



4-8 August 2025
Utrecht, The Netherlands

PROGRAMME OF THE
58th CONGRESS OF THE ISAE

ISAE
2025



A good life for all animals

Monday, 4 August

10:00	European COST Action LIFT Satellite Workshop Theatron	The Welfare Footprint of the Egg Satellite Workshop Megaron
16:30	ISAE 2025 Welcome reception Restaurant	Meet and Greet Restaurant

Tuesday, 5 August

09:00	Congress opening Theatron	
09:30	Wood-Gush Memorial Lecture Theatron <i>Chaired by: T. Bas Rodenburg and Inonge Reimert</i> Horizons of animal welfare: insects in farming and research <i>Meghan Barrett</i>	
10:30	Tea and coffee break	
	Assessing affective states Theatron <i>Chaired by: Emma Fàbrega and Mathilde Coutant</i>	Animal breeding and behaviour Megaron <i>Chaired by: Courtney Daigle and Malou van der Sluis</i>
11:00	When pigs lend a hoof: a comparative study of helping across two research institutes <i>Alvaro Lopez Caicoya, Kaleiah Schiller, Marie Bordes, Jean-Loup Rault, Liza Moscovice</i>	The social brain under selection: tameness and its behavioural consequences in Red Junglefowl <i>Johanna GjØen, Per Jensen</i>
11:15	Coming of age: changes in laying hen pullets' fearfulness and aggression <i>Ana Rentsch, Kelly Tremblay, Sachin Gautamadasa, Charlene Hanlon, Grégoy Bédécarrats</i>	Genetic determination of maternal behaviour in Swiss Landrace sows <i>Nicole Maffezzini, Negar Khayatzaadeh, Simon Turner, Rainer Roehe, Ricardo Pong-Wong, Rick D'Eath</i>
11:30	Combining QBA, behaviour tests, and physiological measures to assess positive affect in dairy cattle <i>Ashlyn Scott, Gabriel Dallago, Heather W. Neave, Jamie Ahloy-Dallaire, Joao H.C. Costa, Jan C Plaizier, Meagan TM King</i>	Play stimulation modifies behaviour and brain development in chickens – effects of domestication <i>Per Jensen, Claudia Alsager</i>
11:45	The BIBAGO: A new behavioural test to assess reward sensitivity in non-human animals <i>Susana C. M. Ferreira, Fabiana De Angelis, Sarah Ambruosi, Giulia Ferroni, Matteo Chincarini, Charlotte Gourso</i>	Socially-mediated arousal in two behavioural phenotypes of domestic laying hens <i>Joanne Edgar, Elizabeth Paul</i>

12:00	Bored broilers? Assessing two novel measures for boredom in broiler chickens <i>Chloe Phelps, Alexandra Ulans, Leonie Jacobs</i>	Identification of early behavioural traits to predict injurious pecking in laying hens <i>Lucille Dumontier, Vitor Ferreira, Auriane Foreau, Maxime Quentin, Vanessa Guesdon, Aude Kleiber, Maryse Guinebretière, Michel Sourdioux, Ludovic Calandreau</i>
12:15	The pain echo chamber effect: how cages and barren environments may amplify pain perception in animals <i>Cynthia Schuck-Paim, Wladimir J. Alonso, Kate Hartcher</i>	Comparative study of fear responses and oral – related behaviour in two turkey breeds <i>Rukoyat Akinyemi, Samuel Durosaro, Michael ozoje, Oluwaseun Iyasere, Hezekiah Toyinbo, Lateef Shobayo</i>
12:30	Lunch break Restaurant	Eating with Ethologists Restaurant
	Assessing affective states Theatron Chaired by: Lorenz Gyax and Allyson Ipema	Housing and management meeting behavioural needs Megaron Chaired by: Stephanie Buijs and Vitor Ferreira
14:00	The welfare significance of stereotypic behaviours in rhesus macaques (Macacca mulatta): Do certain forms reflect cumulative negative affect over the lifespan? <i>Georgia Mason, Kristine Coleman, Brenda McCowan, Lee Niel, David Pearl, Ori Pomerantz</i>	Three-step reduction of contact time between dairy cows and their calves does not result in low stress levels at the time of total separation <i>Anina Vogt, Susanne Waiblinger, Kerstin Barth, Uta König von Borstel</i>
14:15	Insights into inactivity: effects of enrichment and coping style on pigs' inactivity patterns <i>Giulia Ferroni, Leonie Kampshoff, Fabiana De Angelis, Christoph Winckler, Sara Hintze</i>	Playing music to animals: an interdisciplinary approach to improving our understanding of animals' responses to music <i>Buddhamas Pralle Kriengwatana, Ruedi Nager, Alex South, Martin Ullrich, Emily Doolittle</i>
14:30	Goats who stare at wolves – first steps in the development of an affect-driven attention bias test for small ruminants <i>Jana Deutsch, Steve Lebing, Anja Eggert, Christian Nawroth</i>	Regular but temporary access to an enriched room modifies activity and social behavior of gestating sows <i>Caroline Clouard, Raphaël Comte, Nolwenn Valentin, Helene Frizet, Christine Baly, Elodie Merlot</i>



14:45	Poster pitches Theatron <i>Chaired by: Lorenz Gyga and Allyson Ipema</i>	Poster pitches Megaron <i>Chaired by: Stephanie Buijs and Vitor Ferreira</i>
	Play responsiveness in an arena test is affected by feed restriction in calves <i>Amelia St John Wallis, Michael Mendl, Benjamin Lecorps, Suzanne Held</i>	Genetics and early life effects on ear biting and the genetic correlations with growth, survival and fertility in pigs <i>Bernadett Hegedűs, Natália Galoro Leite, Liesbeth Bolhuis, Piter Bijma</i>
	Can we use the Broaden-and-Build-Theory to assess cow happiness? Behavioural diversity and social relationships <i>Evelien Smits, Louise Kremer, Kees van Reenen, Laura Webb</i>	Domestication and early stress resilience: Insights from White Leghorns and Red Junglefowl <i>Enya Van Poucke, Per Jensen</i>
	Applying Qualitative Behaviour Assessment to investigate what a change in environmental conditions means for pigs <i>Fabiana De Angelis, Giulia Ferroni, Christoph Winckler, Sara Hintze</i>	Suitability assessment of a non-invasive cortisol measurement method for season-dependent stress levels in horses <i>Anna Mańkowska, Łukasz Zasiadczyk, Dorota Witkowska</i>
	Relationships between behavioural and brain variables putatively reflecting positive and negative affective states of weanling piglets <i>George Troupakis, Ilaria Minussi, Yannick Vermeiren, Walter J.J. Gerrits, Alfons J.M. Jansman, Marlies Diepeveen-de Bruin, Liesbeth Bolhuis</i>	It's not black and white: Perspectives of Western Canadian beef farmers on dairy-beef production <i>Bianca Vandresen, Daniel Weary, Marina von Keyserlingk</i>
	Use of a feed motivation test as a potential indicator of hunger in pregnant beef cows with varying body condition scores <i>Iona Smith, Bernadette Earley, Alastair Macrae, Kenny Rutherford, Simon Turner</i>	Behavioral, welfare, production pattern of unique black meat poultry breed kadaknath in different housing systems <i>Mandeep Azad, Kavardeep Kour, Lalit Upadhyay</i>
	Behavioral responses of dairy cows to temporary separation and reunion <i>J. Levi Byrd, Mattie DeHaven, Kyleigh Turner, Heather, W. Neave</i>	Exploring the behavioral effects of fennel essential oil-enhanced environmental enrichment in rabbits <i>Mariana Blanc Taques, Isabela Bez, Juliana Melo Pankratz, Iasmin Leoni Rocha Salles, Anna Clara Marques Souza, Leandro Batista Costa</i>
	A spatial judgement bias task to assess affective states in horses <i>Johanna Stenfelt, Björn Forkman, Vincent Bombail, Hanna Sassner, Rebecca Grut, Maria Vilain Rørvang</i>	Bibliometric insights into the research on behavior and welfare of domestic turkeys <i>Anna Cristina Souza, Thiago Bernardino, Cristiane Titto</i>

