munita Corbalán, M.P., Martínez-Ibeas, A.M., McGrath, G., Murray, G., Casey, M., Good, B., Sayers, R., Mulcahy, G., Zintl, A., 2018. Spatial patterns of *Fasciola hepatica* and *Calicophoron daubneyi* infections in ruminants in Ireland and modelling of *C. daubneyi* infection. *Parasites & Vectors* 11, 531.

Naranjo Lucena, A., Munita Corbalán, M.P., Martínez-Ibeas, A.M., McGrath, G., Sayers, R., Mulcahy, G., Zintl, A., 2018. Validation of a spatial liver fluke model under field conditions in Ireland. *Geospatial Health* 13, 641.

Nash, D.M., Sheldon, I.M., Herath, S., Lane, E.A., 2010. Endometrial explant culture to study the response of equine endometrium to insemination. *Reproduction in Domestic Animals* 45, 670-676.

Nash, D., Lane, E.A., Herath, S., Sheldon, I.M., 2008. Endometrial explant culture for characterizing equine endometritis. *American Journal of Reproductive Immunology* 59, 105-117.

Nash, D.M., Sheldon, I.M., Herath, S., Lane, E.A., 2010. Markers of the uterine innate immune response of the mare. *Animal Reproduction Science* 119, 31-39.

* Ní Bhuachalla, D., Corner, L.A.L., More, S.J., Gormley, E., 2015. The role of badgers in the epidemiology of *Mycobacterium bovis* infection (tuberculosis) in cattle in the United Kingdom and the Republic of Ireland: current perspectives on control strategies. *Veterinary Medicine: Research and Reports* 6, 27-38.

Nuñez-García, J., Downs, S.H., Parry, J.E., Abernethy, D.A., Broughan, J.M., Cameron, A.R., Cook, A.J., de la Rua-Domenech, R., Goodchild, A.V., Gunn, J., More, S.J., Rhodes, S., Rolfe, S., Sharp, M., Upton, P.A., Vordermeier, H.M., Watson, E., Welsh, M., Whelan, A.O., Woolliams, J.A., Clifton-Hadley, R.S., Greiner, M., 2018. Meta-analyses of the sensitivity and specificity of ante-mortem and post-mortem diagnostic tests for bovine tuberculosis in the UK and Ireland. *Preventive Veterinary Medicine* 153, 94-107.

O'Connor, J.T., Byrne, J.P., More, S.J., Blake, M., McGrath, G., Tratalos, J.A., McElroy, M.C., Kiernan, P., Canty, M.J., O'Brien-Lynch, C., Griffin, J.M., 2018. Using an epidemiological framework and bovine spongiform encephalopathy investigation questionnaire to investigate suspect bovine spongiform encephalopathy cases: an example from a bovine spongiform encephalopathy case in Ireland in 2015. *Veterinary Record* 182, 168.

O'Connor, J., Clegg, T.A., More, S.J., 2017. Efficacy of washing and disinfection in cattle markets in Ireland. *Irish Veterinary Journal* 70, 6.

CVERA Board of management

* **The TB Diagnostics and Immunology Research Centre and The Badger Vaccine Project**

