

DRAFT Programme:

FSVO/UFAW Symposium:

Humanely ending the lives of animals

Bern, Switzerland

6-7 March 2024

Day One

Session One: Animals in Research

Invited speaker: Dr Pat Turner (*Charles River Laboratories & University of Guelph, Canada*)

Humanely ending the life of laboratory rats

Charlotte Calvet (*University of Zurich, Switzerland*)

Neurophysiological monitoring of the dying brain: the welfare consequences of hypobaric hypoxia and hypercapnic hypoxia in laboratory mice

Jasmine Clarkson (*Newcastle University, UK*)

Refining the drop method for isoflurane induction in mice

Maya Bodnar (*University of British Columbia, Canada*)

Etomidate Effectively Euthanizes Zebrafish (*Danio rerio*)

Kenzie Schwartz (*Stanford University, USA*)

Session Two: Slaughter of Livestock

The role of the EURCAW in refining the assessment of poultry and rabbits welfare at slaughter

Alexandra Contreras-Jodar (*Animal Welfare Program, Institute of Agrifood Research and Technology (IRTA), Spain*)

Comparison of 8 different inert gas (mixtures) to CO₂ for stunning pigs at slaughter

Jonas Kroll

Improving automatic electric stunning systems for pigs as a viable and more ethical alternative to CO₂

Lesley Moffat (*Eyes on Animals, The Netherlands*)

A review of indicators and sensor technologies to assess pig welfare at the slaughterhouse

Angela Ramon Perez (*Autonomous University of Barcelona, Spain*)

Session Three: "Pests"

Incorporating animal welfare into pathways for developing selective toxins for control of introduced animals

Ngaio Beausoleil (*Massey University, New Zealand*)

Using a naturally occurring sterility gene to humanely control house mouse pests

Andri Manser (*University of Zurich, Switzerland*)

Day 2

Session Four: Depopulation and Emergency Killing

Invited speaker: Dr Antonio Velarde (*Institute for Food and Agricultural Research and Technology (IRTA), Spain*)

New method for more humane euthanasia and emergency depopulation of pigs and poultry

Nicole Krefting (*Heft AB, Sweden*)

Towards a more humane depopulation of poultry in case of Avian Influenza

Louise Kremer (*European Reference Centre for Animal Welfare for Poultry and other Small Farmed Animals, France*)

Humane methods for killing day-old chicks

Birte Nielsen (*Humane Slaughter Association, UK*)

Session Five: Humane Killing of Aquatic Species for Food

Invited speaker: Dr Hans van de Vis (*Wageningen University and Research (WUR), Netherlands*)

Challenges of determining sensibility in fish

Jenny Bouwsema (*Institute of Aquaculture, University of Stirling and Ace Aquatec, UK*)

Current welfare issues in stunning and killing practices of farmed aquatic species in Thailand and Vietnam

Simão Zacarias (*University of Stirling, UK*)

Optimisation of electrical stunning in the decapod crustacean Norway lobster (*Nephrops norvegicus*)

Amaya Albalat (*University of Stirling, UK*)

Impact of electrical shock and analgesia in Norway lobster (*Nephrops norvegicus*)

Eleftherios Kasiouras (*University of Gothenburg, Sweden*)

Optimisation of in-water electrical stunning in tropical prawns (*Penaeus vannamei*)

Endre Putyora (*University of Stirling, UK*)