Effects of a synthetic analogue of bovine appeasing pheromone on dairy calf welfare from birth through to weaning

Juliana Garcia, Annabelle Beaver, Mark Rutter

Feather pecking and feather damage of mature laying hens supplemented with prebiotic galacto-oligosaccharides during times of social stress

Anna Lea Nicklas, Nienke van Staaveren, A. Michelle Edwards, A. Kate Shoveller, Paul Forsythe, Alexandra Harlander

Using conditioned place preference testing to assess how laboratory rats perceive tickling

Lamia Benabed, Vincent Bombail, Sarah Brown, Ruth Newberry, Alistair Lawrence

Analyzing the behavioral responses of broiler chicks to different commercial feeder types

Anusha Gautam, Jeremiah Davis, Joseph Purswell, Martha S. Rueda, Bethany Baker-Cook

Reading between the ears: exploring ear postures as an indicator of affective state in dairy cows and calves during temporary separation and reunion

Mattie DeHaven, J. Levi Byrd, Kyleigh Turner, Kevan Cote, Heather W. Neave

Slow-growing versus fast-growing broiler behavior in a silvopasture environment

Athena D. He-DeMontaron, Jesse L. Grimes, Yan L. Campbell, Lin L. Walker, Allison N. Pullin

Unravelling the functions of allogrooming in domestic cats using video-observations

Morgane Van Belle, Christel Moons, Daniel Mills, Bart Broeckx, Frank Tuytens, Noema Gajdoš Krmecová

Evaluating the prevalence of injurious pecking and foraging behaviors in two genetic strains of turkeys with or without environmental enrichment

Brittany N. Bolger, Jesse L. Grimes, Allison N. Pullin

Affective states of dogs in animal-assisted services: a principal component analysis approach

Sandra Haven-Pross, Kathalijne Visser, Lianne Jens, Kyra Maarleveld, Peter van Honk

A preliminary exploration of spatial relationships in an indoor dairy dam-rearing system

Claire S. Wegner, Hanna Eriksson, Emma Ternman, Hector Marina

Exploring behavioural demand for foraging choices in piglets: a pilot study

Giovanna Andrade Corrêa, Linda Keeling, Torun Wallgren, Liesbeth Bolhuis, Else Verbeek

Assessing animal welfare standards in slaughter facilities in Ghana: a checklist-based evaluation

Daniel Abiliba, Worlah Akwetey, Vitus Burimuah, Emmanuel Awuni, Derrick Asare, Kasim Suraj Mohammed, Prince Takyi, Johnson Opoku Bannor, Benjamin Emikpe

The effect of choice on horse behaviour, heart rate and heart rate variability during human-horse touch interactions

Amir Sarrafchi, Elodie Lassalette, Katrina Merries

Do farm animals like music? A systematic review for farm animal welfare

Esther Van Haver, Tomas Norton, Buddhamas Pralle Kriengwatana

Chickens at work: exploring avian agency and resistance in agricultural systems

Lille Dumortier, Eline Jammaers

Using oral firocoxib to improve the welfare of sows after farrowing

Jessica Carnal, Todd Williams, Misty Bear, Johann Coetzee, Abbie Viscardi

	Harmonizing Animal-Based Measures: Criteria for a comparable animal welfare assessment <i>Jihed Zemzmi, Gerard Eduard Martin Valls, Pol Llonch, Océane Girardie, Virginie Michel, Antonio Velarde</i>	Living conditions of broiler chickens in Suriname: is there attention for animal welfare? <i>Sharita Jharap, T. Bas Rodenburg, Rosita Sobhie, Yolanda Grift</i>
	Preliminary assessment of the physical welfare of tethered and free-ranging Lagune cattle in the Oueme Valley region of southeast Benin, West Africa <i>Maurice Cossi Ahozonlin, Serge Alindekon, Luc Hippolyte DOSSA</i>	Association between farrowing duration, gut microbiota composition, and postural changes in primiparous sows <i>JuA Woo, Juho Lee, Cheolju Park, Minseok Kim, Jinhyeon Yun</i>
	Gut microbiota alteration in response to social behaviours and skin lesions in growing pigs after regrouping <i>Woohee Chung, Junsik Kim, Cheolju Park, Minseok Kim, Jinhyeon Yun</i>	The effects of oxidizing air purification technology on swine barn air quality, piglet performance, and piglet behavior during the farrowing phase <i>Keara Leong-Machielse, Jennifer Young, Xiaoyu Feng, Samat Amat, Christopher Byrd</i>
	Dog ethogram (Part I): review of existing ethograms <i>Laura Saiz, Xavier Manteca</i>	Evaluating mental health support strategies of UK organisations for rural and re-se-arch-based animal caregivers <i>Kleita Sergiou, Beth Clark, Lucy Asher</i>
	Bridging the gap: aligning zoo signage with visitor interests to promote conservation action <i>Lisa Lundin, Jenny Loberg, Elin Torgersson, Maria Andersson</i>	Stockpeople's attitudes and calf welfare on dairy farms with cow- calf contact or early separation <i>Anna Rademann, Marie Louise Schneider, Susanne Waiblinger</i>
15:15	Tea and coffee break - sponsored by Elsevier	
	Assessing affective states Theatron <i>Chaired by: Marek Špinko and Laura Whalin</i>	Housing and management meeting behavioural needs Megaron <i>Chaired by: Maria Camila Ceballos and Severine Parois</i>
16:00	Assessing the emotions of dairy cows: Relationships between infrared temperature of key external body surfaces, lateralised behaviour, and milk production <i>Jashim Uddin, David McNeill, Clive Phillips</i>	Exploring the role of dietary energy in the expression of play behaviour in pigs <i>Eleanor Hewett, Jos Houdijk, Andrea Wilson, Craig Lewis, Simon Turner</i>
16:15	Welfare assessment of dairy herds in Sweden including positive welfare indicators <i>Lise Pinaqui, Björn Forkman, Else Verbeek, Ann Nyman, Louise Winblad von Walter, Linda Keeling</i>	Effects of gestational olfactory enrichment on adaptation to weaning in pigs <i>Emmanuelle Briard, Marie Couasnon, Mariana Mescouto, Patrick Touanel, Raphaël Comte, Christine Baly, Elodie Merlot, Celine Tallet, Caroline Clouard</i>

16:30	Sentience in non-human animals: what can we learn from judgement bias tests? <i>Elizabeth Paul, Vikki Neville, Michael Mendl</i>	Dried black soldier fly larvae (<i>Hermetia illucens</i>) as environmental enrichment for laying hens – a full-scale commercial study <i>Faye Tahamtani, Kathe Kittelsen, Guro Vasdal</i>
16:45	Workshops	
	Exploring the impact of early experiences on canine and feline behavior <i>Maria Andersson, Elin Hirsch</i> Beta	
	Activism in animal welfare – yay or a no-go? <i>Roi Mandel, Eva Read</i> Restaurant	
	Providing a good life to all animals: the importance of recognising, understanding and managing individual differences <i>Ellen Williams, Holly Vickery</i> Balkon Pi	
	A hands-on approach to bioacoustics in applied ethology <i>Patricia de Carvalho, Oluwaseun Iyasere, Buddhamas Pralle Kriengwatana</i> Restaurant	
	Animal welfare progress: co-creating effective solutions to improve animals' lives <i>Jean-Loup Rault, Laura Whalin</i> Restaurant	
	Bridging AI and animals – Are we In? <i>Borbala Foris, Andrea Sommesse</i> Theatron	
	From debate to dialogue – improving collaboration between animal welfare and genetics <i>Roos Zaalberg, Catherine Williams, Emily Leishman</i> Restaurant	
	CSRD reporting on animal health and welfare in dairy cows <i>Rozan van Rossum, Judith Vollering</i> Restaurant	
	Where do you draw the line? A conversation about how we use animals in our research as applied ethologists and welfare scientists <i>Katy Proudfoot, Bianca Vandresen, Caroline Ritter, Beth Ventura</i> Alfa	
	Observer reliability in animal behavior research: a workshop <i>Cassandra Tucker, Sarah Adcock, Jennifer Van Os, Carly Moody, Blair Downey</i> Megaron	
18:15	Poster viewing reception Gamma	

