

# UFAW International Animal Welfare Conference 2025

## Posters

- 1. Locomotory, resting, and aggressive behaviours in Nigerian local and hybrid converter turkeys: A comparative study**  
Rukoyat Akinyemi, Samuel Durosaro, Michael Ozoje and Oluwaseun Iyasere (*Federal University of Agriculture Abeokuta, Nigeria*)
- 2. Systemic challenges in psychedelic animal research: addressing sex bias, methodological rigor, and dose relevance to improve translation**  
Brian Allen and Benjamin V. Ineichen (*University of Zurich and University Hospital Zurich, Switzerland*)
- 3. A scoping review of cognitive enrichment for young cattle and its implications for welfare and agricultural practices**  
Georgiana Amarioarei, Rachel van Vliet, Marjorie Cellier, Nadège Aigueperse, Elise Shepley, Abdoulaye Baniré Diallo and Elsa Vasseur (*McGill University and UQAM, Montreal, Canada; INRAE, UMR Herbivores, Saint Genes-Champagnelle, France; University of Minnesota, USA*)
- 4. Prohibition on keeping animals - challenges in implementation**  
Yael Arbel, Liran Plitman and Dganit Ben-Dov (*Ministry of Agriculture and Food Security, Ben-Gurion Airport and Derech Ha'Makkabim, Israel*)
- 5. To what extent do seasonal climate variations affect health and welfare in horses kept in marginal areas?**  
Elie Atallah, Francesco Cerasoli, Veronica Antognoli, Matteo Ricci, Giorgio Saluti, Michela Minero and Emanuela Dalla Costa (*Università degli Studi di Milano, Istituto Zooprofilattico Sperimentale dell'Abruzzo e del Molise "G. Caporale" and Università degli Studi di Bologna, Italy*)
- 6. Effects of the structural environmental enrichment in captive-bred nursehound (*Scyliorhinus stellaris*) juveniles for restocking**  
Javier Aula, Pablo Arechavala, Jose Maria Valencia, Carlos Díaz and Margalida Valls (*Mediterranean Institute for Advanced Studies (IMEDEA-CSIC/UIB), IRFAP LIMIA Laboratorio de Investigaciones Marinas y Acuicultura and INAGEA (UIB), Complex Balear de Recerca, Desenvolupament Tecnològic i Innovació, Balearic Islands, Spain; Xelect Ltd, St Andrews, UK*)
- 7. Giving the convention of biological diversity teeth by implementing an invasive species framework that balances ecosystem health with animal dignity**  
Jennifer Bass (*Lewis and Clark Law School, USA*)
- 8. A pilot study on young adults' physiological reactions to visual stimuli of brachycephalic dogs and baby schema**  
Zsófia Bognár, Dorottya Julia Ujfalussy, Anna Martinovics and Enikő Kubinyi (*MTA-ELTE Lendület "Momentum" Companion Animal Research Group, ELTE-ELKH NAP Comparative Ethology Research Group, ELTE NAP Canine Brain Research Group and ELTE Eötvös Loránd University, Hungary*)
- 9. Structural enclosure enhancements promote behavioral diversity in green anacondas (*Eunectes murinus*)**  
Jacira Carvalho, Maria I Poinho, Francisco Ramos and Ana Magalhães (*Universidade do Porto (ICBAS and IBMC) and Zoo Santo Inácio, Portugal*)

