MEASURING ANIMAL WELFARE AND APPLYING SCIENTIFIC ADVANCES - WHY IS IT STILL SO DIFFICULT?

UFAW International Symposium 27th-29th June 2017
Royal Holloway, University of London, Surrey, UK

List of posters

Poster session 1 on 27th June. Begins 13.20.
Poster session 2 on 28th June. Begins at 13.20.
Poster session 3 on 29th June. Begins at 13.00.

Poster session

27th Addison IE and LH Thomas (Veterinary Association for Wildlife Management, UK)
Is there wild animal welfare? If so, when and what to worry about?

(University of Lincoln, Cambridge and Leeds, Royal Veterinary College, UK)
Epidemiology of canine osteoarthritis (OA) in the UK dog population as assessed at primary veterinary consultations

28th Arena L, GV Berteselli, S Messori and N Ferri (Istituto Zooprofilattico Sperimentale di Abruzzo e Molise and University of Teramo, Italy)
Development of a welfare assessment protocol for cats housed in rescue shelters. A preliminary study

27th Arndt SS and VC Goerlich-Jansson (Utrecht University, The Netherlands)
Assessing risks – which factors may affect animal welfare?

28th Autier-Dérian D (Animal Welfare Consulting - Lyon, France)
Quantitative and qualitative data go hand-in-hand

28th Autier-Dérian D, A Levieuge, E Fontaine, M Freulon, S Boue, C Quain, G Trombini and G Florence (France Animal Welfare Consulting – Lyon and Service de Santé des Armées, France)
Welfare assessment for military dogs

29th Bacon HJ, H Walters, V Vancia and N Waran (University of Edinburgh, UK)
Development of a robust canine welfare assessment for dogs in trap-neuter-return programmes

29th Baciadonna L and AG McElligott (Queen Mary University of London, UK)
Goats discriminate emotion-linked calls based on valence

27th Barnard S, DL Wells, PG Hepper and C Burani (Queen’s University Belfast, UK; Università degli Studi di Parma, Italy)
Motor and structural lateralisation as measures of stress in dogs entering a kennel environment

27th Battini M, E Canali, F Dai, M Dalla Costa, C Dwyer, S Mattiello, M Minero and F Wemelsfelder
(Università degli Studi di Milano, Italy; SRUC, UK)
The on-farm application of qualitative behaviour assessment to goats, sheep, donkeys and horses in the AWIN project

28th Baur Y, SJ Vick, A Weiss and HM Buchanan-Smith (Universities of Stirling and Edinburgh, UK)
An inter-disciplinary approach to measure positive welfare in captive gorillas

29th Bell LJ (Myerscough College and Blackpool Zoo, UK)
Can we use faecal corticosterone to measure the physiological stress response of transferred panthera in zoological collections? How stressful is transfer?
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<td>Universities of Melbourne, Adelaide and Sydney, South Australian Research and Development Institute, Rivalea Australia and CSIRO, Australia</td>
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<td>Massey University, New Zealand</td>
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<td>University of Alcalá and Universitat Autònoma de Barcelona, Spain</td>
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Poster session

28th  Ferreira JM, IAS Olsson and AM Valentim (Universidades do Porto and de Trás-os-Montes e Alto Douro, Portugal)
A less aversive anaesthetic to adult zebrafish

27th  Franco NH and IAS Olsson (Universidade do Porto, Portugal)
Non-invasive infrared thermography for welfare assessment of laboratory rodents

28th  Green J and C Witham (Newcastle University and Medical Research Council Center for Macaques, UK)
Filling in the gaps: considering nocturnal behaviour patterns in assessments of captive primate welfare

29th  L Greening, E Habershon, S Collop-Smith and T Ghaye (Hartpury University Centre, UK)
Perceptions of positive equine welfare

29th  Hammerschmidt J and CFM Molento (Federal University of Paraná, Brazil)
Protocol for expert report on animal welfare as support for court decisions in case of animal cruelty suspicion

27th  Harrison J, MLD Fallon and A Riach (Askham Bryan College, UK)
The importance of access to outdoor space for domestic cats (Felis catus) in a rescue centre

28th  Hitchens PL, J Hultgren, J Frössling, U Emanuelsen and LJ Keeling (Swedish University of Agricultural Sciences and National Veterinary Institute, Sweden; University of Melbourne, Australia)
Improving animal welfare inspections by using epidemiological methods

29th  James C, LG Asher and J Wiseman (University of Nottingham and Newcastle University, UK)
The impact of ultraviolet wavelengths on broiler chicken welfare indicators

28th  Kophamel S, M Martinez-Novoa and GA Maria (University of Zaragoza, Spain)
The human-pet bond. From beginning to end. A Spanish survey

28th  Leung V, E Zhang and DSJ Pang (Universities of Montréal and Saskatchewan, Canada)
Real-time application of the Rat Grimace Scale as a welfare refinement in laboratory rats

27th  Lima MLP, JA Negrao, T Grandin, AP Freitas and CCP Paz (Instituto de Zootecnia and Universidade de São Paulo, Brazil; Colorado State University, USA)
Easy assessments to measure the welfare improvement in handling facilities of livestock farm

27th  Lima MLP, JA Negrao, T Grandin, AP Freitas and CCP Paz (Instituto de Zootecnia and Universidade de São Paulo, Brazil; Colorado State University, USA)
What behaviour trait could be introduced to be used in a beef cattle experimental farm routine?

