

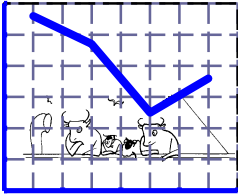
Recent advances in animal welfare science V

UFAW Animal Welfare Conference

York Merchant Adventurers' Hall UK, 23rd June 2016

Posters:

- **Alabi OM, FA Aderemi, MO Ayoola and SO Akinoso** (Bowen University and University of Ibadan, Nigeria; University of Stellenbosch, South Africa)
Alternative housing systems; influence on performance characteristics of egg-type chickens in humid tropics
- **Andre ES JH Guy, AP Beard, W Taylor and MA Velazquez** (Newcastle University, UK)
Do episodes of maternal production disease have a negative impact on health and welfare of the offspring of dairy cows?
- **Arena L, F Wemelsfelder, S Messori, N Ferri and S Barnard** (University of Teramo and Istituto Zooprofilattico Sperimentale dell'Abruzzo e del Molise 'G. Caporale', Italy; Scotland's Rural College and Queen's University Belfast, UK)
Emotional state in shelter dogs: Using qualitative behavioural assessment as a welfare measure
- **Barnard S, L Candeloro, S Messori, P Dalla Villa and A Giovannini** (Istituto Zooprofilattico Sperimentale dell'Abruzzo e del Molise 'G. Caporale', Italy)
Development of an estimation method for free-roaming dog population in urban areas
- **Barrett LA and D Blache** (The University of Western Australia, Australia)
Pre-laying behaviour of nest-laying and floor-laying Pekin ducks
- **Battini M, S Barbieri, A Vieira, G Stilwell, T Nunes and S Mattiello** (Università degli Studi di Milano, Italy; Universidade de Lisboa, Portugal)
Relationship between risk factors and animal-based welfare indicators in intensive dairy goat farms
- **Belshaw Z, R Dean and LA Asher** (Universities of Nottingham and Newcastle, UK)
Owners searching the internet: threat to vets or helping pets?
- **Blache D, C Duplessy, C Bin and C Dunlap** (The University of Western Australia, Australia)
Identifying and reducing stress in alpacas (*Vicugna pacos*)
- **Bowman A, FJ Dowell and NP Evans** (University of Glasgow, UK)
The effect of auditory stimulation on stress levels of dogs kennelled in a rescue centre
- **Brayley C and VT Montrose** (Hartpury College, UK)
The effects of audiobooks on the behaviour of dogs at a rehoming kennels
- **Clark B, GB Stewart, LA Panzone and LJ Frewer** (Newcastle University, UK)
Consumer willingness-to-pay and attitudes for farm animal welfare: A systematic review and meta-analysis
- **Clark CCA, R Crump, AL Kilbride and LE Green** (University of Warwick, UK)
Membership of herd health and retailer schemes associated with greater compliance at DEFRA animal welfare inspections
- **Clifton R, LE Green and KJ Purdy** (University of Warwick, UK)
The role of *Fusobacterium necrophorum* in sheep and the environment in the severity and persistence of footrot
- **Cobb ML, MD Marques, AC Lill and PC Bennett** (Monash University and La Trobe University, Australia)
Measuring animal welfare – do you mean it? Introducing group based trajectories to the assessment of animal welfare



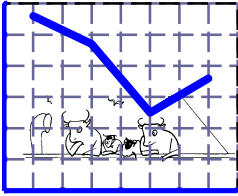
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Posters (continued):

