

UFAW International Animal Welfare Conference 2024

10 – 11 July 2024

Day 1: Wednesday 10 July

All timings are WEST/UTC+1/BST

08.30 - 09.05	Registration and poster set up
09.05 - 09.20	Welcome and Introduction: Huw Golledge (<i>UFAW, UK</i>) and Anna Olsson (<i>University of Porto, Portugal</i>).
09.20 - 11.00	Session One
09.20 - 10.00	Keynote talk: What is wild animal welfare, and how far should we care about it? Clare Palmer (<i>Texas A&M University, USA</i>)
10.00 - 10.20	But is farm animal welfare a public good? Beth Clark, Albert Boaitey and Carmen Hubbard (<i>Newcastle University, UK</i>)
10.20 - 10.40	Younger dams without older litters in the cage increases mouse pre-weaning survival Gabriela Morello, Sara Capas-Peneda, Sophie Brajon, Sofia Lamas, Igor Lopes, Colin Gilbert and Anna Olsson (<i>University of Porto and Sociedade Portuguesa de Inovação, Porto, Portugal; Babraham Institute, UK</i>)
10.40 - 11.00	Monitoring animal welfare in agriculture and fish farming at a national level Angela Bergschmidt et al (<i>Thünen Institute of Farm Economics, Germany et al</i>)
11.00 - 11.40	Break: Refreshments
11.40 - 13.00	Session Two
11.40 - 12.00	Optimising population density for wild animals' welfare Simon Eckerström Liedholm and Luke Hecht (<i>Wild Animal Initiative, USA; Durham University, UK</i>)
12.00 - 12.20	Ending rodenticide use: Could fertility control be the answer? Julie Lane, Bex Pinkham, Sarah Beatham, Simon Croft and Matthew Gomm (<i>Animal and Plant Health Agency, York, UK</i>)
12.20 - 12.40	A compelling case for animal welfare in Africa Kikiopie Oluwarore, Mwenda Mbaka, Hiver Boussini and James Wabacha (<i>African Union, Inter-African Bureau for Animal Resources (AU-IBAR), Kenya; One Health and Development Initiative (OHDI), Nigeria</i>)
12.40 - 13.00	Short Talks:
	Window of opportunity: integration of internal chat hatches in equine housing, impacts the physiology and behaviour of stabled horses Kelly Yarnell, Anna Gregory, Theresa Robertson, Gareth Starbuck and Rupert Palme (<i>Nottingham Trent University, UK; University of Veterinary Medicine, Austria</i>)
	Here comes trouble: investigating risk factors and behavioural correlates of barbering in laboratory mice Lauren Young and Georgia Mason (<i>The Rs Collaborative, USA; University of Guelph, Canada</i>)
	Evaluation of comfort improvement on lying behaviour in heifer calves on smallholder dairy farms in Kenya Peter Kimelia, J VanLeeuwen, G K Gitau, L.C. Heider, S L McKenna, S J Greenwood, and S Richards (<i>University of Prince Edward Island, Canada; University of Nairobi, Kenya; University of Glasgow, UK</i>)
	Factors related to life expectancy and cause of death of dogs in Italy Mariana Roccaro et al (<i>Alma Mater Studiorum University of Bologna, Italy et al</i>)
13.00 - 14.30	Lunch and poster session 1