Wednesday, 6 August

09:00 **Plenary talk - Global challenges to animal welfare**

Theatron

Chaired by: Birte Nielsen and Anne-Marieke Smid

The WOA animal welfare commitment and challenges in a diverse world

Leopoldo Stuardo

Global challenges to animal welfare

Theatron

Chaired by: Birte Nielsen and Anne-Marieke Smid

Assessing affective states

Megaron

Chaired by: Anna K. Johnson and Charlotte Gourso

09:30 **Wild and unseen: Addressing the welfare crisis in global wildlife trade**

Helen Lambert, Angie Elwin, Neil D'Cruze

Physiological and behavioural indicators to evaluate pigs' positive emotions in an outdoor context

Marc Bagaria, Liza Moscovice, Yuliaxis Ramayo, Emma Fàbrega

09:45 **Behavioural changes relating to thermal stress and transport quality during the transport of finisher pigs**

Ena Dobrić, Miroslav Kjöseovski

Validation of the calf grimace scale following COSMIN guidelines

Mostafa Farghal, Ed Pajor, Stelio Pacca, Daniel Pang, Maria Camila Ceballos

10:00 **Effects of transportation methods on the behavior, welfare, and meat quality of Japanese Black Cattle**

Gianne Bianca Manalo, Jitsuo Mizowaki, Masayuki Nagase, Makoto Iwamoto, Kenta Koike, Mitsushi Kobayashi, Ninomiya Shigeru

Play ontogeny in young chickens – individual variation and connection to affective state

Rebecca Oscarsson, Per Jensen

10:15 **Influence of two different feeding intensities on behaviour in organically kept Holstein cows**

Noemi Kim Santo, Karolin Gondolf, Svenja Isabel Kaiser, Océane Schmitt, Uta König von Borstel

Affective bias testing confirms sex differences in rats' preference for how they are tickled

Catalina Gonzalez, Alistair Lawrence, Vincent Bombail, Sarah Brown, Emma Robinson, Michael Mendl

10:30 **Tea and coffee break - sponsored by Humane World for Animals**

Global challenges to animal welfare

Theatron

Chaired by: Sarah Adcock and Mariam Logunleko

Housing and management meeting behavioural needs

Megaron

Chaired by: Jen-Yun Chou and Fleur Hoorweg

11:15 **Navigating welfare challenges in China's livestock industry: from intensive farming to higher welfare practices**

Siyao Shi, Amélie Legrand

The presence of enrichment promotes positive welfare in dairy calves, increases play, activity and leads to more relaxed feeding with fewer interruptions *Francesca Occhiuto, Jorge Vázquez-Diosdado, Matthew Thomas, Andrew King, Jasmeet Kaler*

11:30	Preference of laying hens for synbiotic-supplemented water under stressful conditions <i>Anna Naim, Nienke van Staaveren, Emily Leishman, Dan Tulpan, Paul Forsythe, Alexandra Harlander</i>	Effect of pair housing on behaviour and gut microbiota of pre-weaned dairy calves <i>Gaia Pesenti Rossi, Marco Bovo, Emanuela Dalla Costa, Laura Filippone Pavesi, Martina Penati, Maria Filippa Addis, Filippo Biscarini, Paola Cremonesi, Bianca Castiglioni, Sara Barbieri, Elisabetta Canali</i>
11:45	Pig behaviour during transit – welfare hazards in assembly centres <i>Cecilie Kobek-Kjeldager, Line D. Jensen, Leslie Foldager, Marianne Kaiser, Karen Thodberg, Mette S. Herskin</i>	I can't get no sleep – Effects of husbandry and sex on sleep quantity in dairy calves <i>Sarah Mösel, Lukas Lindenberg, Moritz Fölsing, Jenny Stracke</i>
12:00	Identification and characterization of mismothering types in beef cattle and their associated risk factors <i>Emma Roux, Jennifer Pearson, Maria Camila Ceballos, Claire Windeyer, Ed Pajor</i>	The impact of social isolation on laboratory rodent health, replicability and translatability: a systematic review and meta-analysis <i>Jessica Cait, Marc T. Avey, Georgia Mason</i>
12:15	Consistent explorers: daily ranging variability, not duration or frequency, is linked to range motivation in meat chickens <i>Peta Taylor, Derek Schneider, Jean-Loup Rault</i>	Feather pecking and cannibalism prevalences on laying hen farms with mobile or stationary houses <i>Katrin Dorkewitz, Christiane Keppler, Daniel Gieseke, Simon Horbach, Ute Knierim</i>
12:30	Lunch (Packed lunch for excursion participants) Restaurant	
13:00	Excursions: - AAP: Exotic mammal rescue centre - Guided walk in nature reserve Oostvaardersplassen - Explore Utrecht - Farm visit 'Hoeve Boveneind' and outdoor farm golf - Farm visit 'Veld en Beek' - Fish welfare and insect breeding - Visit the Faculty of Veterinary Medicine - DierenPark Amersfoort (zoo) through the lens of animal behavior science	

Thursday, 7 August

09:00 **Plenary talk - Animal cognition**

Theatron

Chaired by: Liesbeth Bolhuis and Rebecca Nordquist

Lessons learned – the past, present, and (potential) future of farm animal cognition research

Christian Nawroth

Animal cognition

Theatron

Chaired by: Liesbeth Bolhuis and Rebecca Nordquist

**Housing and management meeting
behavioural needs**

Megaron

Chaired by: Maria Diez-Leon and Lara van Veen

09:30 **Exploring the role of inhibitory control in horses' coping behaviour**

Marie von der Tann, Rupert Palme, Uta König von Borstel, Désirée Brucks

Housing and management of backyard ducks in the US

Maja Makagon, Carly Moody

09:45 **Paying attention to attention: the effect of attention states on word learning in typical family dogs**

Irisz Legendy, Csenge Jáger, Dorottya Júlia Ujfalussy

Odourised straw prolongs straw-engagement, and increases play and rubbing behaviour in growing pigs

Maria Vilain Rørvang, Johanna Stenfelt, Sarah-Lina Aagaard Schild, Rebecca Grut, Cady W. Chan, Heta Rautiainen, Madeleine Ketner, Anna Wallenbeck, Anna Valros, Birte Nielsen

10:00 **What key features makes the goat's face so unique to its fellow goats?**

Jan Langbein, Anja Eggert, Katrin Siebert

Effective environmental enrichment for group-housed calves in pastoral dairy systems

Rhiannon Cox, Peta Taylor, Sarah Andrewartha, Oliver Radford, Megan Verdon

10:15 **Can house crickets (*Acheta domesticus*) weigh costs and benefits? Cognitive tests that inform insect sentience**

Amber Goede, Alexander Haverkamp, Dominique Tolsma, Laura Webb

Positive behavioral and welfare effects of structural enrichment on captive European seabass

Noelia Rodríguez López, Alba María Orgaz Ávalos, Esther Hoyo-Alvarez, Héctor García Palencia, Diego Aceituno Seoane, Nicolás Sáenz Lechón, Juana María Gutiérrez Arriola, Pablo Arechavala-Lopez

10:30

Biopolymer-based nesting material enhances nest-building behavior and welfare in farrowing sows

Thiago Bernardino, Matheus Saliba Monteiro, Bruno B.D. Muro, Marcos Vinícius Batista Nicolino, Ana Lígia Braga Mezzina, Rafaella Fernandes Carnevale, Roberta Yukari Hoshino, Giovanni Luis Santos de França, Erich Herzongenrath Cavaca Inácio, Cesar Augusto Pospissil Garbossa