- **Corke MJ, KM McLennan, G Stilwell and D Lebelt** (Universities of Cambridge and Chester, UK; Technical University of Lisbon, Portugal; Havelland Equine Hospital, Germany)
Assessment of pain in sheep, goats and horses
- **Dalla Costa E, F Dai, D Stucke, D Lebelt, R Pascuzzo, S Vantini, M Leach and M Minero** (Università degli Studi di Milano and Politecnico di Milano, Italy; Havelland Equine Hospital, Germany; Newcastle University, UK)
The Horse Grimace Scale: A useful tool in veterinary practice?
- **Dobbs PJ, S Chapman and V Strong** (Twycross Zoo and University of Nottingham, UK)
Veterinary care of elderly animals in a medium sized zoological collection
- **East A, C Douglas and F Da Mata** (Newcastle University and Hadlow College, UK)
Comparing welfare of dogs in rescue shelters and owners homes using a pragmatic location-based cognitive bias task
- **Ellis CF, W McCormick and A Tinarwo** (Moulton College, University of Northampton and Hadlow College, UK)
Rabbit relinquishment to two UK rescue centres and beyond
- **Fenn KL, MLD Fallon and AC Riach** (Askham Bryan College, UK)
Is the olfactory enrichment-based technique, “Scent and Settle” beneficial to distressed dogs (*Canis lupus familiaris*) when left on their own in a home environment?
- **Finka L, F Bazyari, Y Tzimiropoulos, I Merola and D Mills** (Universities of Lincoln and Nottingham, UK)
Utilising recent advances in computer vision for the detection of pain in non-human animals: An exemplar using the cat
- **Freeman LM and CV Brigden** (Myerscough College, UK)
Implications of the inclusion of a non-ejected adolescent for stallion-mare courtship and species fitness behaviours in a Hartmann’s mountain zebra (*Equus zebra hartmannae*) herd
- **Garcia Pinillos R, MC Appleby, X Manteca, F Scott-Park, C Smith and A Velarde** (World Animal Protection, The Links Group and Farming Community Network, UK; Autonomous University of Barcelona and IRTA Monells, Spain)
One Welfare - A platform for improving human and animal welfare
- **Gartner MC and AJ Baker** (Philadelphia Zoo, USA)
Anticipatory behavior and choice by White-faced saki monkeys (*Pithecia pithecia*) and Mongoose lemurs (*Eulemur mongoz*) in a novel zoo trail system
- **Gaudy JD and LE Green** (University of Warwick, UK)
Development of a farm specific lameness control plan for sheep flocks
- **Giebel K, LE Green and KJ Purdy** (University of Warwick, UK)
Persistence of *Dichelobacter nodosus*, the causal agent of ovine footrot
- **Gómez Y, M Terranova, M Zähler, E Hillmann and P Savary** (Research Institute Agroscope and ETH Zürich, Switzerland; University of Hohenheim, Germany)
Influence of milking parlour size on behaviour of dairy cows
- **Graham JM, JH Guy, EL Buckland, PD McGreevy, PC Thomson, DB Church, DC Brodbelt and D O’Neill** (Newcastle University and The Royal Veterinary College, UK; University of Sydney, Australia)
Prevalence, risk factors and treatment of separation-related behaviour and noise phobia in domestic dogs



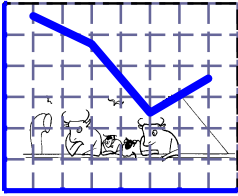
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Prevalence, risk factors and treatment of separation-related behaviour and noise phobia in domestic dogs
- **Gray R, S Butler, C Douglas and J Serpell** (Newcastle University, UK; University of Pennsylvania, USA)
Puppies from “puppy farms” show more temperament and behavioural problems than if acquired from other sources
- **Green JK, CL Witham and P Flecknell** (Newcastle University, UK)
Exploring nocturnal behaviour as a measure of welfare in laboratory Rhesus macaques, *Macaca mulatta*
- **Harris C, P White and S Lomax** (University of Sydney, Australia)
Electroencephalography for assessing pain and analgesia in sheep
- **Hatfield EJ, RJ Wilson and AC Riach** (Askham Bryan College, UK)
Will the growth rate and welfare of intensively kept pigs (*Sus scrofa domesticus*) improve with the addition of a basketball as a new form of enrichment?
- **Hitchens PL, J Hultgren, J Frössling, U Emanuelson and LJ Keeling** (Swedish University of Agricultural Sciences and National Veterinary Institute, Sweden)
Circus and zoo animal welfare in Sweden
- **Holmes L and A Moss** (Chester Zoo, UK)
Multi-disciplinary evaluation techniques to assess the impact of new exhibits on captive animal welfare
- **Isaksen KE, NP Evans, P Hastie, J Orr and DEF McKeegan** (University of Glasgow, UK)
Welfare assessment of sheep (*Ovis aries*) after single-stage ruminal fistulation surgery
- **Kahn S, P Dalla Villa, F De Massis and L Stuardo** (World Organisation for Animal Health; Istituto Zooprofilattico Sperimentale dell'Abruzzo e del Molise 'G. Caporale', Italy)
OIE guidelines on disaster management and risk reduction in relation to animal health and welfare and veterinary public health
- **Kahn S, F Galindo, T Tadich and L Stuardo** (World Organisation for Animal Health; National Autonomous University of Mexico, Mexico)
Draft OIE standard on the welfare of working equids
- **Langridge AJ, B MacCallum and CC Burn** (The Royal Veterinary College, UK)
Veterinary professionals report lack of education and confidence regarding pain scoring and analgesia for rabbits and guinea pigs
- **Laws GC and MO Cunningham** (University of Newcastle, UK)
Investigating mother-pup interactions and *in vitro* electrophysiological analysis in cross-fostered rodents
- **Liu N, H O'Kane, J Kaler, E Fergusson and LE Green** (Universities of Warwick and Nottingham, UK)
Farmers' attitudes to sanctions and rewards as motivators to reduce lameness in sheep
- **Lomax S, P White and C Harris** (University of Sydney, Australia)
Topical anaesthesia reduces wound sensitivity following castration in piglets