** **DAFM Veterinary Laboratory Service**

*** **UCC School of Biological, Earth and Environmental Sciences**

**** **The School of Natural Sciences, Trinity College Dublin**

- O'Connor, J., More, S.J., Griffin, J.M., O'Leary, E., 2009. Modelling the demographics of the Irish cattle population. *Preventive Veterinary Medicine* 89, 249-254.
- O'Grady, L., O'Neill, R., Collins, D.M., Clegg, T.A., More, S.J., 2008. Herd and within-herd IBR prevalence among Irish herds submitting bulls for entry to a bull performance testing station. *Irish Veterinary Journal* 61, 809-815.
- Olea-Popelka, F.J., Butler, D., Lavin, D., McGrath, G., O'Keeffe, J., Kelton, D., Berke, O., More, S., Martin, S., 2006. A case study of bovine tuberculosis in an area of County Donegal, Ireland. *Irish Veterinary Journal* 59, 683-690.
- Olea-Popelka, F.J., Costello, E., White, P., McGrath, G., Collins, J.D., O'Keeffe, J., Kelton D.F., Berke, O., More, S.J., Martin, S.W., 2008. Risk factors for disclosure of additional tuberculous cattle in attested-clear herds that had an animal with a confirmed lesion of tuberculosis at slaughter during 2003 in Ireland. *Preventive Veterinary Medicine* 85, 81-91.
- Olea-Popelka, F.J., Fitzgerald, P., White, P., McGrath, G., Collins, J.D., O'Keeffe, J., Kelton, D.F., Berke, O., More, S.J., Martin, S.W., 2009. Targeted badger removal and the subsequent risk of bovine tuberculosis in cattle herds in county Laois, Ireland. *Preventive Veterinary Medicine* 88, 178-184.
- Olea-Popelka, F.J., Flynn, O., Costello, E., McGrath, G., Collins, J.D., O'Keeffe, J., Kelton, D.F., Berke, O., Martin, S.W., 2005. Spatial relationship between *Mycobacterium bovis* strains in cattle and badgers in four areas in Ireland. *Preventive Veterinary Medicine* 71, 57-70.
- Olea-Popelka, F.J., Freeman, Z., White, P., Costello, E., O'Keeffe, J., Frankena, K., Martin, S.W., More, S.J., 2012. Relative effectiveness of Irish factories in the surveillance of slaughtered cattle for visible lesions of tuberculosis, 2005-2007. *Irish Veterinary Journal* 65, 2.
- Olea-Popelka, F.J., Griffin, J.M., Collins, J.D., McGrath, G., Martin, S.W., 2003. Bovine tuberculosis in badgers in four areas in Ireland: does tuberculosis cluster? *Preventive Veterinary Medicine* 59, 103-111.
- Olea-Popelka, F.J., Phelan, J., White, P.W., McGrath, G., Collins, J.D., O'Keeffe, J., Duggan, M., Collins, D.M., Kelton, D.F., Berke, O., More, S.J., Martin, S.W., 2006. Quantifying badger exposure and the risk of bovine tuberculosis for cattle herds in County Kilkenny, Ireland. *Preventive Veterinary Medicine* 75, 34-36.
- Olea-Popelka, F.J., White, P.W., Collins, J.D., O'Keeffe, J., Kelton, D.F., Martin, S.W., 2004. Breakdown severity during a bovine tuberculosis episode as a predictor of future herd breakdowns in Ireland. *Preventive Veterinary Medicine* 63, 163-172.
- Palacios-Agundez, I, Onaindia, M., Potschin, M., Tratalos, J.A., Madariaga, I., Haines-Young, R., 2015. Relevance for decision making of spatially explicit, participatory scenarios for ecosystem services in an area of a high current demand. *Environmental Science & Policy* 54, 199-209.
- * Palmer, M.V., Thacker, T.C., Waters, W.R., Gortázar, C., Corner, L.A.L., 2012. *Mycobacterium bovis*: A Model pathogen at the interface of livestock, wildlife and humans. *Veterinary Medicine International* 2012, 236205.
- Partridge, T., Toolan, D.P., Egan, J., More, S.J., 2008. Control of *Mycobacterium bovis* infection in two sika deer herds in Ireland. *Irish Veterinary Journal* 61, 27-32.

CVERA Board of management

* **The TB Diagnostics and Immunology Research Centre and The Badger Vaccine Project**

** **DAFM Veterinary Laboratory Service**

*** **UCC School of Biological, Earth and Environmental Sciences**

**** **The School of Natural Sciences, Trinity College Dublin**

* Parsons, S.D.C., McGill, K., Doyle, M.B., Goosen, W.J., van Helden, P.D., Gormley, E., 2016. Antigen-specific IP-10 release is a sensitive biomarker of *Mycobacterium bovis* infection in cattle. *PLoS One* 11, e0155440.

Pawitan, Y., Griffin, J.M., Collins, J.D., 2004. Analysis and prediction of the BSE incidence in Ireland. *Preventive Veterinary Medicine* 62, 267-283.