10:30	Tea and coffee break - sponsored by Nederlandse Voedsel- en Warenautoriteit	
	Animal Cognition Theatron <i>Chaired by: Oluwaseun Iyasere and Vivian Goerlich</i>	Housing and management meeting behavioural needs Megaron <i>Chaired by: Maria Vilain Rørvang and Christina Rufener</i>
11:15	Standing in the way of control: physiological predictors of performance in horses in a stop-signal paradigm <i>Louise Evans, Heather Cameron-Whytock, Annika Paukner, Carrie Ijichi</i>	Aquaculture-related soundscapes increase startle response, latency to feed, and aggression rate but not the feed intake or physiology of <i>Clarias gariepinus</i> <i>Oluwaseun Ojelade, Ikililu Abdulraheem, Abiodun Akinde, Aminat Tijani, Mubarak Bamgbopa, Bosede Fasiku, Adeyemi Oluwaseyi</i>
11:30	Dogs experiencing chronic pain from osteoarthritis may experience inhibited improvement in cognitive test paradigms over time despite pain relief compared to healthy dogs <i>Maggie Creamer, Zoe Loh, Eleanor McNamee, KyShaun Bowie, Briana Dopfel, Nicole Harris, Sera Hill, Javian McMillan, Urwa Rashid, Lauren Sneed, Jennifer Thompsen, Masataka Enomoto, Liubov Arbeeva, Duncan Lascelles, Margaret Gruen</i>	Early life matters: intensification of smolt production in Recirculating Aquaculture Systems (RAS) fundamentally compromises salmon welfare at sea <i>Patricia Alves Pereira, Cynthia Schuck-Paim</i>
11:45	Chickens may perceive humans as social buffers and attend to human-given cues <i>Vitor Ferreira, Calesse Elise, Lucille Dumontier, Fabien Cornilleau, Julie Lemarchand, Auriane Foreau, Maxime Quentin, Léa Lansade, Celine Tallet, Xavier Boivin, Ludovic Calandreau</i>	Play behaviour of dairy calves in different housing systems <i>Pernille Olsen, Laura Whalin, Julie Føske Johnsen, Ruth Newberry</i>
12:00	Do welfare-enhancing conditions and measures on stress relate to cognitive training performance in weaned piglets? <i>Gwendoline Karoui, Celine Tallet, Jamie Ahloy-Dallaire</i>	Do laying hens show a rebound effect after the closure of a covered veranda? <i>Sabine G. Gebhardt-Henrich, Matthew Petelle, Michael Toscano</i>

12:15	Poster pitches Theatron <i>Chaired by: Oluwaseun Iyasere and Vivian Goerlich</i>	Poster pitches Megaron <i>Chaired by: Maria Vilain Rørvang and Christina Rufene</i>
	Assessment of inhibitory control in horses - development of a test battery <i>Marie von der Tann, Uta König von Borstel, Désirée Brucks</i>	The effects of pelleted forage on cross-sucking surrounding milk meals in pair-housed dairy calves <i>Gillian Plaughner, Emily Hiott, Melissa Cantor</i>
	Anticipatory behavior of post-weaned sows prior to feed delivery <i>Sarah Ibach, Thomas D. Parsons</i>	Foraging for flavour: how edible enrichment shapes behaviour in brown- and white-feathered birds on commercial rearing farms in Ontario <i>Jasmin Schiestel, Nienke van Staaveren, Mike Petrik, A. Michelle Edwards, Tina M. Widowski, Alexandra Harlander</i>
	Integrating behavioral health into veterinary care: a national survey in Belgian companion animals <i>Sofie Salden, Morgane Van Belle, Gaëlla van Walraven, Christel Moons, Jimmy Saunders, Anouck Haverbeke</i>	Behavioral changes in captive Bengal slow lorises (<i>Nycticebus bengalensis</i>) with enrichments <i>Kareem Said Ismail, Stephen Chan, Jeffrey Chu, Yuan Yuan Zhang</i>
	Is the animal in pain? A pilot-study on the communication between animal owners and veterinarians <i>Anja Pedersen, Elsa Lindström, Olivia Bäckström, Anna Bergh</i>	Moving individually housed dairy calves early (11 days of life) rather than late (56 days of life) to group-housing: effects on behaviour, stress levels and health - A pilot study <i>Karolin Gondolf, Anina Vogt, Uta König von Borstel</i>
	Dogs' (<i>Canis lupus familiaris</i>) reactions to high volume ultrasonic stimuli: evaluating its potential as a non-lethal deterrent for wolves (<i>Canis lupus</i>) <i>Annika Held, Anna Lena Blaschke, Melissa Vanderheyden, Franziska Kuhne, Henrik Wagner, Katja Trinkaus, Uta König von Borstel</i>	Barn climate advice and pig tear staining: preliminary insights into an emerging welfare indicator <i>Kenny van Langeveld, Nienke van Staaveren, Noémie van Noten, T. Bas Rodenburg, Frank Tuytens</i>
	The welfare assessment of goats: an abattoir-based study in Pakistan <i>Asfa Sakhawat, Rebecca Doyle, Muhammad Hayat Jaspal, Peter Thomson</i>	Pecking blocks reduce feather pecking and improve plumage condition of hens in enriched colony systems <i>Madeleine McAuley, Nienke van Staaveren, Alexandra Harlander, A. Michelle Edwards, Tina M. Widowski</i>

Comparing training methods to promote better animal welfare, pain management, and the 3Rs for animals in the research and teaching industry using the Grimace Scales

Shari Cohen, Sabrina Lomax, Lauren Hemsworth, Joy Tripovich, Kate Brandis, Eve Slavich, Joy Becker

Perching requirements for pullets: preferences for grasping and elevation

Madison Penney, Alexandra Harlander, Vicky Sandilands, Janice Siegford, Tina M. Widowski

Can they adjust? Understanding the behaviour of adopted northern Canadian community dogs from the perspective of their new owners

Dani Sorbie, Andrew Cooke, Beth Ventura

Dairy cow-calf contact systems: a characterization of practices in USA and Canada

Marine Durrenwachter, Emeline Nogues, Dave L. Renaud, Joao H.C. Costa, Kate Creutzinger

Feeding behavior patterns and performance: within-calf starter intake variability is associated with solid feed intake

Ekaterina Lopez-Bondarchuk, Tadeu Eder Da Silva, Joao Vitor Ribeiro Lovatti, Joao H.C. Costa

Early peer housing allows for behavioural opportunities in dairy calves

Michail Moroz, Laura Whalin, Joao H.C. Costa, Ruan Daros

A descriptive study of beef cow reactivity consistency over time

Eva Mutua, Ed Pajor, Manuel Juárez, Aline Sant'anna, Claire Windeyer, Maria Camila Ceballos

Perch use of male layer chickens under experimental rearing conditions

Nadja Zimmermann, Yamenah Gomez

Rethinking temperament trait evaluation: a scoping review of tests and methodologies used to assess temperament traits in livestock animals

Guadalupe Ceja, Peyton Roberts, Courtney L. Daigle

Effects of two free farrowing systems on the productive performance and welfare of sows

Nancy Huanca, Laura Estévez Moreno, Genaro Miranda- de la Lama, Adriana de Pilar Pastrana Camacho

Small but mite-y: Influence of northern fowl mite infestation level on laying hen behavior

Hayley Sutherland, Luiz Brito, Amy Murillo, Marisa Erasmus

Optimizing nestbox design: the impact of airflow and visual seclusion on farmed mink (Neogale vison) behaviour and welfare

Rosemarijn van Schaik, Rebecca Meagher, Maria Diez- Leon

Falling down or falling asleep: nocturnal behaviours of horses with sleep disorders

Iina Brotherus, Anna Mykkänen, Marianna Norring, Tarja Pääkkönen, Aino Rehn, Henna-Kaisa Wigren, Laura Hänninen

Spotting the signs: early life traits associated with tail damage in pigs

Rutu Galea, Mark Stevenson, Megan Lucas, Kate Plush, Rebecca Morrison, Paul Hemsworth, Lauren Hemsworth

Continuous recording of oral abnormal repetitive behaviors in Jersey and Holstein post-weaned heifers

Isabelle McDonald-Gilmartin, Chloe Bolanos, Blair Downey, Cassandra Tucker

Giving donkeys a good life: an applied example of designing housing to meet the behavioural needs of donkeys

Sarah Worth, Craig Duntun, Maxine Carter, Ben Hart, Stuart Norris, Jo Hockenhull, Hannah Bryer, Ruth Angell

Changes in the frequency of social interactions in captive shoebills after separation of male and female

Izumi Narasaki, Toshihiro Nagashima, Noriko Katsu, Kazunori Yamada

Care of the elderly hen: Do keel bone damage and foot problems affect the roosting preferences of older laying hens?