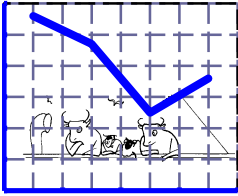
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- **Lundmark F, J Hultgren, H Röcklinsberg and C Berg** (Swedish University of Agricultural Sciences, Sweden)
Animal welfare non-compliance at Swedish dairy farms according to two different control systems
- **María GA, B Mazas, FJ Zarza and MJ Bernuz** (University of Zaragoza, Spain)
People's perception about bullfighting in Spain
- **McAlpin L** (Colchester Zoo, UK)
The integration of five unrelated Red ruffed lemurs (*Varecia rubra*) females into one social group
- **McCarthy D, S Lomax and PJ White** (University of Sydney, Australia)
The effect of a topical anaesthetic and a buccal non-steroidal anti-inflammatory drug on inflammation, wound healing and average daily gain of surgically castrated calves
- **McGowan RLJ and JE Lock** (University of Southampton, UK)
An investigation into environmental enrichment: The effects of canopies on the behaviour of kennelled Hearing Dogs in training
- **McMillan FD** (Best Friends Animal Society, USA)
Why social separation hurts in social animals: evidence for a neurocognitive overlap of physical and social pain
- **Milner IAL, AC Riach and JL Prebble** (Askham Bryan College, UK)
An investigation identifying the influencing factors and the consumer choices that affect the adoption rates of dogs (*Canis lupus familiaris*) within a UK rescue centre
- **Nawroth C, L Baciadonna and AG McElligott** (Queen Mary University of London, UK)
Human demonstrator facilitates detour performance in domestic goats
- **Newton JE** (University of Glasgow, UK)
Welfare and enrichment in captive-reared amphibians: A behavioural and enclosure use study using the Trinidadian monkey frog (*Phyllomedusa trinitatis*)
- **O'Kane H, E Ferguson, J Kaler, A KilBride and L Green** (Universities of Warwick and Nottingham, UK)
Associations between farmer opinions, emotions and personality and barriers to uptake of best practice by sheep farmers: The example of footrot
- **O'Neill DG, S Jarvis, AJ Craven, C Boyd, DB Church, PD McGreevy, PC Thomson and DC Brodbelt** (The Royal Veterinary College and Scotland's Rural College, UK; University of Sydney, Australia)
Undesirable behaviours in dogs: gaining new perspectives from primary-care veterinary clinical data
- **Orritt R, TE Hogue and DS Mills** (University of Lincoln, UK)
Identifying risk factors for human directed aggressive behaviour in dogs
- **Owles C, A Murton, J Harris and S Kelly** (University of Nottingham, UK)
Investigating degenerative joint disease and pain in commercial pigs
- **Oxley JA, CF Ellis, A McBride and WD McCormick** (Moulton College and University of Southampton, UK)
A review of handling methods of rabbits within pet, laboratory and veterinary contexts



