

ISAE 2019 Draft Theatre Programme (Subject to Change)

Monday, 5th August

9.00		Council Meeting - 9.00-16.00
15.00	Registration & Placement of Group A Posters - 15.00-21.00	Welcome Reception - 19.00-20.00
19.00		

Tuesday, 6th August

8.00	Registration & Placement of Group A posters - 8.00-9.00	
9.00	Opening of the conference - 9.00-9.30	
9.30	Wood-Gush Memorial Lecture - 9.30-10.15 Felicity Huntingford - Synergies between fundamental & applied behavioural science: lessons from a lifetime of fish watching	
10.15	Group A Posters - 10.15-11.15 Fish Behaviour & Welfare, Behaviour & Genetics, Behaviour & Nutrition, Environmental Enrichment, Human-Animal Interactions	
	Fish Behaviour & Welfare	Human-Animal Interactions
11.15	Michelle Lavery - Identifying enriched housing conditions for zebrafish (<i>Danio rerio</i>) that vary along a scale of preference	Claire Roberts - Awareness & use of canine quality of life assessment tools in UK veterinary practice
11.30	Becca Franks - Knowledge gaps in global aquaculture welfare: scope of the problem, current research & future directions	Carly Moody - Owner perspectives of cat handling techniques used in veterinary clinics
11.45	Tanja Kleinhappel - Behavioural predictors of stress in groups of fish	Aira Seo - A survey of visitors' views on free-roaming cats living in the tourist town of Onomichi, Japan
12.00	Marco Vindas - Behavioral inhibition & chronic stress in salmonids: the role of the serotonergic system as a welfare indicator	Luciana Santos De Assis - Owner caregiving style & the behaviour of dogs when alone
12.15	Jonatan Nilsson - Does sudden exposure to warm water cause pain in Atlantic salmon?	Andi Kerr-Little - Pet ownership among people with substance use disorder: implications for health & use of treatment services
12.30	Lunch - 12.30-13.30	

	Behaviour & Nutrition	Cognition & Welfare
13.30	Sérgio Nogueira-Filho - Individual temperament traits shape the gut microbiota diversity of the collared peccary (Mammalia, Tayassuidae)	Elizabeth Paul - Domestic hens: affective impact of long-term preferred & non-preferred living conditions
13.45	Antonia Patt - Dietary fibre content in the feed & its effect on feather pecking, performance & cecal microbiome composition	Lu Luo - Effect of early life & current environmental enrichment & personality on attention bias in pigs
14.00	Jerine A.J. Van Der Eijk - Early life microbiota transplantation affects behaviour & peripheral serotonin in feather pecking selection lines	Katarína Bučková - Half full or half empty? Comparing affective states of dairy calves
14.15	Claire Mindus - Modulation of kynurenine pathway & behavior by probiotic bacteria in laying hens	Vikki Neville - Investigating animal affect & welfare using computational modelling
14.30	Else Verbeek - Investigating the gut-brain axis: effects of prebiotics on learning & memory in pigs	Peta Simone Taylor - Pharmacological intervention of the reward system in the laying hen has an impact on anticipatory behaviour
14.45	Group A Posters - 14.45-15.45 Fish Behaviour & Welfare, Behaviour & Genetics, Behaviour & Nutrition, Environmental Enrichment, Human-Animal Interactions	
	Future Trends in Animal Production	Pre- & Postnatal Effects
15.45	Laura Boyle - Role of animal behaviour in addressing future challenges for animal production	Mayumi Fujiwara - Association between maternal social success during late pregnancy & offspring growth & behaviour in dairy cows
16.00	Sabine G. Gebhardt-Henrich - Association between locomotion behavior & Campylobacter load in broilers	Phoebe Hartnett - The effect of gilt rearing strategy on offspring behaviour
16.15	Marie J. Haskell - Changes in activity & feeding behaviour as early-warning signs of respiratory disease in dairy calves	Marisol Parada - Lameness in sows during pregnancy impacts welfare outcomes in their offspring
16.30	Lena-Mari Tamminen - Using calves' behavioural differences to design future control measures for important zoonotic pathogens	Louise Hedlund - Stress responses resulting from commercial hatching of laying hen chicks
16.45	Niclas Högberg - Validation of accelerometers to automatically record postures & number of steps in growing lambs	Carlos E. Hernandez - Oesophageal tube colostrum feeding suppresses oxytocin release & induces vocalizations in healthy newborn dairy calves
17.30	Workshops - 17.30-20.00	
	1: Visualizing and analysis of individual-level data within large group systems	
	2: Future trends in the prevention of damaging behaviour	
	3: Novel indicators of fish welfare	
	4: Engaging students in learning about production animal welfare assessment	
	5: Managing the dairy cow around the time of calving – can we do better?	
	6: Animal training – efficacy and welfare	