Steeley Ellis, Linda Caston, Alexandra Harlander, Madison Penney, Vicky Sandilands, Janice Siegford, Tina M. Widowski

Effects of swine appeasing pheromone on weaning stress: physiological evaluation of plasma glucose levels in piglets

Jade Pellenz, Yuso Tutida, Fabricio Beker, Cleandro Pazinato Dias

Comparing the influence of housing conditions and age at the start of preparation for stallion licensing on the horses' behavior during a novel object test

Tina Engler, Katharina Kirsch, Lara Klitzing, Fabienne Eichler, Mechthild Wiegand, Gundula Hoffmann, Christa Thöne-Reineke

An evaluation of the relationship between beef cattle grazing activity traits and conception methods during the breeding season

Jason Dubowsky, Amelia Katz, Julie Huzzey, Zachary McFarlane

Farmed fish welfare in Egypt: Surveying current practices and future directions for tilapia culture

Wassem Emam, Mohamed Bakr, Charlotte Flores, Christopher Bryant

Effects of selection for divergent levels of social motivation on behavioral repertoire and synchronization in Japanese quail (*Coturnix japonica*)

Jeanne SERESSIA, Marie Gellé, Fabien Cornilleau, Julie Lemarchand, Léa Lansade, Ludovic Calandreau, Vitor Ferreira

Comparative behavioral analysis of Berkshire and LWD piglets in Free Farrowing System

Yuki Tokunaga, Haruki Kimoto, Anju Shimizu, Saya Takayama, Takeshi Yamanaka, Toshiaki Inenaga, Shuichi Ito

A pilot study of physical activity and sleep in dogs and dog owners participating in a joint outdoor exercise program

Klara Smedberg, Anna Bergh, Erika Roman, Sören Spörndly-Nees, Jan Eriksson, Lena Kallings, Josefin Söder

3D Pose estimation reveals variations in discomfort-alleviating motions when getting up in restrictive cubicles

Adrien Kroese, David Berthet, Lena-Mari Tamminen, Nils Fall, Moudud Alam, Niclas Högberg

A systematic review of public perspectives of zoo animal behaviour and welfare

Nicki Phillips, Laëtitia Maréchal, Beth Ventura, Jonathan Cooper

Effect of a new fennel essential oil composed environmental enrichment on the feeding behavior of rabbits

Leandro Batista Costa, Isabela Bez, Juliana Melo Pankratz, Anna Clara Marques Souza, Mariana Blanc Taques, Iasmin Leoni Rocha Salles

Effect of a specific sensory additive on human fear test response and wellbeing in broilers production before catching

Juliette Foglio, Aline Flament, Elisa Arnaud, JeanFrançois Gabarrou

Assessing owner ratings of dog pain sensitivity and their association with everyday dog behavior through questionnaires

Felicia Palm, Eva Hydbring-Sandberg, Erika Roman, Katja Nilsson, Anna Bergh, Katja Högglund, Eva Kosek, Kenth Svartberg

12:45	Lunch Restaurant	Table Topics Restaurant
14:15	Plenary talk - Behavioural problems in veterinary practice Theatron <i>Chaired by: Saskia Arndt and Océane Schmitt</i> Essentials of Clinical Ethology <i>Claudia Vinke</i>	
	Behavioural problems in veterinary practice Theatron <i>Chaired by: Saskia Arndt and Océane Schmitt</i>	Housing and management meeting behavioural needs Megaron <i>Chaired by: Vicky Sandilands and Lu Luo</i>
14:45	Genetics of anxiety and OCD in dogs <i>Alexandra Dwulit, Megan Dillon, Rachael Thomas, Julia Labadie, Rajendra Morey, Matthew Breen</i>	Care to share? Using social feeding behaviour as a novel method of assessing social motivation <i>Sarah Kappel, Emeline Nogues, Daniel Weary, Nina von Keyserlingk</i>
15:00	Exploring cat quality of life: bridging subjective perceptions and objective assessments <i>Andrea Sommesse, Katharina Galunder, Christine Arhant, Raffaella Lesch, Akos Pakozdy, Zsafia Viranyi, Ines Windschnurer</i>	Do trees matter? A comparison of pig behaviour in agroforestry and grassland systems in a temperate maritime climate <i>Stephanie Buijs, Nicola Mitchell, Rodrigo Olave, Ramon Muns</i>
15:15	Effects of single- or pair-housing on the welfare of shelter dogs: behavioral and physiological indicators <i>Erica Feuerbacher, Grace Hecker, Katherine Martineau, Mariah Scheskie, Rhonda Hammerslough</i>	Novel insights into lactating sow behavior after release from temporary crating <i>Thomas D. Parsons, Zachary Royle</i>
15:30	Clicking with cats: assessing socialization methods on Domestic Cat (<i>Felis catus</i>) behaviour in the animal shelter environment <i>Katie Burt, Julie Posluns, Carolyn Walsh</i>	The effect of fermentable diets fed to pigs on startle reflex and response to a novel arena <i>Kate Plush, Lauren Staveley, Sally Tritton, Edward Clayton, Robert Hewitt, Darryl D'Souza</i>
15:45	Does cat's personality and behaviour during veterinary consultations influence their physiological parameters? <i>Paula Cieslinski, Ruan R. Daros</i>	Impact of limited and unequal wing use on resource utilization and keel bone integrity in laying hens <i>Renee Garant, Bret Tobalske, Neila BenSassi, Nienke van Staaveren, Dan Tulpan, Tina M. Widowski, Donald Powers, Alexandra Harlander</i>
16:00	Tea and coffee break	

	Free papers Theatron <i>Chaired by: Else Verbeek and Laura Hänninen</i>	Free papers Megaron <i>Chaired by: Cassandra Tucker and Isabela Bez</i>
16:45	Stability of social network metrics for indoor-housed pigs (<i>Sus Scrofa</i>) after group disruption <i>Jen-Yun Chou, Abigail Tiltson, Sarah Ambruosi, Jean- Loup Rault, Irene Camerlink, Keelin O'Driscoll</i>	A first look at the ear directed behaviours of weaner pigs after the development of ear necrosis <i>Lucy Markland, Keelin O'Driscoll, Finola Leonard, Laura Boyle</i>
17:00	Boosting statistical power in ethology: continuous data are superior to ordinal and binomial data <i>Frank Tuytens, Bart Ampe</i>	Seeking social touch: the involvement of the opioid reward system on the hedonic response of fish <i>Marta Soares, Heloysa Araújo-Silva, Inês Rodrigues, Ana Luchiari, João Saraiva, Caio Maximino</i>
17:15	Full repertoire of Pekin duck vocalizations & effects of specific vocalizations on conspecifics suggest alarm and calming calls <i>Jenna Schober, Gregory Fraley</i>	Comparison of different dominance indices for determining social rank positions in groups of weaned piglets <i>Michaela Fels, Swetlana Herbrandt, Nicole Kemper</i>
17:30	Annual General Meeting ISAE Theatron	
19:30	Congress dinner Fort Voordorp	

Friday, 8 August

09:00 **Plenary talk**

Theatron

Chaired by: Eddie Bokkers and Sabine Dippel

Let's be Open: Improving Data Sharing Practices in Applied Ethology

Sarah Adcock

Automated monitoring of behaviour

Theatron

Chaired by: Eddie Bokkers and Sabine Dippel

Human-animal interactions

Megaron

Chaired by: Janne Winther Christensen and Kathalijne Visser

09:30 **Tracking broiler breeder movements: examining sex differences in space use with UWB technology**

Annemarie Mens, Malou van der Sluis, Rick van Emous

Development of sheep responsiveness to human body odor, specifically odor cues driven by emotional states

Izïa Larrigaldie, Fabrice Damon, Léa Lansade, Benoist Schaal, Alexandra Destrez

09:45 **Standing out from the flock: using automated assessment of behaviour to understand individual sheep behaviour and welfare**

Cathy Dwyer, Michelle Reeves, Ann McLaren, Nicola Lambe, Aimee Walker, Fiona Kenyon, Claire Morgan-Davies