## Posters

10. **Exploring space: habitat use by a green sea turtle in a public aquarium**  
Maria Castelo, Ana Ferreira and Ana Magalhães (*University of Porto (ICBAS and iS), SEA LIFE Porto, Portugal*)
11. **Students' animal welfare perceptions after completing a novel "animal welfare and behavior" first-semester required course at a new veterinary university**  
Elena T Contreras and Raphael Vanderstichel (*Rowan University and University of Wyoming, USA*)
12. **Where do dogs prefer to play? The influence of surface and temperature on dog behavior**  
Arieli Daieny, Nathaniel Hall and Edgar Aviles-Rosa (*Texas Tech University, Lubbock, USA*)
13. **Exploring individual differences in commonly used measures of rat affective state**  
Molly Davidson, Emily Finnegan, Vikki Neville, John Fennell, Elizabeth S. Paul, Iain Gilchrist and Michael Mendl (*University of Bristol, UK*)
14. **It is ethical for a country to include all animals in a national plan to respond to a crisis that is caused by the climate change**  
Marsha Dimopoulou and Evangelos Mantsfounis (*Ministry of the Interior for the Protection of Companion Animals, Athens, Greece*)
15. **Lead-ing the way: A qualitative exploration of owner experiences with taking their cats on outdoor walks**  
Alex Elford, Andrew Cooke and Beth Ventura (*University of Lincoln, UK*)
16. **Evaluation of in utero heat stress and genomic selection on piglet behavior and hair cortisol post weaning and transport**  
Rick Hernandez, Luiz Brito, Mary Kate, Harrod Byrd, Jacob Musa and Jay Johnson (*Purdue University and University of Missouri, USA*)
17. **Dietary fibre supplementation in broiler diets: enhancing gut health and welfare through natural foraging behaviour**  
Qazal Hina and Ishaya U. Gadzama (*University of Veterinary and Animal Science, Lahore, Pakistan; University of Queensland, Australia*)
18. **Cardiac response of European seabass to different stunning and slaughter methods**  
Esther Hoyo-Alvarez ; María Cabrera-Álvarez, Rafael Ginés, Ana Roque and Pablo Arechavala-López (*Mediterranean Institute of Advanced Studies (IMEDEA-CSIC/UIB), Mallorca, Instituto Universitario de Investigación en Acuicultura Sostenible y Ecosistemas Marinos (ECOQUA-ULPGC), Gran Canaria and Institut d'Investigació Tecnològica Agroalimentària (IRTA), Spain; Fish Ethology and Welfare group (CCMAR), Faro, Portugal*)
19. **Fin health challenges in Beluga sturgeon (*Huso huso*) aquaculture: Clinical observation**  
Azadeh Jalali-Motahari and Robert Martinez (*Veterinary Health Care, Mazandaran, Iran; Kansas State University, USA*)
20. **The impact of ovariohysterectomy on brain activity, physiological and behavioural parameters in domestic cats (*Felis catus*)**  
Nithillan Jiwa, Syamira S. Zaini and Ubedullah Kaka (*Universiti Putra Malaysia, Serdang, Selangor, Malaysia*)
21. **Application of mobile flow cytometer for hygiene monitoring on pig farrowing units**  
Michal Kaluža, Miroslav Macháček and Vojtěch Kabrhel (*University of Veterinary Sciences Brno and ADDICOO GROUP s.r.o., Czech Republic*)