Wednesday, 7th August

	Human-Animal Interactions	Future Trends in Animal Production
9.00	Kristina O'hanley - Risk factors for aggression in adult cats that were fostered through a shelter program as kittens	Inma Estevez - Farm 4.0: creating added value & trust from technology
9.15	Lisa M. Gunter - What can short-term fostering do for the welfare of dogs in animal shelters?	Kaitlin Wurtz - Assessment of open-source programs for automated tracking of individual pigs within a group
9.30	Arvind Sharma - Cows' avoidance distance & its association with health in shelters in India	Helen Gray - Automatic tracking of pigs for individual monitoring
9.45	Amy Robinson-Junker - Sleeping through anything: the effects of predictability of disruption on laboratory mouse sleep, affect & physiology	Malou Van Der Sluis - Automated tracking of individual activity of broiler chickens
10.00	Megan R. Lafollette - Human beliefs & animal welfare: a cross-sectional survey on rat tickling in the laboratory	Elsa Vasseur - Have the cows hit the wall? Validation of contact mats to monitor dairy cow contact with stall partitions
10.15	Group A Posters - 10.15-11.15 Fish Behaviour & Welfare, Behaviour & Genetics, Behaviour & Nutrition, Environmental Enrichment, Human-Animal Interactions	
	Environment Enrichment	Behaviour & Nutrition
11.15	Lena Skånberg - Environmental controllability & predictability affect the behavioural adaptability of laying hen chicks in novel situations	Emily V. Bushby - Can dietary magnesium improve pig welfare & performance?
11.30	Emily Finnegan - The development of stereotypic behaviours by two laboratory mouse strains housed in differentially enriched conditions	Rosemary Whittle - The effect of omega-3 enriched maternal diets on social isolation vocalisations in ISA Brown & Shaver White chicks
11.45	Elin M. Weber - Providing complexity: a way to enrich cages for group housed male mice without increasing aggression?	Cecilie Kobek Thorsen - Why drink milk replacer when you can suckle the sow? Foraging strategy in sow-reared large litters with milk replacer
12.00	Regine Victoria Holt - Environmental enrichment, group size & confinement duration affect play behaviour in goats	Heather W. Neave - Individual characteristics predict weaning age of dairy calves when weaned automatically based on solid feed intake
12.15	Zhenzhen Liu - Assessing the behaviour of fast-growing broilers reared in pens with or without enrichment	Benjamin L. Hart - Characterization of plant eating in cats
12.30	Lunch - 2.30-13.30	
13.30	Removal of Group A Posters - 13.30- 14.00	
14.00	Excursions - 14.00-18.00	

18.30	Dinner - Mt. Floien - 18.30-21.00	
Thursday, 8th August		
8.00	Placement of Group B Posters - 8.00-9.00	
9.00	Plenary - 9.00-9.45 Per Jensen - Genetics & epigenetics of domesticated behaviour - what we can learn from chickens & dogs	
10.00	Plenary - 10.00-10.45 Francoise Wemelsfelder - Science & sentience: assessing the quality of animal lives	
10.45	Group B Posters - 10.45-11.45 Pre- & Postnatal Effects, Cognition & Welfare, Social Environment, Future Trends in Animal Production, Free Communications	
	Behaviour & Genetics	Free Papers
11.45	Sarah-Lina A. Schild - Parturition in two sow genotypes housed under free-range conditions	Guro Vasdal - Associations between qualitative behaviour assessments & measures of leg health, fear & mortality in Norwegian broilers
12.00	Annie Rayner - Growing slowly with more space: effects on "positive behaviours" in broiler chickens	Naomi D. Harvey - Dogs with canine atopic dermatitis exhibit differing behavioural characteristics compared to healthy controls
12.15	Fernanda M. Tahamtani - Range use & plumage condition of two laying hen hybrids in organic egg production	Maria C. Ceballos - Hinged farrowing crates promote an increase in the behavioral repertoire of lactating sows
12.30	Lunch – Eating with Ethologists - 12.30-13.30	
	Pre- & Postnatal Effects	Human-Animal Interactions
13.30	Mikel Delgado - Misdirected oral behaviors in orphaned neonatal kittens	Rachel Peden - Farmer perceptions of pig aggression compared to animal-based measures of fight outcome
13.45	Courtney Graham - Identification of fear behaviours shown by kittens in response to novel stimuli	Marcia Del Campo - Maternal protection behavior in Hereford cows