Rearson, F., Graham, D., Clegg, T.A., Tratalos, J.A., O'Sullivan, P., More, S.J., 2018. Potential infection-control benefit of measures to mitigate the risk posed by Trojan dams in the Irish BVD eradication programme. *Preventive Veterinary Medicine* 157, 78-85.

Rearson, F., Graham, D.A., Clegg, T.A., Tratalos, J.A., O'Sullivan, P., More, S.J., 2018. Quantifying the role of Trojan dams in the between-herd spread of bovine viral diarrhoea virus (BVDv) in Ireland. *Preventive Veterinary Medicine* 152, 65-73.

Richardson, I.W., Berry, D.P., Wiencko, H.L., Higgins, I.M., More, S.J., McClure, J., Lynn, D.J., Bradley, D.G., 2016. A genome-wide association study for genetic susceptibility to *Mycobacterium bovis* infection in dairy cattle identifies a susceptibility QTL on chromosome 23. *Genetics Selection Evolution* 48, 19.

Richardson, E., Good, M., McGrath, G., More, S.J., 2009. The use of Geographic Information System (GIS) and non-GIS methods to assess the external validity of samples post-collection. *Journal of Veterinary Diagnostic Investigation* 21, 633-640.

Richardson, E.K.B., More, S.J., 2009. Direct and indirect effects of Johne's disease on farm and animal productivity in an Irish dairy herd. *Irish Veterinary Journal* 62, 526-532.

Richardson, E.K.B., Mee, J.F., Sanchez, C., Crilly, J., More, S.J., 2009. Demographics of animals positive to *Mycobacteria avium* subspecies *paratuberculosis* on faecal culture, based on laboratory submissions to the Cork Regional Veterinary Laboratory during 1989 to 2006. *Irish Veterinary Journal* 62, 398-405.

Richardson, I.W., Bradley, D.G., Higgins, I.M., More, S.J., McClure, J., Berry, D.P., 2014. Variance components for susceptibility to *Mycobacterium bovis* infection in dairy and beef cattle. *Genetics Selection Evolution* 46, 77.

* Robinson, P.A., Corner, L.A.L., Courcier, E.A., McNair, J., Artois, M., Menzies, F.D., Abernethy, D.A., 2012. BCG vaccination against tuberculosis in European badgers (*Meles meles*): A review. *Comparative Immunology, Microbiology and Infectious Diseases* 35, 277-287.

Rortais, A., Arnold, G., Dorne, J.-L., More, S.J., Sperandio, G., Streissl, F., Szentes, C., Verdonck, F., 2017. Risk assessment of pesticides and other stressors in bees: Principles, data gaps and perspectives from the European Food Safety Authority. *Science of The Total Environment* 587-588, 524-537.

Rousseau, R., McGrath, G., McMahon, B.J., Vanwambeke, S.O., 2017. Multi-criteria decision analysis to model *Ixodes ricinus* habitat suitability. *EcoHealth* 14, 591-602.

** Ryan, E., Kirby, M., Clegg, T., Collins, D.M., 2011. Seroprevalence of *Coxiella burnetii* antibodies in sheep and goats in the Republic of Ireland. *Veterinary Record* 169, 280.

** Ryan, E., McGrath, G., Sheridan, H., More, S.J., Aznar, I., 2012. The epidemiology of bovine spongiform encephalopathy in the Republic of Ireland before and after the reinforced feed ban. *Preventive Veterinary Medicine* 105, 75-84.

CVERA Board of management

* **The TB Diagnostics and Immunology Research Centre and The Badger Vaccine Project**

** **DAFM Veterinary Laboratory Service**

*** **UCC School of Biological, Earth and Environmental Sciences**

**** **The School of Natural Sciences, Trinity College Dublin**

** Ryan, E.D., Kirby, M., Collins, D.M., Sayers, R., Mee, J.F., Clegg, T., 2011. Prevalence of *Coxiella burnetii* (Q fever) antibodies in bovine serum and bulk-milk samples. *Epidemiology and Infection* 139, 1413-1417.