## Posters

22. **Global analysis of community animal health worker programs: Strategies for sustainable community health enhancement**  
Tsaiping Liao and Lauren Patter (*University of Guelph, Canada*)
23. **A case study: Scientific behavioural observation based habitat modification results in Manta ray welfare improvement**  
Sze Wing Lok, Eszter Matrai, Jacky Wong, Lell Luk, Fung Ming Leung, Tsz Yan Suen and Paolo Martelli (*Ocean Park Corporation, Hong Kong*)
24. **Farmers, vets, and the management of lame sheep, evidence of contextualised care in practice?**  
Niamh Mahon and Beth Clark (*The James Hutton Institute, Aberdeen and Newcastle University, UK*)
25. **A practical and rapid method for assessing horse temperament: advancing equine welfare and enhancing horse-human interactions**  
Dan Manolăchescu and Mirela Tripon (*University of Agriculture and Veterinary Medicine, Cluj-Napoca, Cluj, Romania*)
26. **Risk analysis in livestock slaughter house unit- GAM**  
Marcela Martin, Randa Bazzi, Shadi Othman and Khaled Hijazeen (*Instituto Técnico Industrial Felix Di Michele, Argentina; Greater Amman Municipality Slaughterhouse, Jordan*)
27. **Overcoming language barriers in animal welfare: identifying communication needs between English-speaking animal professionals and Spanish-speaking caretakers, and developing Spanish for specific purposes courses and internship programs for veterinary and animal science students in Spanish-speaking farm settings**  
Allen Jimena Martinez Aguiriano, Leonor Salazar, Silvana Pietrosevoli and Arlene Garcia (*Texas Tech University, Amarillo and North Carolina State University, USA*)
28. **The role of domestic dogs in Maasai culture and the impact of veterinary interventions in the Mara North Conservancy, Kenya**  
Anne Sofie Meilvang, Rikke Langebæk, Rebecca Doyle, James Nayetuni and David Noosaron (*University of Edinburgh, UK; Animal Protection Denmark and University of Copenhagen, Denmark; Mara North Conservancy Dog Project and Karen Blixen Camp Trust, Kenya*)
29. **The relationship between motivation, anticipation, and frustration in animals: A scoping review**  
Jasmine Muszik, Nadège Aigueperse, Marjorie Cellier, Abdoulaye Baniré Diallo and Elsa Vasseur (*McGill University and Université du Québec à Montréal, Canada; Université Clermont Auvergne, France*)
30. **Turmeric (*Curcuma longa*) as a phyto-genic feed supplement: A review of its role in enhancing fish welfare, growth, and sustainability in aquaculture**  
Felix Nwose (*Delta State University, Abraka, Nigeria*)
31. **Occurrence and comparison of haematological and serum biochemical parameters of Peste des Petits ruminants' virus (PPRV) infected and non-infected Nigerian breeds of goats**  
Sunday Olaogun, Precious Obiora, Osereime Adah and Amos Oladipupo (*University of Ibadan, Nigeria*)

## Posters

32. **Investigating avian neglect and welfare violations: Case studies in South Korea**  
Goun Park and Chunghyun Kim (*University of Hoseo, Republic of Korea*)
33. **Evaluating the impact of group size and composition on broiler breeder hens' welfare**  
Marcela Quino, Nicole Dundur, Emscho Alvarado and Bethany Baker-Cook (*Auburn University, USA*)
34. **Animal welfare education in English primary and secondary schools: barriers and enablers**  
Sarah Reaney-Wood (*Sheffield Hallam University, UK*)
35. **Enhancing equine welfare: the impact of medical training on compliance and stress in veterinary care**  
Marie Roig-Pons, Chloé Cabrit, Elodie Lallemand and Sabrina Briefer Freymond (*Swiss National Stud Farm, Agroscope, Suisse; National Veterinary School, Toulouse, France*)
36. **Evaluating mental health support strategies of UK organisations for rural and research-based animal caregivers**  
Kleita Sergiou, Beth Clark and Lucy Asher (*Newcastle University, UK*)
37. **An overview of behavior analysis in Rhesus macaque medical research care**  
Autumn Sorrells and Kylie Thurman (*Neuralink, Corp., Fremont, California, USA*)
38. **Refining human-animal interactions and housing of nonhuman primates in research: A practical approach**  
Sally Thompson-Iritani, Elizabeth Nunamaker and Lauren Young (*University of Washington, Charles River Laboratories and The Rs Collaborative, USA*)
39. **Defining best practices for working with rabbits: rabbit welfare working group**  
Sarah Thurston, Carly O'Malley, Mackenzie Portman, Patricia Turner and Elizabeth Nunamaker (*Charles River, Massachusetts, USA and University of Guelph, Canada*)
40. **Risk factors for owners currently thinking about giving their companion rabbit (*Oryctolagus cuniculus*) away or letting the rabbit loose outside: An international, cross-sectional study**  
Carol Tinga, Jason Coe and Lee Niel (*University of Guelph, Canada*)
41. **Quantifying changes in facial expression following hot-iron disbudding under procaine hydrochloride and meloxicam treatment in Holstein dairy calves**  
Nnenna Ugwu, Jo Murrell, Emma Love, Toby Knowles, Helen Whay and Jo Hockenhill (*Anglia Ruskin University, Writtle, and University of Bristol, UK; University of Nigeria, Nsukka, Nigeria*)
42. **Impact of transport in summer and winter climatic conditions on welfare and meat quality in organic or conventional finishing pigs**  
Camille Vanbauce, Joel Gonzalez, Júlia Ribalta-Alet, Marc Bagaria, Emma Fàbrega, Marilyns Rendon and José Antonio Delfino Barbosa Filho (*IRTA-C, Veïnat de Sies and IRTA, Monells, Spain*)
43. **Evaluating the effect of breeding-age gilts' preferred toy on aggressive behaviors post mixing**  
Emily Webberson, Arlene Garcia and Edgar Aviles-Rosa (*Texas Tech University, Lubbock and Amarillo, USA*)
44. **Elevated platform use by hospitalized goats' post-surgery**  
Wendy Weirich, Sarah Ibach, Thomas Ede, Marie Fecteau and Thomas Parsons (*University of Pennsylvania, USA*)