14.00	Kim I. Bjørnson - The role of age in the selection of police patrol dogs based on temperament tests	Victor Abreu De Lima - Upright catching of birds: different handling practices influence broiler behaviour & welfare
14.15	Edna Hillmann - Calf-cow contact during rearing improves health status in dairy calves – but is not a universal remedy	Eeva Ojala - Consistency of blue fox behaviour in three temperament tests
14.30	Kerstin Barth - Effects of a three months nursing period on fertility & milk yield of cows in their first lactation	Inger Lise Andersen - Bit vs. bitless bridle - what does the horse say?
14.45	Group B Posters - 14.45-15.45 Pre- & Postnatal Effects, Cognition & Welfare, Social Environment, Future Trends in Animal Production, Free Communications	
	Cognition & Welfare	Social Environment
15.45	Hannah Salvin - Development of a novel fear test in sheep – the startle response	Yamenah Gómez - Ranging patterns & social associations in laying hens
16.00	Rebecca Katajamaa - Brain size & cognitive abilities in red junglefowl selected for divergent levels of fear of human	Claire Toinon - Socio-positive interactions in goats: prevalence & social network
16.15	Cecilie M. Mejdell - Thermal comfort in horses: their use of shelter & preference for wearing rugs	Simon P. Turner - Play fighting social network position does not predict injuries from later aggression between pigs
16.30	Maria Vilain Rørvang - Can horses watch & learn? The good, the bad & the not so ugly evidence of social transmission in horses	Verena Größbacher - Quantifying play contagion: low playing calves may depress play behaviour of pen-mates
17.00	AGM - 17.00-18.00	
19.30	Banquet - 19.30-24.00	
Friday, 9th August		
9.00	Plenary - 9.00-9.45	
	Irene Camerlink - New perspectives for assessing the valence of social interactions	
9.45	Group B Posters - 9.45-10.45 Pre- & Postnatal Effects, Cognition & Welfare, Social Environment, Future Trends in Animal Production, Free Communications	

	Social Environment	Future Trends in Animal Production
10.45	Christina Veit - The effect of LPS & ketoprofen on social behaviour & stress physiology in group-housed pigs	Linda Keeling - Animal welfare: an integral part of the United Nations Sustainable Development Goals?
11.00	Elinor Muir - Salivary oxytocin is associated with ewe-lamb contact but not suckling in lactating ewes	Conor Goold - Systems modelling of the UK pig industry: implications for pig health, behaviour & welfare
11.15	Amanda Barabas - Sweaty secrets: plantar gland secretions influence male mouse social behavior in the home cage	Anna Christina Herzog - Environmental impact of animal welfare improvement measures in dairy farming – model calculations for Austria
11.30	Marek Špinka - Vocal similarity among piglet littermates: does it arise through social learning?	John Scott Church - Evaluating unmanned aerial vehicles for observing cattle in extensive field environments
11.45	Pietro Asproni - Vomeronasal organ alterations & their effects on social behaviour: results & perspectives after 10 years of research	Silje Eftang - Welfare aspects related to virtual fences for cattle
12.00	Lunch - Discussion Topics Tables - 12.00-13.00	
	Environment Enrichment	Cognition & Welfare
13.00	Sarah Lambton - Differences in laying behaviour associated with nest box design in commercial colony cage units	Charlotte Goursot - Visual laterality in pigs & the emotional valence hypothesis
13.15	Judit Vas - Long-term effects of peat provision in broiler chicken flocks	Lisette M.C. Leliveld - Hemispheric specialisation for processing the communicative & emotional content of vocal signals in young pigs
13.30	Ellen Marie Rosvold - Nest-building material affects pre-partum sow behaviour & piglet survival in crate-free farrowing pens	Sarah Kappel - Assessing the impact of lameness on the affective state of dairy cows using lateralisation testing
13.45	Marko Ocepek - Which rooting materials make a weaner most happy?	Alexandra Harlander - Pecking in Go/No-Go task: motor impulsivity in feather pecking birds?
14.00	Jennifer M.C. Van Os - Brush use by dairy heifers	Anna C.M. Van Den Oever - Relative preference for wooden nests affects nesting behaviour in broiler breeders
14.15	Group B Posters - 14.15-15.15 Pre- & Postnatal Effects, Cognition & Welfare, Social Environment, Future Trends in Animal Production, Free Communications	
	Free Papers	Social Environment
15.15	Neila Bensassi - Testing by numbers: addressing the soundness of the transect method in commercial broilers	Katherine Creutzinger - Do stocking density or a barrier affect calving location & labor length in group-housed Holstein dairy cows?
15.30	Christina Rufener - Individual laying hen mobility in aviary systems is linked with keel bone fracture severity	Laura Whalin - Sociability is associated with pre-weaning feeding behaviour & growth in Norwegian Red calves
15.45	Amelia Mari Macrae - Vocal changes as indicators of pain in harbour seal pups (<i>Phoca vitulina</i>)	Margret L. Wenker - Effect of cow-calf contact on motivation of dairy cows to access their calf

16.00	Cassandra B. Tucker - Effect of hot-iron disbudding on rest & rumination in dairy calves	Anne Lene Hovland - Weaning stress in silver fox vixens
16.15	Julie Føske Johnsen - A cross-sectional study of associations between herd-level calf mortality, welfare & management on Norwegian dairy farms	Luca Melotti - Can live with 'em, can live without 'em: implications of pair vs. single housing for the welfare of male C57BL/6J mice
16.45	Closing Ceremony (with awards presentation) - 16.45-17.45	
17.45	Removal of Group B Posters - 17.45-18.15	
19.00	Farewell Party - 19.00-23.30	

