



Recent advances in animal welfare science VIII

Virtual UFAW Animal Welfare Conference

29th- 30th June 2021

Timetable

All timings are GMT+1 / UTC+1/British Summer Time

Day 1. 29 th June 11.00am – 18.20pm		
11.00 -11.10 Introduction to meeting		
	Huw Golledge UFAW, UK	Welcome and Introduction
11.10 – 13.00 Session 1 Chair: Huw Golledge (UFAW, UK)		
11.10	Cynthia Schuck-Paim and WJ Alonso (The Welfare Metrics Project, Spain)	The need for longitudinal studies in animal welfare science: research gaps in the study of individual suffering in laying hens
11.35	A Trevarthen, E Finnegan, K Bučková, A Resasco, E Paul, M Mendl and Carole Fureix (University of Bristol, UK)	Do antidepressant and/or environmental enrichment reduce the time mice spend inactive but awake in their home cage?
12.00	Winfried Otten , S Heimbürge, A Tuchscherer and E Kanitz (Leibniz Institute for Farm Animal Biology, Germany)	Hair cortisol levels in pigs and cattle: Effects of long-term stress and potential confounding factors
12.25	Short presentations: 1 Liza Moscovice , B Sobczak, C Gladbach, U Gimsa and E Kanitz (Leibniz Institute for Farm Animal Biology, Germany) 2 Rebecca King , SM Matheson, EM Baxter and SA Edwards (Newcastle University, UK) 3 David Massey , CL Witham and M Bateson (Newcastle University, UK) 4 Jakob Winter , A Stratmann, M Toscano and C Nicol (RVC, UK) 5 Ayoola Famakinwa and OA Adebisi (University of Ibadan, Nigeria) 6 Vladislava Milchevskaya , P Bugnon, E ten Buren, F Brand, A Tresch and T Buch (University of Cologne, Germany) Q&A	1. Salivary oxytocin co-varies with maternal investment in domestic pigs (<i>Sus scrofa domestica</i>): An assay validation with welfare implications 2. Sow behaviour and piglet weight gain after late cross-fostering in farrowing crates and pens 3. Effect of weaning (age) on alopecia in a UK breeding facility of rhesus macaques (<i>Macaca mulatta</i>) 4. Piling behaviour in British layer flocks: Description and characteristics 5. Size of enrichment material influences behaviour of growing pigs 6. Improved group size planning of breedings of gene-modified animals
13.00- 13.50 Break and poster viewing		
13.50 – 15.30 Session 2 Chair: Pol Lluch (UAB, Spain)		
13.50	Kate Lewis , SD McBride, MO Parker and L Proops (University of Portsmouth, UK)	Risk factors for stereotypic behaviour in captive ungulates
14.15	Daniel O'Hagan and TV Smulders (Newcastle University, UK)	Assessing transient affective state using intracranial recordings of brain oscillations in poultry
14.40	Andrea Polanco , DL Pearl, L Niel, B McCowan and GJ Mason (University of Guelph, Canada)	What can abnormal behaviour teach us about captive animals' quality of life? Validating stereotypic behaviour as a cumulative welfare indicator in laboratory rhesus monkeys (<i>Macaca mulatta</i>)
15.05	Aileen MacLellan , A Resasco, MA Ayala, L Kitchenham, AM Edwards, S Lam, S DeJardin and G Mason (University of Guelph, Canada)	Glass half full? Validation and application of a novel judgement bias task for mice
15.30 – 16.10 Break and poster viewing		
16.10 – 18.20 Session 3 Chair Claire Witham (MRC Harwell, UK)		
16.10	Grace Fuller and J Hamilton (Detroit Zoological Society, USA)	Exploring oxidative stress as a potential indicator of animal welfare
16.35	UFAW Award Presentations Joy Mench (University of California, Davis, USA) ***2021 winner - UFAW Medal for 'Outstanding Contribution to Animal Welfare Science'***	UFAW Medal for 'Outstanding Contribution to Animal Welfare Science' and 'UFAW Early Career Researcher of the Year' Designing animal welfare standards and audits - finding the right balance by optimizing the inclusion of resource-based and outcome-based measures
17.25	Erin Ryan and D Fraser (University of British Columbia, Canada)	Non-target interactions and humaneness evaluation of captive bolt trap in rodent control
17.50	Short presentations: 1 Sophie Brajon , G Munhoz Morello, S Capas Peneda, J Hultgren, C Gilbert and IAS Olsson (Universidade do Porto, Portugal) 2 Katherine Cronin , NK Wierzal, A Evans, M Ramont, M Leahy and JD Wark (Lincoln Park Zoo, Chicago, USA) 3 Vikki Neville , J Mouny, L Benato, K Hunter, M Mendl and ES Paul (University of Bristol, UK) 4 Sarah Huskisson , CR Doelling, SR Ross, and LM Hopper (Lincoln Park Zoo, Chicago, USA) 5 Claire Toïnon , S Waiblinger and JL Rault (University of Veterinary Medicine, Vienna, Austria) Q&A	1. Newborn cannibalism in laboratory mouse and how it biases the estimation of pup mortality 2. Considering animal space use to evaluate and enhance welfare: examples from the zoo environment 3. Thinking outside the lab; can studies of pet rats inform laboratory rat welfare? 4. The impact of visitor effect on Japanese macaques' cognitive performance and welfare 5. Maternal deprivation affects goat kids stress coping behaviour