28th  Mackay AH, GM Cronin, M Singh, PJ Groves and D Phalen (The University of Sydney, Australia)
A pilot study: A microbiological approach to understanding feather pecking in laying hens

28th  Martin JE and DEF McKeegan (Universities of Edinburgh and Glasgow, UK)
The elusive boundary between consciousness and unconsciousness: Spectral analysis of EEG may hold the key
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29th Martinez CA, P Szenczi, L Pérez, R Hudson, ME Morones and M de L Alonso (Universidad Autónoma Metropolitana-Xochimilco, UATx, Universidad Nacional Autónoma de México and Unidad Médica Veterinaria de la Policía Montada de la CDMX, Mexico)
Evaluation of individual differences in the stress response to mother-young separation in the domestic horse

28th McLennan KM, MJ Corke and F Constantino-Casas (Universities of Chester and Cambridge, UK)
Biomarkers of pain - separating pain from inflammation

29th Mondon M, R Merle and C Thöne-Reineke (Freie Universität Berlin, Germany)
Systematic review on animal welfare indicators in dairy cattle to identify those of highest validity

27th Morgan K, A Wilkinson and J Cooper (University of Lincoln, UK)
Public perceptions of feline characteristics in re-homing shelters and the impact these have on adoption success

29th Newell KJ, J Chitty and FM D Henson (University of Cambridge and ‘Smartbell’, UK)
Use of real-time geo-location to remotely monitor locomotory behaviour as a potential proxy for well being in experimental sheep

28th Noble CE, LM Wiseman-Orr, AM Nolan, EM Scott and J Reid (NewMetrica Ltd, University of Glasgow and Edinburgh Napier University, UK)
Validation of a feline generic health-related quality of life instrument with an add on module for osteoarthritis

29th O’Neill DG, JF Summers, DB Church and DC Brodbelt (The Royal Veterinary College, UK)
Vetcompass: A new face for robust animal welfare research data

27th Oxley JA, CF Ellis, W McCormick and A McBride (Romford, Moulton College and Universities of Northampton and Southampton, UK)
A survey of common rabbit handling methods and reasons for their use

27th Oxley JA and SA Gaines (Romford and RSPCA, UK)
The welfare implications as a result of breed specific legislation in the UK

29th Perera BVP, JL Brown, C Thitaram, RPVJ Rajapakse and A Silva-Fletcher (The Elephant Transit Home and University of Peradeniya, Sri Lanka; Smithsonian Conservation Biology Institute, USA; Chiang Mai University, Thailand; The Royal Veterinary College, UK)
Calves using faecal corticosteroid metabolites as indicator at the Elephant Transit Home, Sri Lanka

28th Reaney SJ, H Zulch and LM Collins (University of Lincoln, UK)
Using pet owners in assessments about their pets personality and health status: Which human characteristics may influence responding

28th Reijgwart ML, NJ Schoemaker, MC Leach, CFM Hendriksen, M van der Meer, CM Vinke and YRA van Zeeland (Institute for Translational Vaccinology, Utrecht University, The Netherlands; Newcastle University, UK)
Development and validation of a Ferret Grimace Scale (FGS)
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29th  Riemer S, L Assis, T Pike and DS Mills (University of Bern, Switzerland; University of Lincoln, UK)
Are your ears burning when I’m not there? Distance monitoring of positive and negative affective states in dogs with infrared thermography

29th  Robbins JA, B Franks and MAG von Keyserlingk (University of British Columbia, Canada)
More than a feeling: an empirical challenge for descriptive, mental-state accounts of animal happiness

27th  Rose PE, J Linscott, S Banks and R Cromie (University of Exeter, Wildfowl and Wetland Trust, Sparsholt College Hampshire, UK)
Benchmarking positive welfare in commonly-housed zoo birds

28th  Sandri C, A Martini, S Normando, W Magnone, B Regaioli and C Spiezie (Parco Natura Viva – Garda Zoological Park and University of Padua, Italy)
Could animal behaviour and behavioural flexibility be measures of welfare of zoo animals: The case of a mixed-species exhibit of Watusi cattle in a safari park

27th  Schmitt O, LA Boyle, K O’Driscoll and EM Baxter (Teagasc, Ireland; University of Edinburgh and SRUC, UK)
Assessment of the emotional state of pigs reared artificially or by a sow

27th  Scullion Hall LEM, S Robinson and HM Buchanan-Smith (University of Stirling and AstraZeneca, UK)
Integrating measures of welfare in the laboratory-housed dog

27th  Sommerville R, M Upjohn, K Wells and A Thomas (Brooke Action for Working Horses and Donkeys, UK)
From paper to practice: Collaboration as impetus for implementation of the latest animal welfare concepts

29th  Spence CE, M Osman and AG McElligott (Queen Mary University of London, UK)
Public attitudes to animal sentience and welfare

28th  Spiezie C, C Vandelle, B Regaioli and C Sandri (Parco Natura Viva, Garda Zoological Park, Italy; University of Liège, Belgium)
How do we measure the effectiveness of environmental enrichment for zoo chimpanzees’ welfare?