ISAE 2019 Draft Poster Programme (Subject to Change)

Group A Posters	Fish Behaviour & Welfare, Behaviour & Genetics, Behaviour & Nutrition, Environmental Enrichment, Human-Animal Interactions (Tuesday 6th August - Wednesday 7th August)
Fish Behaviour & Welfare	
Isabel Fife-Cook	Identifying potential play behaviors in fish: a study using online video analysis
Douglas Waley	Perceptions of fish welfare in Europe
Ida B. Johansen	Cortisol-mediated cardiac hypertrophic signalling in trout is time-dependent
Cécile Bienboire-Frosini	Impact of sea lice management methods on Atlantic salmon welfare: experimental findings & perspectives
Daniel Santiago Rucinke	Mechanical spiking as a killing method in Nile tilapia (<i>Oreochromis niloticus</i>) – A pilot study
Behaviour & Genetics	
Julia Malchow	Space requirements for fast & slow growing chickens on elevated grids
Christoph Winckler	Genetic parameters for maternal traits in sows recorded by farmers
Lauren Finka	Lost in translation: how might selective breeding impact on animals' abilities to communicate?

Daniela Pörtl	Is domestication due to epigenetic down regulation of stress axis initiated by prosocial human-animal interactions?
Abdelkareem Ahmed	A comparison of tonic immobility reactions between domesticated Columba livia & Columba guinea
Behaviour & Nutrition	
Siyu Chen	The effect of dominance hierarchy on gut microbial composition & short-chain fatty acids in domestic roosters
Congcong Li	Management factors resulting in reduction in feed intake or feed deprivation induce Spiking Mortality Syndrome in young broilers
Hannah Phillips	The effect of outdoor stocking density & weather on the behavior of broiler chickens raised in mobile shelters on pasture
Terence Zimazile Sibanda	Outdoor feeder increased range usage but not bone quality in commercial free-range laying hens
Karen F. Mancera	Pilot study of grazing strategies of beef cattle in relation to woody elements percentage in a silvopastoral system
Andrew Fisher	The relationship between motion score & reproductive behaviour in dairy cows managed in pasture & feedpad environments
Robin E. Crossley	Do grazing management practices influence the behaviour of dairy cows at pasture?
Guilherme Amorim Franchi	Use of feed frustration test to assess level of hunger in dairy cows subjected to various dry-off management routines
Margit Bak Jensen	The effect of step-down milk feeding & daily feeding frequency on behavior of male dairy calves
Blair C. Downey	Experience with hay influences the development of oral behaviors in preweaned dairy calves
Michal Uhrincat	Influence of water delivery method on dairy calf performance & inter-sucking after weaning.
Laura Schneider	Feeding behavior of fattening bulls fed with an automatic feeding system
Laura Webb	The ins & outs of abomasal damage in veal calves
Emily E. Ridge	The impact of dietary live yeast supplementation on performance of non-nutritive oral behaviors in dry-housed beef cattle
Marjorie Cellier	Individual differences in feeding behaviour of dairy goats
Anouschka Middelkoop	Foraging in the farrowing room to stimulate feeding behaviour
Rosalie Van Emous	A mineral feed containing natural compounds & plant extracts modified exploratory & ingestive behavior of weaned pigs
Jeremy N. Marchant-Forde	Dietary modification of behaviour in pigs
Jaime Figueroa	Effect of flavour variety over productive performance of fattening pigs
Mariia Tokareva	Influence of satiety on the motivation of stall-housed gestating sows to exit their stall
Leandro Costa	Feeding behavior of Iberian pigs in a multi-feeder system under high environmental temperatures
Hajime Tanida	Effect of long-term feeding on home range size & colony growth of free-roaming cats at a popular tourist site in Japan
Environmental Enrichment	
Rachel Park	Impact of environmental enrichment on circadian patterns of feedlot steer behavior
Xandra Christine Meneses	Brush use & displacement behaviors at a brush in Angus crossbred feedlot cattle