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Day 2. 30th June 08.20am – 16.00pm

08.20 – 09.45 Session 4 Chair: Mia Cobb (University of Melbourne, Australia)		
08.20	Introduction	
08.30	Isabella Clegg , HG Rödel, B Mercera, S van der Heul, T Schrijvers, P de Laender, R Gojceta, M Zimmiti, E Verhoeven, J Burger, PE Bunskoek and F Delfour (Animal Welfare Expertise, Sydney, Australia)	Dolphins' "Willingness to Participate" (WtP) in positive reinforcement training predicts early changes in health status
08.55	Dan O'Neill , C Pegram, P Crocker, DC Brodbelt, DB Church and RMA Packer (The Royal Veterinary College, UK)	Show me the brachy data! Are flat-faced dogs really unhealthier than other dogs?
09.20	Short presentations: 1 Sabir Hussain , A Hussain, J Ho, Jun Li, D George and OAE Sparagano (City University of Hong Kong, China; University of Veterinary and Animal Sciences, Lahore, Pakistan; Newcastle University, UK) 2 Edward Narayan , D Fox, G Sawyer and A Tilbrook (University of Queensland, Aus) 3 Aamer Khan , SEG Lea, P Chand, U Rai and N Baskaran (A.V.C. College (Autonomous), Mannampandal and Padmaja Naidu Himalayan Zoological Park, India; University of Exeter, UK) 4 Mona Giersberg , R Molenaar, IC de Jong, H van den Brand, B Kemp and TB Rodenburg (Utrecht University, Netherlands) 5 Evelien Graat , M Thys, L Warin, V Courboulay, M-C Meunier-Salaün, M Stomp, H Leruste, V Guesdon, A Collin, MF Giersberg, TB Rodenburg, F Tuytens and C Vanden (ILVO, Belgium) Q&A	<ol style="list-style-type: none"> 1. Tick control in the bovine population of Pakistan: A step towards animal welfare 2. Tracking stress remotely via wool hormones and smart tags: shearing early in pregnancy reduces stress and improves productivity of Australian Merino sheep 3. Predictors of psychological stress and behavioural diversity among captive red panda in north-eastern India and their implications for global captive management 4. Effects of hatching system on broiler activity measured individually by an ultra-wideband tracking system 5. Development of tools for farmers to self-assess the welfare of their poultry and pigs in organic and outdoor systems