Manners over mood? Dogs' trainability—not their emotion—earns them office access

Joni Delanoeije

10:00 **Behavioural and cardiac responses of European seabass in sea- cages: Insights for welfare states assessment**

Esther Hoyo-Alvarez, María J. Cabrera-Álvarez, Margalida Vanrell, Arjan P. Palstra, Pablo Arechavala-Lopez

Behavioural reactivity of indigenous and commercial lambs towards humans

Maud Bonato, Jasper Cloete, Schalk Cloete

10:15 **Monitoring flock-level spatial behavior for stress detection in commercial laying hens**

Lara van Veen, Anne van den Oever, Henry van den Brand

Emotional contagion from humans to horses through odors

Plotine Jardat, Alexandra Destrez, Fabrice Damon, Noa Tanguy-Guillo, Anne-Lyse Laine, Céline Parias, Reigner Fabrice, Vitor Ferreira, Ludovic Calandreau, Léa Lansade

10:30	Poster pitches Theatron <i>Chaired by: Eddie Bokkers and Sabine Dippel</i>	Poster pitches Megaron <i>Chaired by: Janne Winther Christensen and Kathalijne Visser</i>
	Identification and classification of pig vocalisations in the context of tail-biting <i>Adèle Denis, Océane Amichaud, Alexandre Poissonnet, Johan Thomas, Patrick Touanel, Carole Guerin, Celine Tallet, Valérie Courboulay</i>	Can riders identify sleep deprivation in their horses prior to competitions? <i>Angela Perrone Barbosa, Tiago Marcelo Oliveira, Sarah Sarah Raphaëla Torquato Seidel, Paula Keiko Anadão Tokawa, Fernando Mosquera Jaramillo, Neimar Vanderlei Roncati, Raquel Yvonne Arantes Baccarin</i>
	Expression of sickness behaviors is linked to personality traits in dairy calves with neonatal diarrhea <i>Allison Welk, Heather Neave, Joao Henrique Cardoso Costa, Melissa Cantor, Charlotte Winder, Dave L. Renaud</i>	Impact of rider levels and horse experience on heart rate variability in riding lesson horses <i>Caleigh Copelin, Lais Rabel, Katrina Merckies</i>
	Associations between feed efficiency and feeding patterns in yearling Angus bulls <i>Amelia Katz, Jason Dubowsky, Julie Huzzey, Zachary McFarlane</i>	Methods for improving shelter cat welfare during routine nail trims <i>Jennifer Link, Julie Posluns, Carly Moody</i>
	Development of an automated tool for monitoring tail length and lesions in pig slaughterhouses <i>Angela Ramon-Perez, Sofia Gol, Joan Arbat, Josep Reixach, Pol Llonch</i>	Effects of maternal rearing on the emotional reactivity of goat kids and their relationship with humans before and after weaning <i>Marianne Berthelot, Nadège Aigueperse, Maylis Duminiel, Aurélie Lecacheur, Flavien Delvaux, Blanche Deloupy-Dobin, Jérôme Bouchérot, Anthony Retord, Thierry Fassier, Elodie Chaillou, Raymond Nowak, Marie-Madeleine Mialon</i>
	Automated detection and classification of laying hen vocalizations using a pre-trained transformer <i>Antonis Golfidis, Buddhadas Pralle, Kriengwatana, Mina Mounir, Tomas Norton</i>	Is there vertical social transmission of the animal-human relationship in pigs? <i>Marietta Amann, Susanne Waiblinger, Paul Hemsworth, Lena Lidfors, Stephanie Lürzel</i>
	Relative changes in feeding behavior as indicators of calf training success on robotic milk feeders <i>Breanna Bone, Robert James, Melissa Cantor</i>	Integrating temperament and physiology: A strategic approach to white-lipped peccary (Tayassu pecari) conservation <i>Lucas Rossini, Sérgio Nogueira-Filho, José Maurício Duarte, Selene Nogueira</i>

**Identifying tail-biters before damage occurs:
A tracking-by- detection approach**

Clémence A.E.M. Orsini, Shoujun Huo, Jacinta Bus, Patrick P.J.H. Langenhuizen, Peter H.N. De With, Piter Bijma, Liesbeth Bolhuis, Inonge Reimert

Bark to the future: a mixed-method investigation of dog owners' views on dog monitoring technologies

Luís Fernando Costa Garrido, Ruan R. Daros, Bianca Vandresen, Courtney Graham, Beth Ventura

Dynamics of milking behavior and performance of Holstein cows affected by mastitis in an automatic milking system

Constanza Hernandez-Gotelli, Pablo Pinedo

Behavior and personality of Holstein dairy and dairy × beef crossbred calves

Madison Pinkerton, Heather W. Neave, Jessica Pempek

Exploring the use of a computer vision-based mapping technique to estimate laying hen position in cage-free housing environments

Gideon Ajibola, Logan Orians, Javier Garcia, Esteban Fernandez-Juricic, Deana Jones, Gregory Fraley, Patrick Zollner, Darrin Karcher, Marisa Erasmus

Using the Behaviour Change Wheel to understand practice change in the Australian sheep industry

Madeleine Woodruff, Stuart Barber, Carolina Hess, Grahame Coleman, Rebecca Doyle

Measurement of dogs' activity pre- & post-adoption

Grace Phillips, Lisa Gunter

Snack-based administration of Neem Cake in calves: a strategy to reduce physical restraint

Juliana Melo Pankratz, Saraane Cristina da Costa, Matheus de Freitas Nascimento, Michail Moroz, Daniel Ollhoff

Connecting ear motions to emotions: the use of computer vision to detect ear postures in dairy cows

Imran Ullah Gondal, Jan C Plaizier, Christopher Henry, Meagan TM King, Gabriel Dallago

Feline stakeholder attitudes and opinions on community cat welfare (Part II)

Nattawipa Ampaiwan, Jacquelyn Jacobs

Multi-camera tracking of Jersey cattle in calving pens

Mahejabeen Hossain Nidhi, Chuanyi Guo, Li Lyu, Zheng He, Zhaojin Guo, Kai Liu, Kate Flay

Do topical gels containing oleic acid and fish oil reduce the piglet pain response following surgical castration?

Omowumi Olatinwo, Jennifer Young, Tetiana Shevtsova, Andriy Voronov, Christopher Byrd

Using data from automated calf feeders to predict weaning performance of dairy calves

Malina Suchon, Théo Quemener, Laura Field, Marina von Keyserlingk, Daniel Weary

Getting close up: the influence of dominance, sex and kinship on physical contact in pigs

Piero Seddaiu, Simon Turner, Irene Camerlink

Milking behaviour dynamics in cows affected by lameness in a multibreed batch milking dairy with automated milking units

Pablo Munoz Boettcher, Juan Velez, Nelson Rodriguez, Pablo Pinedo

Improving laboratory pig welfare in high-impact infectious disease studies

Rachel Layton, David Beggs, Peter Mansell, Andrew Fisher, Daniel Layton, Sarah Riddell, Grace Taylor, Teegan Allen, Elisha Soldani, David Williams, Kelly Stanger