Pablo Pinedo	Behavior of recently weaned organic Holstein calves exposed to a mechanical calf brush
Jenny Stracke	Behavioural differences in a Novel Object Test between male & female turkeys – a pilot study
Midian Nascimento Dos Santos	The influence of enrichment on leg parameters in a conventional strain of broiler chicken
Daniel Rothschild	The effect of enrichment on organ growth, cardiac myopathies & bursal atrophy in a conventional strain of broiler chicken
Jennifer Brown	Effects of enrichment objects on piglet growth & behaviour
Benedicte M. Woldsnes	A combination of rooting stimuli reduces fear of novelty & enhances collaboration in groups of weaned pigs
Jen-Yun Chou	Individual variation in enrichment use in finishing pigs & its relationship with damaging behaviour
Emma Fàbrega	Economic impact of an on-farm innovation to enhance novelty of enrichment materials for fattening pigs
Christina Pfeiffer	Nest-building behaviour in crated sows provided with a jute-bag – an exploratory case study
Hyun-jung Jung	Effects of environmental enrichment on reproductive performance & behavior patterns in gestating sows
Maggie Creamer	Preference for & behavioral response to environmental enrichment in a small population of sexually-mature, commercial boars
Thiago Bernardino	Endotoxin challenge & environmental enrichment changes the behaviour of crated boars
Kate Norman	Experience of ramps at rear is beneficial for commercial laying hens
Anette Wichman	Do laying hens have a preference for “jungle” light?
Oluwaseun Iyasere	Welfare of FUNAAB Alpha chickens as affected by environmental enrichment
Monique Bestman	Role of range use in infections with parasites in laying hens
Arantxa Villagra	Are breeding rabbits motivated for bigger cages?
Miriam Gordon	Effect of environmental enrichment rotation on juvenile farmed mink behaviours
Megumi Fukuzawa	Physiological response of pet dogs to different methods of provision of classical music
Christine Arhant	Effect of different forms of presentation of an interactive dog toy on behaviour of shelter dogs
Daiana de Souza Machado	Management & welfare of domestic cats: a questionnaire survey
Marta Elena Alonso	Evaluation of environmental enrichment influence on animal welfare in captive Panthera onca through non-invasive methods
Jonathan Cooper	Citizen Polar Bear. Use of visitor data to record behaviour of field housed polar bears
Human-Animal Interactions	
Annika Lange	A comparison of reactions to different stroking styles during gentle human-cattle interactions
Silvia Ivemeyer	Is cows’ qualitatively assessed behaviour towards humans related to their general stress level?
Amanda Hubbard	Impact of handling frequency on drylot-housed heifer behavior
Sabine A. Meyer	Human-directed behaviour of calves in a Novel Human & an Unsolvable Problem Test
Congcong Li	Artificial mothering during early life could boost the activity, exploration & human affinity of dystocia dairy calves

Susanne Waiblinger	Effects of dam bonded rearing on dairy calves' reactions towards humans vanish later in life
Stephanie Lürzel	Improving the cow-human relationship – influence of restraint during gentle interactions
Asja Ebinghaus	Validity aspects of behavioural measures to assess dairy cows' responsiveness towards humans
Daisuke Kohari	Reproducibility, similarity & consistency of the flight responses of beef cattle
Kaleiah Schiller	Chute scoring as a potential method for assessing arousal state in ewes
Katrina Rosenberger	Dairy & dwarf goats differ in their preference for familiar & unfamiliar humans
Míriam Marcet-Rius	The provision of toys to pigs could improve the human-animal relationship: the use of an innovative test, the Strange-person
Megan Hayes	Positive human contact reduces avoidance behaviour of gestating sows during routine husbandry procedures
Céline Tallet	Are human voices used by pigs (<i>Sus scrofa domestica</i>) when developing their relationship with humans?
Ella Akin	Providing handling tools to move non-ambulatory pigs on-farm
Sofia Wilhelmsson	Animal handling & welfare-related behaviours in finishing pigs during transport loading & unloading
Cristina Santos Sotomaior	Comparison of a behavior test between does & bucks in different Brazilian rabbit farms
Rosaria Santoro	Beekeeper-honeybee interactions to measure personality at colony level: a pilot study of <i>Apis mellifera</i> in central Italy
Tayla Hammond	Tickling does not increase play in young male rats
Carlos Grau Paricio	Light spectrum for illuminating dark periods in reversed light cycles in laboratory rodent facilities
Helena Chaloupkova	Heart rate - the effect of the handler on the dog after a potentially stressful situation
Natalie Solheim Bernales	Small dogs display more escalated aggression & stress-related behaviour than large dogs in social media videos
Lauren Powell	Do human-dog interactions affect oxytocin concentrations in both species?
Anastasia Stellato	Efficacy of a 4-week training program for reducing pre-existing veterinary fear in companion dogs
Petra Edwards	Investigating risk factors that predict a dog's fear during veterinary visits
Christoph Jung	Scavenger or working partner - evidence for a long history of dog breeding as an active part of human evolution
Syamira Zaini	Cat pain & welfare: barriers to having good cat care management in Malaysian veterinary practices
Lydia Acaralp-Rehnberg	The effect of interactive visitor encounters on the welfare of captive servals (<i>Leptailurus serval</i>) at Werribee Zoo
Giovanni Q. Pastorino	Are zoo tigers disturbed by late evening events?
Mark James Learmonth	Dilemmas for natural living concepts of zoo animal welfare
Silvia Michela Mazzola	Does the personality of tigers influence the interaction with their keepers?
Anita Hashmi	The variable effect of visitor number & noise levels on behaviour in three zoo-housed primate species
Sandra Wirth	The influence of human interaction on guinea pigs: behavioural & thermographic changes during animal assisted therapy
Lena Lidfors	The use & well-being of cats in elder care in Sweden
Malin Larsson	Camels in animal-assisted interventions – survey of practical experiences with children, youth & adults
Karen Thodberg	Optimal dog visits for nursing home residents with varying cognitive abilities – an interdisciplinary study