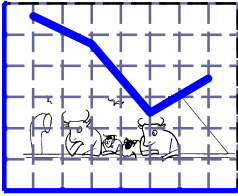
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- **Pettersson IC, CA Weeks and CJ Nicol** (University of Bristol, UK)
Presence of a ramp reduces frustration-related behaviours when traversing levels in loose-housed hens
- **Pizzey R, S Prior, Z Logan, J Thompson and I Vincent** (The Royal Veterinary College, UK)
The use of subcutaneous meloxicam injections in reduction of pain related behaviours and improvement of growth rates in neonatal lambs
- **Qureshi MZ and A Khan** (The Brooke Peshawar, Pakistan)
Improving equine welfare through empowering women equine owners in Peshawar district, Pakistan
- **Reaney SJ, H Zulch, DS Mills, S Gardner and LM Collins** (University of Lincoln, UK)
Personality, health and behaviour in the domestic dog
- **Rebelo CB, S Abeyesinghe and T Gibson** (The Royal Veterinary College, UK)
Survey of electrical stunning systems used by small scale producer/processors for turkeys, ducks and geese in the UK
- **Ribikauskas V, V Macijauskiene and J Kucinskiene** (Lithuanian University of Health Sciences, Lithuania)
Assessment of nervous activity type and status of horses
- **Roberts FG, AJ Lucas and P Alexandrin** (Integra Food Secure, UK; NSF International, USA)
Implementation of welfare certification in a non-food sector: Inspection challenges
- **Samet LE and W McCormick** (Moulton College and University of Northampton, UK)
The use of calming nutraceuticals in animal welfare: Sedative versus anxiolytic impact
- **Sousa NR, ACS Aguiar, SPPL Luna and JCP Ferreira** (Sao Paulo State University, Brazil)
How animal science and veterinary medicine students from Sao Paulo University perceive animal moral status
- **Souza APO, LP Buss, LA Novo and CFM Molento** (Federal University of Paraná and Ministry of Agriculture, Livestock and Food Supply, Brazil)
Broiler chicken welfare outcomes based on slaughter condemnation data in Brazil
- **Stavarakakis S, DA Sandercock, FE Watt, EF Paterson, SA Hall, JE Coe, S Kelly, SA Edwards and JH Guy** (Newcastle University, Scotland's Rural College and Universities of Oxford and Nottingham, UK)
Validation of lameness and joint inflammatory response biomarkers in growing pigs
- **Studer BHP and J Volstorf** (fair-fish international, Switzerland)
Ethology database for improvements in fish welfare
- **Tamioso PR, DS Rucinke, APO Souza, GP Silva, CA Taconelli, TC Bergstein and CFM Molento** (Federal University of Paraná, Brazil)
Sheep perceive brushing as a positive stimulus: study of behavioural responses and nasal temperature
- **Tribe A and L Clay** (University of Queensland, Australia)
Stress responses of dogs surrendered to the RSPCA animal shelter in Brisbane, Queensland
- **Wensley S, V Betton, R Casey and N Martin** (People's Dispensary for Sick Animals, UK)
Promoting animal welfare and ethics in veterinary practice



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- **Williams CJA, LE James, CAC Leite, D Monteiro, MF Bertelsen and T Wang** (Aarhus University and Copenhagen Zoo, Denmark; University of São Carlos, Brazil)
The physiological effects of morphine in the South American rattlesnake *Crotalus durissus*
- **Williams DL and D Bowles** (Universities of Cambridge and Nottingham, UK)
Is this euthanasia acceptable? A questionnaire evaluation of opinions on euthanasia of dogs in different situations
- **Williams DL and S Cheshire** (Universities of Cambridge and Liverpool, UK)
Differences in behaviour of blind and sighted Tawny owls (*Strix aluco*) in a raptor rehabilitation centre: Possible indicators of welfare compromise in blind birds?
- **Witham CL** (Newcastle University and MRC Centre for Macaques, UK)
Face recognition: using techniques from computer vision to monitor welfare in macaques