	Preference in milking robot station throughout the lactation of Holstein, Jersey, and Holstein x Jersey crossbred cows in an automatic batch milking system <i>Richard Weng Zheng, Juan Velez, Nelson Rodriguez, Pablo Pinedo</i>	Effect of plumage colour on fear behaviour in intensively raised guinea fowl keets <i>Afusat Ladejobi, Oluwaseun Iyasere, Samuel Durosaro, mathew wheto, Damilola Adebambo, John Shoyombo, Olayinka Alabi, Olayanju Adebisi, Abdulmojeed yakubu, Osamede Osaiyuwu, Mustapha Popoola, Comfort Ukim, Babatunde Ilori, Olufunmilayo Adebam</i>
	Evaluating geolocation collar data for monitoring livestock health and parturitions in mountainous areas <i>Roger Vidal, Emma Fàbrega, Antoni Dalmau</i>	Associating behavioral and physiological biomarkers with judgment bias test outcomes in weaned pigs <i>Vivian Witjes, Ingrid de Jong, Francisca Velkers, Liesbeth Bolhuis, Annemarie Rebel, Arjan Stegeman, Ellen Meijer</i>
	Technology vs. tradition: analyzing foraging enrichment use in laying hens with RFID and video observations <i>Violet Hipkin, Alexandra Harlander, Elijah G. Kiarie, A. Michelle Edwards, Tina M. Widowski</i>	Evaluating the impact of age and diurnal rhythm on the development of the behavioral repertoire of broiler chicks <i>Alexandra Jackson, Denise Landers, Dianna Bourassa, Joseph Purswell, Bethany Baker-Cook</i>
	Accelerometers as a tool for studying aviary style and age effects on laying hen activity <i>Xiaowen Ma, Janice Siegford, Vrinda Ambike, Jacquelyn Jacobs, Janice Swanson, Tina M. Widowski, Ahmed Ali</i>	
	Effects of age and diet on calf activity during ferry and road transportation <i>Susanne Siegmann, Luca van Dijk, Niamh Field, Gearoid Sayers, Katie Sugrue, Kees van Reenen, Eddie Bokkers, Muireann Conneely</i>	
11:00	Tea and coffee break	
	Automated monitoring of behaviour Theatron <i>Chaired by: Iris Boumans and Clémence A.E.M. Orsini</i>	Human-animal interactions Megaron <i>Chaired by: Sabine Gebhardt-Henrich and Bianca Vandresen</i>
11:45	Assessing ewe welfare: ewe-lamb distance measured by Bluetooth Low Energy data <i>Michelle C. Reeves, Aimee Walker, Fiona Kenyon, Tony Waterhouse, Ann McLaren, Claire Morgan-Davies, Nicholas Jonsson, Emma Baxter, Cathy Dwyer</i>	Do not disturb: Daily handling prolongs development, reduces survival, and decreases body size in farmed adult black soldier flies (Hermetia illucens; Diptera: Stratiomyidae) <i>Samuel Durosaro, Mariangeles Zacarias, Erin Atkinson, Alexander Glica, Angie Gomez, Ellie Jones, Elijah Persson-Gordon, Rodrigo Rodriguez-Guevara, Meghan Barrett</i>

12:00	Automated video-based recognition of tail and ear biting in pigs <i>Qinghua Guo, Clémence A.E.M. Orsini, Patrick P.J.H. Langenhuizen, Yue Sun, Shoujun Huo, Inonge Reimert, Liesbeth Bolhuis, Piter Bijma, Peter H.N. De With</i>	High rank, low stress – hierarchy-dependent behavior of dogs in the Strange Situation Test <i>Viktória Bakos, Kata Vékony, Péter Pongrácz</i>
12:15	Validation of a 3D camera system to monitor pig behaviour in response to vaccines and other challenging events <i>Rick D'Eath, Emma Baxter, Simone Foister, Gita Utama</i>	Can a novel on-site behavioral test identify new personality traits for weaned piglets? <i>Isabela Bez, Gabriel K. Nakamura, Beatriz Soares Souza, Leandro Batista Costa, Heather W. Neave, Ruan R. Daros</i>
12:30	Development and computer-assisted validation of an RFID system for monitoring night-time perching behaviour in chickens <i>Serge Alindekon, T. Bas Rodenburg, Jan Langbein, Birger Puppe, Olaf Wilmsmeier, Sebastian Wille, Helen Louton</i>	What can rats teach us about positive animal welfare? <i>Alistair Lawrence</i>
12:45	Closing ceremony Theatron	
13:30	Lunch Restaurant	
14:30	Excursion Lely Farm	

Posters

Posters will be on display in the **Gamma room** on the 3rd floor.

Poster presentation by authors is scheduled as follows:

Tuesday, 5 August - poster reception:

18:25–19:30 All poster presenters: *stand with your poster*

Wednesday, 6 August

10:30–11:15 Uneven poster numbers: *stand with your poster*

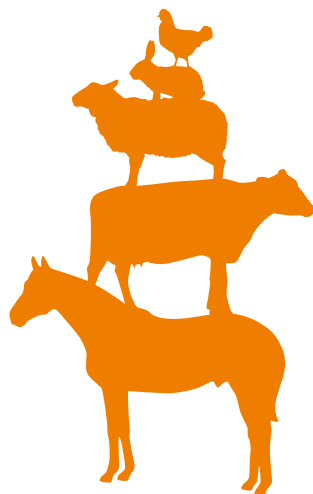
Thursday, 7 August

10:30–11:15 Even poster numbers: *stand with your poster*

16:00–16:45 Uneven poster numbers: *stand with your poster*

Friday, 8 August

11:00–11:45 Even poster numbers: *stand with your poster*



Poster number	Presenting Author First Name/Last Name		Title
1	Yuko	Moroki	Effects of transport on end-of-breeding parent stock chickens
2	Yifei	Yang	Effects of stocking density during simulated transport on behaviour and physiology of largemouth bass (<i>Micropterus salmoides</i>)
3	Dengsheng	Sun	What are we talking about when we talk about animal welfare in sustainable livestock systems?
4	Xiaowen	Ma	Accelerometers as a Tool for Studying Aviary Style and Age Effects on Laying Hen Activity
5	Jua	Woo	Association between farrowing duration, gut microbiota composition, and postural changes in primiparous sows
6	Woohee	Chung	Gut microbiota alteration in response to social behaviours and skin lesions in growing pigs after regrouping
7	Wesley	Wessels	A systematic review and meta-analysis of lameness scoring methods and the prevalence of lameness and claw disorders of dairy cows in North-West Europe
8	Madeleine	Woodruff	Using the Behaviour Change Wheel to understand practice change in the Australian sheep industry
9	Wasseem	Emam	Farmed fish welfare in Egypt: Surveying current practices and future directions for tilapia culture
10	Vijay Pal	Singh	Friend or Foe: understanding public perception of stray dogs in India
11	Vincent	Bombail	Sexually dimorphic symptoms of happiness: using rat tickling to investigate the biology of positive welfare and resilience.
12	Vilja	Hukkinen	Effects of different farrowing systems on farrowing and piglet growth and survival
13	Victor	Brusin	Veterinarians' and technical experts' perspectives on the adoption of immunocastration in Brazil: preliminary results
14	Violet	Hipkin	Technology vs. Tradition: Analyzing Foraging Enrichment Use in Laying Hens with RFID and Video Observations
15	Esther	Van Haver	Do farm animals like music? A systematic review for farm animal welfare
16	Bianca	Vandresen	It's not black and white: Perspectives of Western Canadian beef farmers on dairy-beef production
17	Valentina	Bongiorno	Impact of aviary enclosure on wing flapping in cage-free laying hens
18	Vivian	Witjes	Associating behavioral and physiological biomarkers with judgment bias test outcomes in weaned pigs.
19	Vivian	Goerlich	Giraffe networking: how do changes in group composition affect social networks amongst male bachelor groups?
20	Uta	König von Borstel	Judgment bias in turkey (<i>Meleagris gallopavo domestica</i>) when housed in a small versus very large group
21	Yuki	Tokunaga	Comparative behavioral analysis of Berkshire and LWD piglets in Free Farrowing System