L.A. Hart	Geography affects assistance dogs availability in United States & Canada
Lina S.V. Roth	Horses & ponies differ in their human-related behaviour
lizie Buss	Welfare status of racehorses in Brazil influenced by management practices
Elske N. De Haas	Practice what you preach. The discrepancy in knowing & doing based on moral values to farm animals
Agnieszka Potocka	Authority & care as moral foundations play a different role in the treatment of pet, pest & profit animals
Sarah Ison	North American stakeholder perceptions of the issues affecting the management, performance & well-being of pigs
Huw Nolan	What's in a name? The role of education & rhetoric in improving laying hen welfare
Yuki Koba	A food & agriculture course to raise awareness of animal welfare in university students majoring in pre-school education
Group B Posters	Pre- & Postnatal Effects, Cognition & Welfare, Social Environment, Future Trends in Animal Production, Free Communications (Thursday 8th August - Friday 9th August)
Pre- and Postnatal Effects	
Mariana R. L. V. Peixoto	Behavioural & physiological effects of prenatal stress in different genetic lines of laying hens
Patricia Tatemoto	Stereotypies in pregnant sows affect the neuroepigenome in the offspring
Elodie Merlot	Heat exposure of pregnant sows modulates behaviour & corticotrope axis responsiveness of their offspring after weaning
Eddie Bokkers	Postnatal effects of colostrum quality & management & hygiene practises, on immunity & mortality in Irish dairy calves
Lisa Dietz	The importance of early life experiences for the development of behavioural disorders in domestic dogs
Friederike Katharina Warns	Identification of dominance in suckling piglets
Farina J. Warnken	Potential influence factors on different behavioural tests for fattening pigs
Franziska Hakansson	Prevalence & early life risk factors for tail damage in Danish long-tailed piglets prior to weaning - preliminary results
Anna Trevarthen	Associations between the early life husbandry & post-weaning behaviour of lambs
Daniel Asif	Maternal behaviour of Markhors (<i>Capra falconeri</i>) – a life worth living ex situ
Janja Sirovnik	The effect of maternal contact on behaviour patterns indicative of emotionality & social competence in young dairy calves
Rogério Ribeiro Vicentini	Maternal defense in ruminants: a systematic review
Allison N. Pullin	Pullet rearing affects long-term perch use by laying hens in enriched colony cages
Massimo Faustini	Horse behavior & expected performance in show-jumping
Cognition & Welfare	
Michael Mendl	An automated & self-initiated judgement bias task based on natural investigative behaviour
Duncan Andrew Wilson	Exploring attentional bias towards emotional faces in chimpanzees using the dot probe task

Jessica E. Monk	Can an attention bias test discriminate positive & negative emotional states in sheep?
André A. De Albuquerque	Evaluation of the effects of mirrors in sows farrowing crates: a pilot study
Thomas D. Parsons	Judgement bias of group housed gestating sows predicted by personality traits, but not physical measures of welfare
Benjamin Lecorps	Pessimistic dairy calves are more vulnerable to pain-induced anhedonia
M. Somarriba	The effects of a composite chronic stress treatment on fear responses & attention bias in beef cattle
Stephanie Buijs	Roll out the green carpet! Dairy cows prefer artificial grass laneways over stonedust-over-gravel ones, especially when lame
Lindsey Robbins	Evaluation of sow thermal preference
Laura Shewbridge Carter	When lying down, would cows rather have a preferable surface or unrestricted space?
Vlatko Ilieski	Spatial distribution & preferable zones for dairy cows in a free stall confined area
Valerie Monckton	The effect of soiling & ammonia reductant application on turkeys' perceived value of wood shavings
Jade Fountain	Operant learning is disrupted when opioid reward pathways are blocked in the laying hen
Thomas Ede	The burning ring of fire: place aversion as evidence of felt pain in calves disbudded using different types of pain control
Tellisa Kearton	Social transmission of learning of a virtual fencing system in sheep
Pawan Singh	Effect of management enrichment on cognitive performance of Murrah buffalo calves
Erica Feuerbacher	Using applied behavior analysis to identify & enhance positive reinforcers for domestic dogs
Yuna Sato	Do pigs understand time interval & adopt optimal foraging behaviour?
Sara Hintze	Doing nothing... Inactivity in fattening cattle
Yoko Sakuraba	Care & rehabilitation activities for a chimpanzee with cerebral palsy: a case study
Cheryl O'connor	Assessing pasture-based dairy systems from the perspective of cow experiences
Katja Krugmann	Can tail & ear postures be suitable to capture the affective state of growing pigs?
Elena Navarro	Intra- & inter- observer reliability of facial expression in sows around farrowing
Emma Tivey	Sex differences in the behavioural response to tickling in juvenile Wistar rats
Ashley Bigge	Heart rate variability patterns as indicators of stress & welfare in leghorn hens: a comparative housing system study
Jashim Uddin	A sampling strategy for the determination of infra-red temperature of relevant external body surfaces of dairy cows
Anna Juffinger	Effects of injection of clove oil or isoeugenol on mechanical nociceptive threshold & behaviour during injection in calves
Social Environment	
Nedup Dorji	Behaviour & sociability of yaks among different regions in Bhutan
Julia Johns	Effects of herd, housing & management conditions on horn-induced altercations in cows
Miroslav Radeski	The relations between the individual & social behaviour of dairy cows & their performance, health & medical history
Catherine Mcvey	Extracting herd dynamics from milking order data: preliminary insights comparing social network & manifold-based approaches