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14.30 - 15.50	Session Three
14.30 - 14.40	UFAW Medal for ‘Outstanding Contribution to Animal Welfare Science’ / UFAW ‘ECR’ UFAW Award Presentations
14.40 - 15.20	Talk by winner of the 2024 UFAW Medal
15.20 - 15.40	Short Talks: Validation of live behavioural observations for laboratory mice: a tool for welfare science and animal care Aileen MacLellan, Emma Nip, Aimée Adcock and Georgia Mason (<i>Canadian Council on Animal Care, Ottawa Hospital Research Institute, University of Ottawa and University of Guelph, Canada</i>) The 3Hs Initiative: Housing, Handling and Habituation. Methods to refine the lifetime experience of laboratory rodents. Justyna Hinchcliffe, Megan Jackson, Julia Bartlett, Jennifer Davies, Emma Robinson (<i>University of Bristol, UK</i>) Multifunctional cooling platforms and heat stress: effects on litter quality, related welfare indicators and fearfulness of broiler chickens. Bassem Khalfi, Kobe Buyse, Camila Lopes Carvalho, Imad Khan, Patricia Soster de Carvalho, Ana Martos Martinez-Caja, Frank Hartmann, Brecht Van Kerrebroeck, Gunther Antonissen and Frank Tuytens (<i>Ghent University, ILVO, Poulpharm and Roxell, Belgium</i>) Impact of owners' support strategies on the behaviour of dogs facing a novel stimulus Julia Miller, Camila Cavalli, Amin Azadian and Alexandra Protopopova (<i>Wroclaw University of Environmental and Life Sciences, Poland; University of British Columbia, Canada</i>)
15.40 - 16.20	Break: Refreshments
16.20 - 17.40	Session Four
16.20 - 16.40	Bringing shrimp into the fold of animal welfare science Hannah McKay and William McAuliffe (<i>Rethink Priorities, USA; Rethink Priorities, UK</i>)
16.40 - 17.00	Animal welfare with Chinese characteristics: Chinese poultry producers’ perceptions of, and attitudes towards, animal welfare Qing Yang, Cathy Dwyer, Belinda Vigors, Ruqian Zhao and Fritha Langford (<i>University of Edinburgh, Scotland’s Rural College (SRUC) and Newcastle University, UK; Nanjing Agricultural University, China</i>)
17.00 - 17.20	Zoophilia and animal welfare in Europe: Legal challenges and welfare concerns Szilvia Vetter (<i>University of Veterinary Medicine Budapest, Hungary</i>)
17.30 - 17.50	How many “enrichments” is enough? Using systematic review and meta-analysis to assess the health impacts of meeting laboratory rodents' needs Jessica Cait, Charlotte Winder and Georgia Mason (<i>University of Guelph, Canada</i>)
17.50 - End	Evening reception

Day 2: Thursday 11 July

All timings are GMT+1 / UTC+1/ BST

09.10 - 09.15 **Welcome and Introduction** Birte Nielsen (UFAW, UK)

09.15 - 11.00 **Session Five**

09.15 - 09.35 **Boredom in ferrets (*Mustela furo*) – assessing and ameliorating the limbo between sleep and stimulation**

Charlotte Burn, Alice Dancer, Jennifer Bizley and María Díez-León (*The Royal Veterinary College, University College London, UK*)

09.35 - 09.55 **What do we owe feral animals?**

Peter Sandøe, Janne Winther Christensen, Christian Gamborg, Alistair Lawrence and Clare Palmer (*University of Copenhagen and Aarhus University, Denmark; Scotland's Rural College (SRUC), and University of Edinburgh, UK; Texas A&M University, USA*)

09.55 - 10.15 **Refining the monitoring of weight in laboratory macaques (*Macaca mulatta*) and mice (*Mus musculus*): use of percentile growth curves**

Claire Witham, Katie Stupples, Faye Peters, Sebastian Merritt, Jim Willshire, Sonia Bains, Michelle Stewart and Sara Wells (*Medical Research Council and Black Lab Consulting, UK*)

10.15 - 10.35 **Open science for animal welfare and applied ethology**

Anna Olsson, Helen Gray, Christian Nawroth (*University of Porto, Portugal; Newcastle University, UK; Research Institute for Farm Animal Biology, Dummerstorf, Germany*)

10.35 - 10.55 **Striking a balance between Iberian Lynx conservation efforts and animal welfare**

Alexandre Azevedo, Martin Whiting and Manuel Magalhães-Sant'Ana (*Vasco da Gama University School, Coimbra and University of Lisbon, Portugal*)

10.55 - 11.35 **Break: Refreshments**

11.35 - 13.00 **Session Six**

11.35 - 11.55 **Talk by winner of the 2024 UFAW Early Careers Researcher award**

11.55 - 12.15 **Rearing pigs with play opportunities: the effects on disease resilience in pigs experimentally inoculated with PRRSV**

Karolína Steinerová, John Harding, Sarah Parker, Heather Wilson, Arthur Finatto, Haoming Liu and Yolande Seddon (*University of Saskatchewan, Canada*)

12.15 - 12.35 **Implementing sustainable welfare practices in research settings: adoption of non-aversive handling of mice**

Patricia Turner, Judy Murray, Carly O'Malley, Sarah Thurston and Elizabeth Nunamaker (*Charles River, USA; University of Guelph, Canada*)

12.35 - 12.55 **Short Talks:**

Analysis of the effects of temporary outdoor access during the fattening phase on pig welfare, health and performance

Anissa Jahoui, Solenn Gavaud, Franck Guiraud, Julie Lion, Blandine Lieubeau, Julie Hervé and Céline Tallet (*PEGASE, Oniris and GenESI, INRAE, France*)

Why workshops work: Influence of education on positive reinforcement training with goats

