

Advancing animal welfare science: How do we get there?

– Who is it good for?

UFAW International Symposium 2019
3rd-4th July 2019
Site Oud Sint-Jan, Bruges, Belgium



Day One

8.00 – 9.00 Registration.
Refreshments available from 8.30

8.00 – 9.00 Poster set up

9.00 – 10.30 Session 1

9.00-9.10	Hubrecht R UFAW, UK	Welcome and Introduction
9.10-9.50	Garner, J Stanford University, USA	Keynote: From expediency to necessity: Why science without welfare thinking isn't science worth doing
9.50-10.10	Bennett RM University of Reading, UK	The benefits of animal welfare science
10.10-10.30	Rioja-Lang FC, H Bacon, M Connor, AB Lawrence and CM Dwyer University of Edinburgh and Scotland's Rural College, UK	Prioritising animal welfare issues using expert consensus

10.30- 11.00 Break: Refreshments

11.00 – 12.40 Session 2

11.00-11.40	Keeling, LI Swedish University of Agricultural Sciences, Sweden	Keynote: Assessing animal welfare: biology, methodology and technology
11.40-12.00	Franco NH , A Gerós, L Oliveira, IAS Olsson and P Aguiar Universidade do Porto, Portugal	Automatic and high-throughput thermal image analysis of freely-moving, group-housed laboratory animals, validated on a mouse model of LPS-induced sepsis
12.00-12.20	Asher L Newcastle University, UK	What can behaviour informatics of sensor data offers animal welfare?
12.20-12.40	Jorquera MF, FR Dunshea, S Fuentes and EC Jongman University of Melbourne, Australia	A pilot study of early detection of porcine pleuropneumonia using remote sensing and computer vision techniques over thermal infrared and RGB imagery

12.40 – 14.00 Lunch, including Poster Session 1 (from 13.20)

14.00 – 15.30 Session 3

14.00-14.15	Dalla Costa E , M Chincarini, L Qiu, L Spinelli, A Torricelli, S Cannas, C Palestini, E Canali, B Cozzi, N Ferri, G Vignola and M Minero Università degli Studi di Milano, Teramo and Padova, Politecnico di Milano, Istituto Zooprofilattico Sperimentale dell'Abruzzo e del Molise G. Caporale and Istituto di Fotonica e Nanotecnologie, Italy	Can functional near-infrared spectroscopy (FNIRS) give us reliable insights on sheep brain activity?
14.15-14.30	Huertas SM , PE Bobadilla, M Prieto and JM Lestido Universidad de la República and JM Lestido Project Management, Uruguay; OIE Collaboration Center on Animal Welfare and Livestock Production Systems (Chile-Uruguay-México)	A new methodology to improve animal welfare during transport: "PROGAT"
14.30-14.45	Volkman N , B Kulig and N Kemper University of Veterinary Medicine Hannover and University of Kassel, Germany	The sound of claw lesions: Detection of lameness by acoustic analysis
14.45-15.00	Knock M and GA Carroll Hartpury University Centre and Queens University Belfast, UK	The potential of post-mortem carcass assessments in reflecting the welfare of beef and dairy cattle
15.00-15.15	Stracke J , D Klotz, P Wohlsein, N Kemper and B Spindler University of Veterinary Medicine Hannover, Germany	Scratch the surface. Histopathology of foot pad dermatitis in turkeys
15.15-15.30	Rutherford N , F Lively and G Arnott Agri-Food and Biosciences Institute and Queens' University Belfast, UK	The use of rumen temperature boluses as a novel welfare assessment tool in cattle: illustrated by monitoring stress-induced hyperthermia