09.45- 10.30 Break and poster viewing

10.30 – 13.00 Session 5 Chair: Rebecca Nordquist (Utrecht University, The Netherlands)		
10.30	Jasmine Clarkson , JE Martin, J Sparrey, F Marchesi, MC Leach and DEF McKeegan (University of Glasgow, UK)	Behavioural, physiological and pathological assessment of decompression parameters for the potentially humane killing of anaesthetised laboratory rodents
10.55	Emmeline Howarth , C Kemp, HR Thatcher, ID Szott, D Farningham, CL Witham, A Holmes, S Semple and EJ Bethell (Liverpool John Moores University, University Centre Myerscough, University of Edinburgh, Medical Research Council Harwell, Newcastle University and University of Roehampton, UK ; Unitec Institute of Technology, NZ)	Developing and validating attention bias tools for assessing trait and state affect in animals: A worked example with <i>Macaca mulatta</i>
11.20	Tori McEvoy , U Baqueiro - Espinosa, A Crump and G Amott (Queen's University Belfast, UK)	Benefits of a socialisation protocol on commercially bred dogs
11.45	Lina Weirup , C Schulz and H Seibel (Gesellschaft für Marine Aquakultur, Germany)	Fish welfare evaluation index based on the prevalence and severity of external morphological damage
12.10	Deborah Nadal (University of Glasgow)	When "One Health, One Welfare" encounters rabies in the streets of India
12.35	Short presentations: 1 Janire Castellano Bueno , A Paraskevopoulou, L Sermin-Reed, S Groves, N Kindred, M Jay, A Czeszyk, J Panafieu, J Safourcade, S Carella, C Miller, M Bateson and C Poirier (Newcastle University, UK) 2 Rhyanne Heppenstall , S Minano, A Fisk, M de Vos, R Austin, M Bonsall and CE Bergmann (University of Oxford, UK) 3 Charles Carslake , JA Vázquez-Diosdado and J Kaler (University of Nottingham, UK) 4 Adam Powell (University of Stirling, UK) 5 Tristram Wyatt (University of Oxford, UK) Q&A	<ol style="list-style-type: none"> 1. Acute effect of fluid control on the welfare of laboratory rhesus macaques 2. Accelerometers as tools to monitor behaviour: a potential refinement for the welfare assessment of rhesus macaques used in neuroscience research 3. Machine learning algorithms to classify and quantify multiple behaviours in dairy calves using a sensor: Moving beyond classification in precision livestock 4. Rubber net mesh reduces scale loss in farmed Atlantic salmon, <i>Salmo salar</i> 5. Reproducibility and open science: Learning from psychology

13.00- 14.00 Break and poster viewing



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14.00 – 16.00 Session 6 Chair: Birte Nielsen (UFAW, UK)		
14.00	Jamie Ahloy Dallaire (Université Laval, Canada) ***2021 UFAW Early Career Researcher of the Year' winner***	Identifying and raising adaptable animals
14.25	Carly O'Malley , LM Wilkinson, ER Moreau and PV Turner (Charles River Laboratories, USA)	Driving organizational change in welfare practices: A stakeholder focus group approach
14.50	Short presentations: 1 Fiona Dale , CC Burn, J Murray and R Casey (RC, UK) 2 Sara Owczarczak-Garstecka , RA Casey, RH Kinsman, TG Knowles, S Tasker, REP Da Costa and JK Murray (Dog Trust, UK) 3 Martine Van den Broeck and P Cornillie (Ghent University, Netherlands) 4 Guillermina Hernandez-Cruz , RG Ferreira, N Rooney, TSF Costa, DR Rego and M Mendl (University of Bristol, UK) Q&A	1. Changes in separation related behaviour in puppies aged from 12 weeks to 6 months of age: description of a 'Generation Pup' cohort 2. Owner-reported post-neutering care and wound problems for dogs at ages 7 and 15 months 3. Discrepancy between legal and actual age of puppies in cross-border trade 4. Behavioural diversity of capuchin monkeys (<i>Sapajus libidinosus</i>) in rehabilitation
15.10	Jen-Yun Chou (University of Pennsylvania, USA) ***2021 UFAW Early Career Researcher of the Year' winner***	If you judge a pig by the tail" - how a solution-driven approach can open up new possibilities to animal behaviour and welfare research
15.35	Raúl Guevara , JJ Pastor, X Manteca, G Tedo and P Llonch (Universitat Autònoma de Barcelona, Spain)	Systematic review of animal-based indicators to measure thermal, social, and immune-related stress in pigs
16.00 End		