## Posters

45. **Reflective practice: Aiding animal workers to be safe, supported and resilient to aid best outcomes for animals**  
Bronwen Williams and Allison Williment (*Freelance Educator, Ledbury and World Horse Welfare, UK*)
46. **Outlining an exploratory assessment of American alligator (*Alligator mississippiensis*) welfare across settings in the United States**  
Madeline M. Winans, Jaylene Flint and Mark Flint (*The Ohio State University, Flint Welfare, Ohio, USA*)
47. **Housing by design: An example of designing an environment for donkeys to meet their behavioural needs**  
Sarah Worth, Craig Dunton, Stuart Norris, Jo Hockenhill, Hannah Bryer and Ruth Angell (*The Donkey Sanctuary, UK*)
48. **Refining mouse handling: evidence-based and practical recommendations**  
Lauren Young and Megan LaFollette (*The Rs Collaborative, USA*)

## Short Talk Posters

### Session 3: 24 June 2025

- 1. Replacing the "Canary in the coal mine" with environmental health monitoring**  
Megan LaFollette and Joseph Garner  
*(The 3Rs Collaborative, Denver, and Stanford University, Stanford, USA)*
- 2. The implementation of a positive reinforcement training program with group-housed pigtail macaques (*Macaca nemestrina*)**  
Sarah Hart, Rita Bellanca and Jessica Toscano *(Washington National Primate Research Center, Arizona Breeding Center, University of Washington, Mesa, and Seattle, USA)*
- 3. Qualitative behaviour assessment captures emotional states related to acute pain in Angus beef calves**  
Mostafa Farghal, Francoise Wemelsfelder, Ed Pajor and Maria Camila Ceballos *(University of Calgary, Alberta, Canada; Minia University, Minia, Egypt; Scotland's Rural College (SRUC), Edinburgh, UK)*
- 4. Evaluating electro-euthanasia as a humane method for zebrafish across developmental stages**  
Jennifer Bowman, Mikaila Hishaw and Jackson Gross *(University of California Davis, USA)*
- 5. Understanding drivers and barriers to lameness management on UK sheep farms**  
Beth Clark and Niamh Mahon *(Newcastle University, Newcastle upon Tyne and The James Hutton Institute, Aberdeen, UK)*