15.30 – 16.00 Break: Refreshments

16.00 – 17.40 Session 4

16.00-16.20	Burn CC The Royal Veterinary College, UK	Stopping senseless standardisation: How not to waste laboratory animal lives
16.20-16.40	Gray HE , L Zhang, X Ye, N Allinson and LM Collins Universities of Leeds and Lincoln, UK	Automatic monitoring of pig health and welfare
16.40-17.00	Cobb M , A Carter, A Lill and P Bennett Monash and La Trobe Universities, Australia	Advancing the welfare of working dogs: What's preventing science helping the canines who help us?
17.00-17.20	Andrews C , A Gott, V Neville, D Nettle and M Bateson Newcastle University and University of Bristol, UK	Do individual differences in multiple measures of affect and welfare correlate?
17.20-17.40	van der Goot MH , SS Arndt and HA van Lith Utrecht University, The Netherlands	Increasing animal welfare and reliability of results from preclinical trials and animal studies: Zooming in on variation in adaptive response patterns within and between three inbred mouse strains

End 17.40

Day Two:

9.20 – 10.50 Session 5		
9.20-9.30		Introduction to second day – AWRN
9.30-10.10	Van de Vis, H Wageningen Livestock Research, The Netherlands	Keynote: Challenges associated with assessing and improving the welfare of farmed fish
10.10-10.30	Rawson TE , MS Dawkins and MB Bonsall University of Oxford, UK	Mathematical modelling of Campylobacter in a broiler flock
10.30-10.50	Webster J and G Zobel AgResearch Ltd., Hamilton, and Massey University, New Zealand	Animal welfare assessment – Do we know what we are missing?

10.50 – 11.35 Break: Refreshments

11.35 – 12.50 Session 6		
11.35-11.55	Foreman R and M J Farnworth Nottingham Trent University, UK	A systematic review of social and environmental factors and their implications for indoor cat welfare
11.55-12.15	van Dierendonck MC and CPH Moons Ghent and Utrecht Universities, Belgium	The WELPA project: Can human behaviour change (HBC) techniques help to improve equine welfare in riding schools and livery yards?
12.15-12.35	Spiezio C , C Sandri and B Regaioli Parco Natura Viva - Garda Zoological Park and University of Bologna, Italy	To assess zoo animal welfare using the behavioural variety index (BVI)
12.35-12.50	UFAW Award	UFAW Medal for 'Outstanding Contribution to Animal Welfare Science' / UFAW 'Young Animal Welfare Scientist of the Year'

12.50 – 14.10 Lunch, including Poster Session 2 (from 13.30)

14.10 – 15.30 Session 7		
14.10-14.30	Trevarthen A , M Mendl, E Finnegan, E Paul, A Resasco and C Fureix Universities of Bristol and Plymouth, UK; National University of La Plata, Argentina	Inactive but awake behaviour as a potential indicator of a housing-induced depressive-like state in mice
14.30-14.50	Cronin KA , ST Saiyed and LM Hopper Lincoln Park Zoo and University of Notre Dame, USA	Evaluating whether animal and human interests align in a zoo-based ambassador animal program with African penguins
14.50-15.10	Henderson LJ , TV Smulders and J Roughan Newcastle University, UK	Benefits of tunnel handling persist after additional procedures
15.10-15.30	Vieira de Castro AC , J Barrett, D Fuchs, S Pastur, L de Sousa and IAS Olsson Universidade do Porto, Portugal; University of Edinburgh, UK; University of Trieste, Italy	The effects of dog training methods on companion dog welfare and dog-owner bond

15.30 – 16.00 Break: Refreshments

16.00 – 17.10 Session 8		
16.00-16.20	Telkänranta H , E Paul, M Ramirez, G Caplen, S Held, HR Whay and M Mendl University of Bristol, UK and University of Helsinki, Finland	Lateral differences in eye and nostril temperature: A novel approach to developing thermographic methods to measure emotions
16.20-16.40	Morello GM , S Brajon, S Capas-Peneda, C Gilbert, J Hultgren, JM Ferreira and IAS Olsson University of Porto, Portugal and Swedish University of Agricultural Sciences, Sweden	Understanding pup mortality in laboratory mouse breeding: how the presence of an older litter in the cage aggravates pre-weaning mortality in mice housed in trios and in pairs
16.40-17.00	Lecorps B , DM Weary and MAG von Keyserlingk University of British Columbia, Canada	Are dairy cows depressed after calving?

End 17.10