Ryan, E.G., Dwyer, P.J., Connolly, D.J., Fagan, J., Costello, E., More, S.J., 2008. Tuberculosis in alpaca (*Lama pacos*) in Ireland. 1. A clinical report. *Irish Veterinary Journal* 61, 527-531.

Ryan, E.G., Leonard, N., O'Grady, L., Doherty, M.L., More, S.J., 2012. Herd-level risk factors associated with *Leptospira* Hardjo seroprevalence in beef/suckler herds in the Republic of Ireland. *Irish Veterinary Journal* 65, 6.

Ryan, E.G., Leonard, N., O'Grady, L., More, S.J., Doherty, M.L., 2012. Seroprevalence of *Leptospira* Hardjo in the Irish suckler cattle population. *Irish Veterinary Journal* 65, 8.

** Ryan, E.D., Wrigley, K., Hallinan, A., McGrath, G., Clegg, T.A., 2018. Antibodies to *Coxiella burnetii* in Irish bulk tank milk samples. *Veterinary Record* 182, 550.

* Salguero, F.J., Lesellier, S., Nuñez, A., Corner, L., Crawshaw, T., Chambers, M., 2010. Intramuscular BCG Vaccination Reduces Significantly the Pathology Induced by *Mycobacterium bovis* in Badgers (*Meles meles*). *Journal of Comparative Pathology* 143, 347.

* Schiller, I., Vordermeier, H.M., Waters, W.R., Whelan, A.O., Coad, M., Gormley, E., Buddle, B.M., Palmer, M., Thacker, T., McNair, J., Welsh, M., Hewinson, R.G., Oesch, B., 2010. Bovine tuberculosis: Effect of the tuberculin skin test on *in vitro* interferon gamma responses. *Veterinary Immunology and Immunopathology* 136, 1-11.

* Schiller, I., Waters, W.R., Vordermeier, H.M., Jemmi, T., Welsh, M., Keck, N., Whelan, A., Gormley, E., Boschioli, M.L., Moyon, J.L., Vela, C., Cagiola, M., Buddle, B.M., Palmer, M., Thacker, T., Oesch, B., 2011. Bovine tuberculosis in Europe from the perspective of an officially tuberculosis free country: trade, surveillance and diagnostics. *Veterinary Microbiology* 151, 153-159.

* Schoening, J.M., Corner, L.A.L., Messam, L.L.M., Cassidy, J.P., Wolfe, A., 2018. Environmental dust inhalation in the European badger (*Meles meles*): Systemic distribution of silica-laden macrophages, pathological changes, and association with *Mycobacterium bovis* infection status. *PLoS One* 13, e0190230.

Sergeant, E.S.G. McAloon, C.C., Tratalos, J., Citer, L.R., Graham, D.A., More, S.J., 2018. Evaluation of national surveillance methods for detection of dairy herds infected with *Mycobacterium avium* subspecies *paratuberculosis*. *Journal of Dairy Science* (in press).

Shanahan, A., Good M., Duignan A., Curtin, T., More, S.J., 2011. Tuberculosis in goats on a farm in Ireland: epidemiological investigation and control. *Veterinary Record* 168, 485.

Sheridan, H.A., McGrath, G., White, P., Fallon, R., Shoukri, M.M., Martin, S.W., 2005. A temporal-spatial analysis of bovine spongiform encephalopathy in Irish cattle herds, from 1996 to 2000. *Canadian Journal of Veterinary Research* 69, 19-25.

Sheridan, M., 2011. Progress in tuberculosis eradication in Ireland. *Veterinary Microbiology* 151, 160-169.

* Sheridan, M.P., Browne, J.A., MacHugh, D.E., Costello, E., Gormley, E., 2012. Impact of delayed processing of bovine peripheral blood on differential gene expression. *Veterinary Immunology and Immunopathology* 145, 199-205.

