

UFAW International Conference: Advancing Animal Welfare Science

The Royal College of Physicians, Edinburgh, UK

Tuesday 28th June

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

08.30 - 09.10 Registration and poster set-up

09.10 - 09.20 **Welcome and Introduction:** Huw Golledge (*UFAW*)

09.20 - 11.00 **Session One** Chair: Katherine Cronin (*Lincoln Park Zoo, USA*)

09.20 - 10.00 **Keynote Speaker: How to improve the quality of animal welfare science**
Hanno Würbel (*University of Bern, Switzerland*)

10.00 - 10.20 **Determining the line of acceptable welfare**
Heather Browning (*London School of Economics and Political Science, UK*)

10.20 - 10.40 **Assessing animal welfare impacts in wild Norway rat (*Rattus norvegicus*) management**
Sandra Baker (*University of Oxford, UK*)

10.40 - 11.00 **Fertility control to mitigate human-wildlife conflicts and promote coexistence**
Giovanna Massei (*University of York, UK*)

11.00 - 11.30 **Break**

11.30 - 12.50 **Session Two** Chair: Huw Golledge (*UFAW, UK*)

11.30 - 12.10 **Keynote Speaker: Meeting the demands of a growing human population, while also achieving good welfare**
Bas Rodenburg (*Utrecht University, The Netherlands*)

12.10 - 12.30 **Short Talks:**

Gradual decompression shows promise as a humane alternative to carbon dioxide
Jasmine Clarkson (*University of Glasgow, UK*)

A survey of farmers' views on changing management practices for goat kids reared away from their dams
Holly Vickery (*University of Reading, UK*)

Beyond the lab: Animal welfare and the 3Rs in wildlife research
Miriam Zemanova (*University of Fribourg, Switzerland*)

Training of animals as an applied tool of stress reduction in pigs and therefore implemented refinement
Mechthild Wiegard (*Freie Universität Berlin, Germany*)

12.30 - 12.50 **Update on the UFAW Journal *Animal Welfare***
Huw Golledge (*UFAW, UK*)

12.50 - 14.20 **Lunch:** Poster session from 13.20

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14.20 - 15.40	Session Three	Chair: Rowena Packer (<i>RVC, UK</i>)
14.20 - 15.00	Keynote Speaker: How evidence is used to develop policy: Examples from the Scottish Animal Welfare Commission	Cathy Dwyer (<i>University of Edinburgh, UK & Chair, Scottish Animal Welfare Commission</i>)
15.00 - 15.20	How can we improve laboratory rat welfare? A systematic review of refinements to laboratory rat housing and husbandry	Vikki Neville (<i>University of Bristol, UK</i>)
15.20 - 15.40	Short Talks:	
	Pebble to the metal: a boulder approach to enrichment for <i>Danio rerio</i>	Kyna Byrd (<i>Stanford University, USA</i>)
	Experience of dog ownership not matching expectation is associated with increased perception of undesired behaviours as 'problematic' in a UK survey	Rachel Casey (<i>Dogs Trust, UK</i>)
	The effects of different environmental enrichment strategies on the sleep quality of laboratory ferrets	Alice Dancer (<i>Royal Veterinary College, UK</i>)
	Improved welfare and reproductive performance of pregnant sows housed in enriched pens	Martyna Lagoda (<i>Teagasc, Agriculture and Food Development Authority, Ireland</i>)
15.40 - 16.20	Break	
16.20 - 17.50	Session Four	Chair: Huw Golledge (<i>UFAW, UK</i>)
16.20 - 16.30	UFAW Awards Presentations: UFAW Medal for Outstanding Contribution to Animal Welfare Science & UFAW Young Animal Welfare Scientist of the Year	
16.30 - 17.10	Handling Change – Some Lessons Learned	Jane Hurst (<i>University of Liverpool, UK</i>)
17.10 - 17.30	Dogs in demand: how a puppy boom is causing a welfare bust	Rowena Packer (<i>Royal Veterinary College, UK</i>)
17.30 - 17.50	Use of environmental enrichment for reptiles in zoos across Europe	Alicia Bartolomé (<i>University of Valencia, Spain</i>)
17.50 - 20.00	End: Drinks reception	