29th  Stirling J (Edinburgh Napier University, UK)
Does the cage-trapping of corvids cause unnecessary suffering? A behavioural study of trapped magpies

28th  Stokes JE, DCJ Main, S Mullan, MJ Haskell, F Wemelsfelder and CM Dwyer (University of Bristol, SRUC, UK)
Collaborative development of positive welfare indicators with dairy cattle and sheep farmers

27th  Stomp M, S Henry and M Hausberger (Université de Rennes 1, France)
Are positive emotions reliable indicators of welfare in horses?

27th  Studer BHP, J Volstorf, MF Castanheira, JL Saraiva and P Arechavala-López (fair-fish international association, Switzerland; Mediterranean Institute for Advanced Studies, Spain)
FishEthoScore - Assessment of fish species’ potential for welfare in farming
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28th  Sutherland MA, GM Worth, M Stewart and KE Schütz (AgResearch Ltd., LIC and InterAg, New Zealand)
Leaving no stone unturned: Assessing the welfare of calves reared on stones

29th  Tamioso PR, A Boissy, X Boivin, H Chandêze, S Andanson, E Delval, CA Taconeli, GP Silva and CFM Molento (Federal University of Paraná - UFPR, Brazil; Institut National de la Recherche Agronomique – INRA, France)
Behavioral responses of sheep submitted to human presence and brushing

29th  Tanner N and A Marshall (University of York and Flamingo Land Ltd., UK)
Influence of husbandry and enclosure design on the welfare of captive giraffes

28th  Telkänranta H, A Koskela, S Somppi, MV Kujala, H Törnqvist, O Vainio and M Vainionpää (University of Helsinki, Aalto University and Veterinary Clinic Askel, Finland; University of Bristol, UK)
Thermography reveals emotional arousal in rats encountering highly preferred food

27th  Thorpe SKS, N Hanson, E Saunders, R Pietragello-Brown, C MacDonald, K Pullen and J Chappell (University of Birmingham, Twycross Zoo and BIAZA, UK)
An enclosure design tool to enable zoos to create integrated, wild-type enclosures for Great apes

27th  Ursinus WW, B Rietveld-Piepers, JH Bongers and THM Sijm (Netherlands Food and Consumer Product Safety Authority, The Netherlands)
Animal welfare risk assessment of the food supply chain

28th  Vandenabeele SP, RP Wilson and A Grogan (Swansea University and Royal Society for the Prevention of Cruelty to Animals, UK)
New technology can help assess stress levels of animals

28th  van der Laan JE, AS van der Wal, LM Bril, JAM van der Borg and CM Vinke (Utrecht and Wageningen University and Research, The Netherlands)
Canine welfare monitoring: evaluating nocturnal activity as an indicator of adaptability of dogs to a shelter environment

29th  van Rooijen J (Wageningen, The Netherlands)
Answers to questions concerning the scientific study of animal welfare and suffering

27th  Varner GE (Texas A&M University, USA)
A utilitarian framework for categorizing and assessing welfare improvement strategies

28th  Vogel CJ (The Chamber of Experts, UK)
Examining the animal – the starting point of welfare assessment

28th  Webber CE and PC Lee (University of Stirling, UK)
Behavioural development and play in elephant calves

29th  Wells DL, PG Hepper, ADS Milligan and S Barnard (Queen’s University Belfast, UK)
The value of paw preference as a measure of canine welfare

27th  Westen HR (World Horse Welfare, UK)
The ongoing horsemeat scandal
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29th  Williams CJA, LE James, W Joyce, C Taulbjerg, CAC Leite, MF Bertelsen and T Wang
(Aarhus and Copenhagen Universities and Copenhagen Zoo, Denmark; Federal University of São Carlos, Brazil)
Assessing acute and post-operative welfare in reptiles: Case studies in snakes and terrapins

27th  Witham CL (Newcastle University and MRC Centre for Macaques, UK).
Using automated video analysis to monitor social relationships in group-housed macaques

28th  Zhang E, V Leung and DSJ Pang (Universities of Saskatchewan and Montréal, Canada)
The influence of rater training on reliability when using the Rat Grimace Scale

28th  Zhang Y and CJC Phillips (University of Queensland, Australia)
Climatic influences on the mortality of sheep exported from Australia to the Middle East

28th  Zobel G and J Webster (AgResearch Ltd. and Massey University, New Zealand)
“Farming by phone” - Is there a risk that increasing use of technology will erode our obligations to care for animals?