### Session 4: 25 June 2025

- 1. Evidence-based husbandry into husbandry-based evidence - evolving how zoos consider animal welfare concepts**  
Paul Rose and Jack Lewton *(University of Exeter, Exeter and Nottingham Trent University, Southwell, UK)*
- 2. Owner demographic factors are associated with pet rabbit vaccination**  
Heather Lambert, Emma Tipton, Barbora Kin and Clare Ellis *(Harper & Keele Veterinary School, Keele, People's Dispensary for Sick Animals (PDSA) and University of Central Lancashire, Preston, UK)*
- 3. Facilitating dairy cow posture transitions with permissive lying cubicle design**  
Stijn Brouwers, Michael Simmler and Pascal Savary *(Federal Food Safety and Veterinary Office (FSVO) and Digital Production, Agroscope, Switzerland)*
- 4. Fur marker pens: an alternative to ear notching for identification**  
Robbie McLaren-Jones *(Astrazeneca UK Ltd, UK)*
- 5. From Rudolph to reality: Assessing the welfare of captive reindeer in festive events**  
Tayla Hammond *(Animal Insights Research and Consulting and OneKind, Edinburgh, UK)*

## Session 5: 25 June 2025

- Perspectives of Western Canadian cow-calf producers on cattle welfare, handling, and training in livestock handling**  
Nathanael Lutevele, Karin Orsel, Meagan King, Ed Pajor and Maria Ceballos (*University of Calgary and University of Manitoba, Canada*)
- What behaviour is important behaviour? A systematic review of how wild and zoo-housed animals differ in their time-activity budgets**  
Robert Kelly, Marianne Freeman and Paul Rose (*University of Exeter, Exeter, University Centre Sparsholt, Hampshire and WWT (Wildlife and Wetlands Trust), Slimbridge Wetland Centre, UK*)
- Investigating gradual decompression as an alternative to carbon dioxide for killing laboratory rats**  
Sophia Bullock, Jasmine Clarkson and Matthew Leach (*Newcastle University, Newcastle Upon Tyne and University of Glasgow, Glasgow, UK*)
- The fair-fish database: Review and assess welfare of aquatic species in aquaculture and fisheries**  
Jenny Volstorf, Caroline Marques Maia, María Cabrera-Álvarez and Paolo Panizzon (*fair-fish, Weiherweg, Switzerland; FishEthoGroup, Incubadora de Empresas da Universidade do Algarve, Faro, Portugal*)
- A substantial volume of animal welfare policy is informed by systematic review methodology**  
Johann Liesner, Marianna Rosso and Benjamin Ineichen (*University of Zurich and University Hospital Zurich, Zurich, Switzerland*)

## Session 8: 26 June 2025

- The causes of dog relinquishment in Taiwan: The pivotal role of owner's knowledge and motivation**  
Wan-Jhu Huang and Gordon Li (*National Taipei University of Technology, Taipei, Taiwan*)
- Ethological and procedural assessment of ballistics euthanasia for stranded cetaceans**  
Rebecca Boys, Ngaio Beausoleil and Karen Stockin (*Kunenga ki Pūrehuroa Massey University, Auckland and Palmerston North, New Zealand*)
- Bridging knowledge gaps: the role of training in improving equid welfare**  
Mathilde Merridale-Punter, Abel Wodajo, Belay Elias, Anna-Marie Bakos, Hanna Zewdu, Reta Tesfaye, Gizachew Hailegebreal, Teshale Sori, Charles El-Hage, Anke Wiethoelter and Peta Hitchens (*University of Melbourne, Victoria, Australia; Addis Ababa University, Bishoftu and Hawassa University, Hawassa, Ethiopia*)
- BOAS in the Boston Terrier - Similarities to and differences from the bulldog breeds**  
Francesca Tomlinson, Ella O'Neill, Nai-Chieh Liu, David Sargan and Jane Ladlow (*University of Cambridge, Cambridge University Hospitals NHS Foundation Trust, Cambridge and Granta Veterinary Specialists Referrals, UK; National Taiwan University, Taiwan*)
- Preliminary study on the current management of calves on Italian dairy farms: health and welfare issues**  
Valeria Bocchi, Angela Costa, Giulio Visentin, Martina Zappaterra, Marilena Bolcato, Leonardo Nanni Costa and Barbara Padalino (*University of Bologna, Bologna and Ozzano dell'Emilia, Italy; Southern Cross University, East Lismore, Australia*)