Annika Krause	The effect of coping style on behaviour & autonomic reactions of domestic pigs during dyadic encounters – A pilot study
Kathrin Büttner	Focussing on significant dyads in agonistic interactions & their impact on dominance indices in pigs
Gosia Zobel	Eating differently: competitive feeding behaviours at three feeder heights related to personality traits in goats
Philip Kramer	Skin lesions as an indicator of agonistic behavior in mobile-housed fattening rabbits
Komal Kataria	Effect of social interactions on the expression of different behaviors in Sahiwal calves
Luis Andrés Gonzalez Gracia	Persistence of social bonding after regrouping in dairy heifers
Daniela Alberghina	Maternal serum cortisol & serotonin response to a short separation from foal
Colline Poirier	Understanding stereotypic pacing: why is it so difficult?
Kristina Horback	Identification of seven call types produced by pre-weaning gilts during isolation
Paula R. Huenchullán	The use of pig appeasing pheromone decreases negative social behavior & improves performance in post-weaning piglets
Chiara Mariti	The influence of sex on dog behaviour in an intraspecific Ainsworth Strange Situation Test
Naïma Kasbaoui	Could a dog latrines' semiochemical analogue improve the cohabitation between dog & human?
Sunil Kumar Pal	Allomothering in free-ranging domestic dogs (<i>Canis familiaris</i>)
Gudrun Illmann	Sow response to sibling competition during nursing in 2 housing systems in early & late lactation
Sanjay Choudhary	Influence of bull biostimulation on puberty & estrus behaviour of Sahiwal breed (<i>Bos indicus</i>) heifers
Rodolfo Ungerfeld	Observation of ram-estrous ewe interaction enhances mating efficiency in subordinate but not dominant rams
Adroaldo José Zanella	Housing gilts in crates prior to mating compromises welfare & exacerbates sickness behavior in response to LPS challenge
Aline Freitas-De-Melo	The phase of oestrous cycle influences the stress response to social isolation in Corriedale ewes
Future Trends in Animal Production	
Melissa C. Cantor	Are feeding behaviors associated with recovery for dairy calves treated for Bovine Respiratory Disease (BRD)?
Gemma Charlton	Dairy cows with Johne's disease spend less time lying & increase feed intake around peak lactation
Oleksiy Guzhva	Smart ear tags for measuring pig activity: the first step towards an animal-oriented production environment
Eloise Fogarty	Sensor technology & its potential for objective welfare monitoring in pasture-based ruminant systems
Justin Mufford	Comparison of heat stress behaviour between different Canadian <i>Bos taurus</i> cattle breeds using unmanned aerial vehicles
Sabrina Lomax	Virtual fencing: does it work for pasture-based dairy systems?
Joao H.C. Costa	Voluntary heat stress abatement system for dairy cows: does it mitigate the effects of heat stress on physiology & behavior
Isabel Blanco Penedo	Are Freewalk systems offering more comfortable housing conditions for cattle?
Elise Shepley	A cow in motion: are we really providing 'exercise' to dairy cows?
Amanda Lee	Evaluating the effects of mean occupation rate & milk production on two automatic milking systems
Lucille Bellegarde	Introduction of a new welfare labelling scheme in France