CVERA Board of management

* **The TB Diagnostics and Immunology Research Centre and The Badger Vaccine Project**

** **DAFM Veterinary Laboratory Service**

*** **UCC School of Biological, Earth and Environmental Sciences**

**** **The School of Natural Sciences, Trinity College Dublin**

- * Sheridan, M.P., Browne, J.A., Doyle, M.B., Fitzsimons, T., McGill, K., Gormley, E., 2017. IL-10 suppression of IFN- γ responses in tuberculin-stimulated whole blood from *Mycobacterium bovis* infected cattle. *Veterinary Immunology and Immunopathology* 189, 36-42.
- # Sheridan, M., Good, M., More, S.J., Gormley, E., 2014. The impact of an integrated wildlife and bovine tuberculosis eradication program in Ireland. In *Zoonotic tuberculosis: mycobacterium bovis and other pathogenic mycobacteria*, 323-340, 3rd edition, Thoen, C.O., Steele, J.H., Kaneene, J.B., (editors), Wiley-Blackwell, Iowa, USA.
- * Shuralev, E., Quinn, P., Doyle, M., Duignan, A., Kwok, H.F., Bezos, J., Olwill, S.A., Gormley, E., Aranaz, A., Good, M., Davis, W.C., Clarke, J., Whelan, C., 2012. Application of the Enfer Chemiluminescent Multiplex ELISA System for the detection of *Mycobacterium bovis* infection in goats. *Veterinary Microbiology* 154, 292-297.
- *** Sleeman, D.P., Collins, D.M., Davenport, J., 2012. What proportion of badgers (*Meles meles*) are killed on roads in rural areas in the Republic of Ireland? *Mammal Notes* Note 6, 1-4.
- *** Sleeman, D.P., Collins, D.M., Davenport, J., 2014. Where and when badger (*Meles meles*) road casualties occurred in the Four Area Study. *Irish Naturalists' Journal* 33, 119-123.
- *** Sleeman, D.P., Davenport, J., Cussen, R., Hammond, R.F., 2009. The small-bodied badgers (*Meles meles* (L.)) of Rutland Island, Co. Donegal. *Irish Naturalists' Journal* 30, 1-6.
- *** Sleeman, D.P., Davenport, J., More, S.J., Clegg, T.A., Collins, J.D., Martin, S.W., Williams, D.H., Griffin, J.M., O'Boyle, I., 2009. How many Eurasian badgers *Meles meles* L. are there in Ireland? *European Journal of Wildlife Research* 55, 333-344.
- *** Sleeman, D.P., Davenport, J., More, S.J., Clegg, T.A., Griffin, J.M., O'Boyle, I., 2009. The effectiveness of barriers to badger *Meles meles* immigration in the Irish Four Area project. *European Journal of Wildlife Research* 55, 267-278.
- *** Sleeman, D.P., Partridge, T., O'Boyle, I., Gormley, E., Toolan, D., 2010. The badgers (*Meles meles* (L.)) of Little Island, Co. Waterford. *Irish Naturalists' Journal* 31, 94-99.
- * Southey, A., Costello, E., Gormley, E., 2002. Detection of *Mycobacterium bovis* infection and production of interleukin-2 by in vitro stimulation of badger lymphocytes. *Veterinary Immunology and Immunopathology* 87, 73-78.
- * Southey, A. K., Sleeman, D.P., Gormley, E., 2002. Sulfadimethoxine and rhodamine B as oral biomarkers for European badgers (*Meles meles*). *Journal of Wildlife Diseases* 38, 378-384.
- * Southey, A., Sleeman, D.P.S., Dalley, D., Lloyd, K., Chambers, M., Hewinson, R.G., Gormley, E., 2001. Immunological responses of Eurasian badgers (*Meles meles*) vaccinated with *Mycobacterium bovis* BCG (Bacille Calmette Guerin). *Veterinary Immunology and Immunopathology* 79, 197-207.
- Stott, A.W., Humphry, R.W., Gunn, G.J., Higgins, I., Hennessey, T., O'Flaherty, J., Graham, D.A., 2012. Predicted costs and benefits of eradicating BVDV from Ireland. *Irish Veterinary Journal* 65, 12.
- * Taraktsoglou, M., Szalabska, U., Magee, D.A., Browne, J.A., Sweeney, T., Gormley, E., MacHugh, D.E., 2011. Transcriptional profiling of immune genes in bovine monocyte-derived macrophages exposed to bacterial antigens. *Veterinary Immunology and Immunopathology* 140, 130-139.