Poster number	Presenting Author First Name/Last Name		Title
22	Tina	Engler	Comparing the influence of housing conditions and age at the start of preparation for stallion licensing on the horses' behavior during a novel object test
23	Thomas	Ede	Gilts are motivated to exit a stall
24	Tadeu Eder	Da Silva	Decoding Behavioral and Physiological Cow Variability Through Precision Dairy Technologies: A Comprehensive Analysis
25	Shawna	Weimer	Bovine appeasing substance minimally impacts behavioral and physiological indicators of welfare in beef calves purchased at auction
26	Hayley	Sutherland	Small but mite-y: Influence of northern fowl mite infestation level on laying hen behavior
27	Hayley	Sutherland	Thermal perches as cooling devices for reducing heat stress in laying hens
28	Susanne	Waiblinger	Will you trust me? Behaviour of calves towards their caretakers and vice versa in cow-calf contact rearing systems with pasture
29	Arvind	Sharma	Gaushalas (cow shelters) in India - Current scenario and future perspectives
30	Susanne	Siegmann	Effects of age and diet on calf activity during ferry and road transportation
31	Stijn	Brouwers	Improving dairy cow welfare with flexible neck straps while maintaining hygiene
32	Steffi	Wiedemann	Enhancing Animal Welfare Education Through Interactive Comics
33	Stefania	Celozzi	Vocal correlates of negative emotional arousal in lambs (Ovis aries): relationship with behavioural and physiological indicators
34	Stefan	Gunnarsson	Resting during day- and night-time in slower growing broiler hybrids (Gallus gallus domesticus)
35	Steeley	Ellis	Care of the elderly hen: Do keel bone damage and foot problems affect the roosting preferences of older laying hens?
36	Marek	Špinka	Piglets play more when sow is free, all other things being equal
37	Sofie	Salden	Integrating behavioral health into veterinary care: a national survey in Belgian companion animals
38	Sinae	Cheon	Analysis of IACUC rejections of animal experiment in Korea (2019-2023) with a focus on animal welfare
39	Sarah	Ibach	Anticipatory behavior of post-weaned sows prior to feed delivery
40	Sharita	Jharap	Living conditions of broiler chickens in Suriname: is there attention for animal welfare?
41	Shari	Cohen	Comparing training methods to promote better animal welfare, pain management, and the 3Rs for animals in the research and teaching industry using the Grimace Scales
42	Severine	Parois	Can a one-shot session of a spatial discrimination task inform us on the affective states of pigs?

Poster number	Presenting Author First Name/Last Name		Title
43	Sehrish	Malik	Automated video analysis for monitoring of sow behavior: Identifying key maternal traits for improved piglet survival
44	Sébastien	Goumon	The current state of research on peer social bonds in farm animals.
45	Sarah	Worth	Giving donkeys a good life: an applied example of designing housing to meet the behavioural needs of donkeys
46	Sarah	Ambruosi	Can social behaviours of piglets inform us on their affective state? An experimental approach under contrasted housing conditions.
47	Sarah	Adcock	The maternal-offspring relationship in tailed and docked ewes and their lambs
48	Sara	Hintze	By your side - Social support in a Judgement Bias Task decreases stress-related behaviours while not affecting task performance in pigs
49	Samantha	Vitek	Feeling good? Positively-valenced behavior of fast- and slow-growing broilers in low- or high-complexity environments
50	Leandro	Sabei	Mom is calling! Sows nursing vocalization changes with the housing system
51	Saara	Kupsala	Animal caretaker perceptions and experiences of the use of local anaesthesia in piglet castration in Finland
52	Hyungwook	Kang	Early detection of calf diarrhea using sensor technology
53	Qing	Yang	From Cages to Cage-Free: A Qualitative Exploration of Chinese Egg Producers' Views on the Opportunities and Challenges to Adopting Cage-Free Egg Production Systems in China
54	Saskia	Kliphuis	The relationship between foraging enrichment and contrafreeloading behaviour in laying hens
55	Simon	Horbach	Risk factors associated with keel bone damage and comb injuries in laying hens kept in mobile housing systems
56	Sandra	Haven-Pross	Affective states of dogs in animal-assisted services: a principal component analysis approach
57	Sarah	Bolton	What does 'solving' the surplus dairy calf challenge look like? Australian public attitudes to future scenarios
58	Rosemary	Whittle	Smoothing the way forward: A new approach to broiler mobility analysis
59	Rutu	Galea	Spotting the signs: Early life traits associated with tail damage in pigs
60	Ruan R.	Daros	Can we predict cat behaviour in veterinary consultations through personality assessment?
61	Roger	Vidal	Evaluating geolocation collar data for monitoring livestock health and parturitions in mountainous areas
62	Rosemarijn	van Schaik	Optimizing nestbox design: the impact of airflow and visual seclusion on farmed mink (<i>Neogale vison</i>) behaviour and welfare
63	Richard	Weng Zheng	Preference in milking robot station throughout the lactation of Holstein, Jersey, and Holstein x Jersey crossbred cows in an automatic batch milking system



Poster number	Presenting Author First Name/Last Name		Title
64	Richard	Mott	Evaluation of alternatives to straw bedding for grower and finisher pigs commercial in indoor systems
65	Ricard	Parés	Sternal evaluation by palpation as an animal-based indicator of comfort around resting
66	Rebecca	Grut	Comparing Reaction Scores, Latencies, and Heart Rate as Measures of Fear in Icelandic Horses
67	Rachel	Layton	Improving laboratory pig welfare in high-impact infectious disease studies
68	Rebeka	Zsoldos	Comparing physiological responses and behaviour of exercising horses in the automated horse walker and on the lunge
69	Paula R.	Huenchullán	Assessing heat stress in dairy cows by using three thermal comfort indices
70	Peter	Sandøe	Does increasing the food-related activity of indoor cats lower their attention-seeking behaviors?
71	Omowumi	Olatinwo	Do topical gels containing oleic acid and fish oil reduce the piglet pain response following surgical castration?
72	Rielle	Perttu	Enhancing Swimming Activity in Captive African Penguins: Evaluating the Impact of Sensor-Activated Bubble Machine Enrichment
73	Pablo	Munoz Boettcher	Milking behaviour dynamics in cows affected by lameness in a multibreed batch milking dairy with automated milking units
74	Jillian	Hendricks	The effect of chronic feed restriction on cognitive functioning in dairy calves
75	Piero	Seddaiu	Getting close up: the influence of dominance, sex and kinship on physical contact in pigs
76	Ayoola	Oluyemi	Growth Performance, Iron Concentration and Behavioural Response of Weaned Pigs Raised on Different Bedding Materials
77	Ayoola	Oluyemi	Growth, Behaviour and Stress Response of Weaned Pigs to Different Space Utilization on Elevated Platforms
78	Anna	Olsson	Tricky trainees and troubled teachers: challenges in live laboratory animal handling classes
79	Oleksiy	Guzhva	OinkScope – A Computer Vision-based Spatial Intelligence tool for Monitoring Behaviour of Group-Housed Pigs
80	Océane	Schmitt	Automated annotation of inter-individual distances to assess goats' social behaviours
81	Emmanuel	Nyamekye	Assessing The Attitudes Of Ghanaians Regarding Farmed Chicken Welfare, Higher Welfare Egg-Labeling, And Willingness To Pay
82	Niels	Demaître	Optimizing enrichment strategies to enhance hen longevity
83	Niclas	Högberg	Who's hogging the brush? Exploring pig brushing behaviour in a commercial environment

Poster number	Presenting Author First Name/Last Name		Title
84	Nancy	Huanca	Effects of two free farrowing systems on the productive performance and welfare of sows
85	Sadahiko	Nakajima	Voluntary wheel running induces nausea in laboratory rats: No sign of nausea habituation over 20 days
86	Nadja	Zimmermann	Perch use of male layer chickens under experimental rearing conditions
87	Nienke	Endenburg	Measuring horse welfare during Equine-Assisted Interactions with military veterans with PTSD.
88	Megan	Woodrum Setser	Cow Agency: Investigating Self-Regulated Dry-Off for Cows in an Automatic Milking System
89	Marisol Parada	Sarmiento	Gilts transitioning from a group pen to individual crates express an increase in abnormal behaviors
90	Madison	Penney	Perching Requirements for Pullets: Preferences for Grasping and Elevation
91	Madison	Pinkerton	Behavior and personality of Holstein dairy and dairy × beef crossbred calves
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104	Marta	De Santis	Therapy dog's hormonal and behavioural responses during a simulation of animal assisted interventions

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107	Mathilde	Coutant	Conventional space density impairs night resting, feeder access, and pen hygiene in fattening pigs
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117	Malou	van der Sluis	Digging behaviour in production rabbits: is it a true behavioural need?
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125	Lu	Luo	Effects of early life socialization on social preference and behaviours towards familiar and unfamiliar conspecifics in pigs

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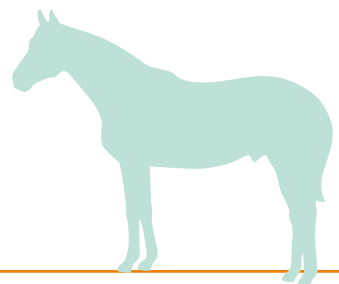


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