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08.50 - 09.00 **Introduction to meeting:** Birte Nielsen (UFAW, UK)

09.00 - 10.40 **Session Five** Chair: Birte Nielsen (UFAW, UK)

09.00 - 09.40 **Keynote Speaker: Use and misuse of measures of welfare: What can body weight tell us about an animal's welfare?**

Melissa Bateson (Newcastle University, UK)

09.40 - 10.00 **Brain health: A new frontier for animal behaviour and welfare**

Alistair Lawrence (SRUC, Scotland's Rural College, UK)

10.00 - 10.20 **Does complexity of aviary design affect hippocampal plasticity in laying hens**

Matthew Craven (Newcastle University, UK)

10.20 - 10.40 **Feathers, feet, and fractures: Understanding connections between injuries to improve poultry welfare**

Nienke van Staaveren (University of Guelph, Canada)

10.40 - 11.20 **Break**

11.20 - 13.00 **Session Six** Chair: Jonathan Amory (Writtle University College, UK)

11.20 - 11.40 **Challenges of animal welfare assessment for controlled atmosphere killing methods**

Jessica Martin (University of Edinburgh, UK)

11.40 - 12.00 **Metabolomics as a promising new approach in animal welfare science: characterising the metabolomic fingerprint of exposure to acute stress in a pig saliva model**

Liat Morgan (Tel Aviv University, Israel)

12.00 - 12.20 **Animal welfare risk assessment of dairy cattle transported to slaughterhouses**

Remco Schrijver (Office for Risk Assessment & Research (BuRO) of the Netherlands Food and Product Safety Authority (NVWA), The Netherlands)

12.20 - 12.40 **Developing a visual attention bias test in horses**

Sarah Kappel (University of Plymouth, UK)

12.40 - 13.00 **Short Talks:**

Providing a "priority" lane increases visits to the milking robot in dairy cows managed in an automatic milking system

Francesca Johansen (Queen's University Belfast, UK)

Tickle my brains: playful interactions affect cerebral neurotransmitter receptors

Vincent Bombail (SRUC, Scotland's Rural College, UK)

Brave breeds and brains under the spotlight: how to genetics and lighted incubation impact young laying hens stress responsivity?

Maëva Manet (Utrecht University, The Netherlands)

Making the most of opportunities - the effect of early environmental choice on later success in laying hens

Lena Skånberg (Swedish University of Agricultural Sciences, Sweden)

13.00 - 14.20 **Lunch:** poster session from 13.40

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14.20 - 15.30 Session Seven		
	Debate Forum: Meeting rooms 1&2	Workshop: Conference centre
	Animal welfare labelling of products Chair: Birte Nielsen (UFAW)	Measuring behaviour better Melissa Bateson (Newcastle University, UK)
14.20 - 14.30	Introduction to debate forum Birte Nielsen (UFAW)	Workshop on experimental design in animal behaviour and welfare studies - limitations, problems and how to tackle (some of them)
14.30 - 14.45	Method-of-Production labels: a welcome trend for farm animal welfare? Frank Tuytens (Flemish Research Institute for Agriculture, Fisheries and Food (ILVO), Belgium)	
14.45 - 15.00	Pros and cons of animal-based measures in animal welfare labelling Siobhan Mullan (University College Dublin, Ireland)	
15.00 - 15.10	The role of the consumer in animal welfare labelling Alistair Lawrence (SRUC, Scotland's Rural College, UK)	
15.10 - 15.30	Questions for speakers and preparation for debate	
15.30 - 16.10	Break	
16.10 - 17.10 Session Eight		
16.10 - 17.10	Debate Forum (continued)	Workshop (continued)
17.10 - 17.30	Poster prizes and closing of conference	
17.30	End	

The abstract book will be published shortly.