CVERA Board of management

* **The TB Diagnostics and Immunology Research Centre and The Badger Vaccine Project**

** **DAFM Veterinary Laboratory Service**

*** **UCC School of Biological, Earth and Environmental Sciences**

**** **The School of Natural Sciences, Trinity College Dublin**

Teixeira, D.L., Harley, S., Hanlon, A., O'Connell, N.E., More, S.J., Manzanilla, E.G., Boyle, L.A., 2016. Study on the association between tail lesion score, cold carcass weight and viscera condemnations in slaughter pigs. *Frontiers in Veterinary Science* 3, 24.

Thulke, H.-H., Lange, M., Tratalos, J.A., Clegg, T.A., McGrath, G., O'Grady, L., O'Sullivan, P., Doherty, M.L., Graham, D.A., More, S.J., 2018. Eradicating BVD, reviewing Irish programme data and model predictions to support prospective decision making. *Preventive Veterinary Medicine* 150, 151-161.

Tratalos, J.A., Barrett, D.J., Clegg, T.A., O'Neill, R.G., McGrath, G., Lane, E.A., More, S.J., 2018. Sampling methodology to maximise the efficient use of national abattoir surveillance: using archived sera to substantiate freedom from bluetongue virus infection in Ireland. *Frontiers in Veterinary Science* 5, 261.

Tratalos, J.A., Graham, D., More, S.J., 2017. Patterns of calving and young stock movement in Ireland and their implications for BVD serosurveillance. *Preventive Veterinary Medicine* 142, 30-38.

Tratalos, J.A., Haines-Young, R., Potschin, M., Fish, R., Church, A., 2016. Cultural ecosystem services in the UK: Lessons on designing indicators to inform management and policy. *Ecological Indicators* 61, Part 1, 63-73.

Tratalos, J.A., Thulke, H.-H., Graham, D.A., Gonzalo, M.G., More, S.J., 2018. Decision support beyond total savings - Eligibility and potential savings for individual participants from changes in the national surveillance strategy for bovine viral diarrhoea (BVD) in Ireland. *Preventive Veterinary Medicine* 155, 38-44.

* Waters, W.R., Buddle, B.M., Vordermeier, H.M., Gormley, E., Palmer, M.V., Thacker, T.C., Bannantine, J.P., Stabel, J.R., Linscott, R., Martel, E., Milian, F., Foshaug, W., Lawrence, J.C., 2011. Development and evaluation of an enzyme-linked immunosorbent assay for use in the detection of bovine tuberculosis in cattle. *Clinical and Vaccine Immunology* 18, 1882-1888.

Wee, S-H., Kim, C-H., More, S.J., Nam, H-M., 2010. *Mycobacterium bovis* in Korea: An update. *The Veterinary Journal* 185, 347-350.

Wee, S-H., Nam, H-M., Moon, O-K. Yoon, H., Park, J.Y., More, S.J., 2008. Using field-based epidemiological methods to investigate FMD outbreaks: an example from the 2002 outbreak in Korea. *Transboundary and Emerging Diseases* 55, 404-410.

Wee, S-H., Yoon, H., More, S.J., Nam, H-M., Moon, O-K., Jung, J-M., Kim, S-J., Kim, C-H., Lee, E-S., Hwang, I-J., 2008. Epidemiological characteristics of the 2002 outbreaks of foot-and-mouth disease in the Republic of Korea. *Transboundary and Emerging Diseases* 55, 360-368.

White, P., Frankena, K., O'Keeffe, J., More, S.J., Martin, S.W., 2010. Predictors of the first between-herd animal movement for cattle born in 2002 in Ireland. *Preventive Veterinary Medicine* 97, 264-269.

White, P.W., Martin, S.W., de Jong, M.C.M., O'Keeffe, J., More, S.J., Frankena, K., 2013. The importance of 'neighbourhood' in the persistence of bovine tuberculosis in Irish cattle herds. *Preventive Veterinary Medicine* 110, 346-355.