Jennifer Meier, Viviane Theby, Lorenz Gyax, Edna Hillman and Carola Fischer-Tenhagen (*German Federal Institute for Risk Assessment (BfR), Tierakademie Scheuerhof and Humboldt-Universität, Germany*)

What's in it for the dogs? Assessing the outcomes of a prison-based dog training program from an animal behaviour and welfare perspective

Parizad Baria-Unwalla et al (*University of Porto, Portugal et al*)

Pan-African network for laboratory animal science and ethics (PAN-LASE): Education and training in research animal sciences, welfare and ethics across Africa

Josiah Kantiyok et al (*Johan Vet Network, Nigeria et al*)

12.55 - 14.20 **Lunch and poster session 2**

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14.20 - 15.20

Session Seven

14.20 - 14.40

Should all animals be treated equal? Sex-differences in the enjoyment of rat tickling

Vincent Bombail, Sarah Brown, Jessica Martin, Simone Meddle, Michael Mendl, Emma Robinson, Tayla Hammond, Birte Nielsen, Megan LaFollette, Ignacio Vinuela-Fernandez, Emma Tivey and Alistair Lawrence (*Scotland's Rural College, University of Edinburgh, University of Bristol, UFAW, UK; The North American Rs Collaborative, USA*)

14.40 - 15.00

"Waiting and seeing" – Why do new adopters decline dog behaviour support, and which doggy demographic factors make uptake less likely?

Lauren Samet, Cassandra Giragosian, Carys Williams, Joshua Woodward, Eleanor Jordan, Rachel Casey and Emma Buckland (*Dogs Trust, UK*)

15.00 - 15.20

Short Talks:

Corticosterone levels in blood and feathers of broiler chickens using liquid chromatography-mass spectrometry (LCMS) method as an indicator of animal welfare

Patricia Soster de Carvalho, Camila Lopes Carvalho, Kobe Buyse, Wout Verbeure, Annelike Dedeurwaerder, Maarten De Gussen, Frank Tuytens and Gunther Antonissen (*Ghent University, Flanders Research Institute for Agriculture, Fisheries, and Food (ILVO), Poulpharm Bvba, Vetworks Bvba, Belgium*)

Using Bluetooth beacons to examine ewe-lamb distance as an indicator of welfare concerns in sheep

Michelle Reeves, Aimee Walker, Fiona Kenyon, Anthony Waterhouse, Ann McLaren, Claire Morgan-Davies, Nicholas Nils Jonsson, Emma Baxter and Cathy Dwyer (*SRUC, University of Edinburgh, University of Glasgow and Moredun Research Institute, UK*)

Investigating salmon behavioural changes to poor gill health for improved welfare in aquaculture farms

Dragana Nikolic, Pieter Fabry, Trevor Telfer and Sonia Rey Planellas (*University of Stirling, and Observe Technologies, UK*)

The enigma of the pariah bird (*Gallus domesticus*)

Joanne Edgar and Elizabeth Paul (*University of Bristol, UK*)

15.20 - 16.00

Break: Refreshments

16.00 - 17.40

Session Eight

16.00 - 16.20

Mission impossible accomplished? On the incoherent integration of the harm-benefit analysis into law and policy documents in European countries

Dominik Hajosi and Herwig Grimm (*University of Vienna, Austria and Columbia University, USA*)

16.20 - 16.40

Connecting biologging and wild animal welfare

Michael Beaulieu (*Wild Animal Initiative, USA*)

16.40 - 17.00

Rethinking use of the forced swim test in depressive disorders research

Kimberley Jayne, Emily Trunnell, Julia Baines, Constança Carvalho, Kathrin Herrmann and Gilly Stoddart (*People for the Ethical Treatment of Animals UK, UK; People for the Ethical Treatment of Animals US, USA; Instituto Universitário de Lisboa, Portugal; Johns Hopkins Center for Alternatives to Animal Testing, USA*)

17.00 - 17.20

Assessing animal welfare risk in fibre-producing animals by applying the Five Domains framework

Kaja Salobir, Marlene Kirchner, Thainá Landim De Barros, Shari Cohen and Daniela Haager (*VIER PFOTEN International, Austria; FOUR PAWS Australia, Australia*)

17.20 - 17.40

The story so far: hypobaric hypoxia as a potential refinement for killing laboratory mice

Jasmine Clarkson, Jessica Martin, Ross Muers, Matthew Leach, Julian Sparrey and Dorothy McKeegan (*University of Glasgow, Newcastle University, University of Edinburgh, Livetec systems Ltd, UK*)

17.40

End