* Whiteoak, A.M., Ideozu, J., Alkathiry, H., Tomlinson, A.J., Delahay, R.J., Cowen, S., Mullineaux, E., Gormley, E., Birtles, R.J., Lun, Z.R., Hide, G., 2018. Investigation into the

CVERA Board of management

* **The TB Diagnostics and Immunology Research Centre and The Badger Vaccine Project**

** **DAFM Veterinary Laboratory Service**

*** **UCC School of Biological, Earth and Environmental Sciences**

**** **The School of Natural Sciences, Trinity College Dublin**

genetic diversity in toll-like receptors 2 and 4 in the European badger *Meles meles*. *Research in Veterinary Science* 119, 228-231.

* Whyte, P., McGill, K., Collins, J.D., Gormley, E., 2002. The prevalence and PCR detection of *Salmonella* contamination in raw poultry. *Veterinary Microbiology* 89, 53-60.

Willeberg, P.W., McAloon, C.G., Houtsma, E., Higgins, I., Clegg, T.A., More, S.J., 2018. The herd-level sensitivity of abattoir surveillance for bovine tuberculosis: simulating the effects of current and potentially modified meat inspection procedures in Irish cattle. *Frontiers in Veterinary Science* 5, 82.

Williams, E.J., Sibley, K., Miller, A.N., Lane, E.A., Fishwick, J., Nash D.M., Herath, S., England, G.C.W., Dobson, H., Sheldon, I.M., 2008. The effect of *Escherichia coli* lipopolysaccharide and tumour necrosis factor alpha on ovarian function. *American Journal of Reproductive Immunology* 60, 462-473.

Wolfe, D.M., Berke, O., More, S.J., Kelton, D.F., White, P.W., O'Keeffe, J.J., Martin, S.W., 2009. The risk of a positive test for bovine tuberculosis in cattle purchased from herds with and without a recent history of bovine tuberculosis in Ireland. *Preventive Veterinary Medicine* 92, 99-105.

Wolfe, D.M., Berke, O., Kelton, D.F., White, P.W., More, S.J., O'Keeffe, J., Martin, S.W., 2010. From explanation to prediction: developing a predictive model for recurrent bovine tuberculosis in Irish cattle herds. *Preventive Veterinary Medicine* 94, 170-177.

Yatabe, T., More, S.J., Geoghegan, F., McManus, C., Hill, A.E., Martínez-López, B., 2015. Characterization of the live salmonid movement network in Ireland: Implications for disease prevention and control. *Preventive Veterinary Medicine* 122, 195-204.

Yatabe, T., More, S.J., Geoghegan, F., McManus, C., Hill, A.E., Martínez-López, B., 2018. Can biosecurity and local network properties predict pathogen species richness in the salmonid industry? *PLoS One* 13, e0191680.

Yoon, H., Moon, O.K., More, S.J., Park, C.K., Park, J.Y., Lee, Y.J., Lee, S.D., Ha, J.K., Jeong, S.K., Jeong, J.W., Lee, S.J., 2010. An outbreak of highly pathogenic avian influenza at a public animal exhibit in Seoul, Korea during 2008. *Zoonoses and Public Health* 57, 142-145.

* Young, J.S., Gormley, E., Wellington, E.M.H., 2005. Molecular detection of *Mycobacterium bovis* and *Mycobacterium bovis* BCG (Pasteur) in soil. *Applied and Environmental Microbiology* 71, 1946-1952.

Zintl, A., McGrath, G., O'Grady, L., Fanning, J., Downing, K., Roche, D., Casey, M., Gray, J.S., 2014. Changing epidemiology of the tick-borne bovine parasite, *Babesia divergens*. *Parasites & Vectors* 7 (Suppl 1), 08.

Zintl, A., McGrath, G., O'Grady, L., Fanning, J., Downing, K., Roche, D., Casey, M., Gray, J.S., 2014. Changing incidence of bovine babesiosis in Ireland. *Irish Veterinary Journal* 67, 19.

CVERA Board of management

* **The TB Diagnostics and Immunology Research Centre and The Badger Vaccine Project**

** **DAFM Veterinary Laboratory Service**

*** **UCC School of Biological, Earth and Environmental Sciences**

**** **The School of Natural Sciences, Trinity College Dublin**