Takuya Washio	Development of a theoretical model to explain consumers' willingness to purchase animal welfare products in Japan
Giovana Vieira	Cage-free egg supply & flock size in the United States
Free Communications	
Emily K. Miller-Cushon	Effects of disbudding on use of a shelter & activity in group-housed dairy calves
Kees Van Reenen	The effect of floor type on lying preference, cleanliness & locomotory disorders in veal calves
Sarah J.J. Adcock	Pain response to injections in dairy heifers disbudded at 3 different ages
David Bell	Behavioural responses of dairy calves to temperature & wind
Jung Hwan Jeon	Effect of environmental temperature on rectal temperature & body-surface temperature in fattening cattle
Emma Ternman	REM sleep time in dairy cows changes during the lactation cycle
Madan Lal Kamboj	Development of a dairy cattle welfare assessment scale & evaluation of cattle welfare at commercial dairy farms in India
Fredy García-Castro	Decision Support System (DSS) for assessing animal welfare on dairy farms in the Colombian high tropic
Daniel Enriquez-Hidalgo	Effect of the SF6 equipment to estimate methane emissions on dairy cow behavior
Joan-Bryce Burla	Lying behaviour in dairy cows is associated with body size in relation to cubicle dimensions
Rielle Perttu	The effects of mesh fly leggings on number of flies & fly-avoidance behaviors of dairy cows housed on pasture
Mette S. Herskin	Transport of cull animals - are they fit for it?
Martyna Lagoda	A first look at the relationship between skin lesions & cortisol levels in stable groups of pregnant sows
Louisa Meira Gould	An examination of the behaviour & clinical condition of cull sows transported to slaughter
Armelle Prunier	Behaviour of piglets before & after tooth clipping, grinding or sham-grinding in the absence of social influences
Solveig Marie Stubsjøen	Associations between sheep welfare & housing systems in Norway
Alejandra Feld	First steps for the development of behavioural indicators in dairy sheep: ethogram & functional categorization
Beth Ventura	Effects of multimodal pain management strategies on acute pain behavior & physiology in disbudded neonatal goat kids
Knut Egil Bøe	Virtual fences for goats on commercial farms, an animal welfare concern?
Grete H.M. Jørgensen	Using faecal glucocorticoid metabolites as a method for assessing physiological stress in reindeer
María D. Contreras-Aguilar	Changes in saliva analytes reflect acute stress level in horses
Irena Czycholl	Test-retest reliability of the Animal Welfare Indicators protocol for horses
Freddie Daw	A study into the impact of sweet itch on equine behavioural patterns
Alice Ruet	Welfare of horses living in individual boxes: methods of assessment & influencing factors
María Díez-León	Effects of cage size on the thermoregulatory behaviour of farmed American mink (<i>Neovison vison</i>)
Maggie Chutter	Efficacy of fluoxetine for canine behavioral disorders
Inger Hansen	Efficiency of sheep cadaver dogs

Vladimir Vecerek	Changes in behaviour of shelter dogs post adoption
Eva Voslarova	Factors affecting behaviour of dogs adopted from a shelter
Christina Maria Raudies	Implications of prolonged social & environmental restrictions on shelter dog welfare
Fiona C. Rioja-Lang	Prioritising cat welfare issues using a Delphi method
Mirjana Đukić Stojčić	Associations between daytime perching behavior, body weight, age & keel bone deviation in laying hens
Manisha Kolakshyapati	Association of fearfulness at the end of lay with range visits at 18-22 weeks of age in commercial laying hens
Jutta Berk	Feather corticosterone: a new tool to measure stress in laying hens?
Nienke Van Staaveren	A cross-sectional study into factors associated with feather damage in laying hens in Canada
Ariane Stratmann	Influence of ramp provision during rear & lay on hen mobility within a commercial aviary system
Jakob Winter	Piling behaviour of laying hens in Switzerland: origin & contributing factors
Leonie Jacobs	Euthanasia - manual versus mechanical cervical dislocation for broilers
Xavier Averós	Use of routinely collected slaughterhouse data to assess welfare in broilers
Erik Georg Granquist	Associations of lameness in broiler chickens to health & production measures
Lucas Alemagna Pifer	Use of thermal images to assess the severity of leg problems in broilers
Marisa Erasmus	Changes in broiler chicken behavior & core body temperature during heat stress
Joanna Marchewka	Identifying welfare issues in turkey hen & tom flocks applying the transect walk method
Selene Nogueira	Non-invasive stress monitoring & temperament of chestnut-bellied seed-finches
Elisa Codecasa	The artificial blood feeding of <i>Aedes aegypti</i> mosquitos as an alternative to the use of live research animals
Moira Harris	The EU Platform on Animal Welfare & its subgroups – strengthening ISAE’s voice in Europe
Nicki Cross	Above the minimum: Integrating positive welfare into animal welfare policy
Melissa Elischer	Building an informed audience: engaging youth in animal behavior & welfare education
Kathryn Proudfoot	Impact of frame reflection on veterinary student perspectives toward animal welfare & differing viewpoints

ISAE 2019 Draft Workshop Presentations - Tuesday 6th August

1: Visualizing and analysis of individual-level data within large group systems

Janice Siegford	Comparison of patterns of substrate occupancy by individuals versus flocks of 4 strains of laying hens in an aviary
Elske N. De Haas	Visualizing behaviour of individual laying hens in groups
Magnus R. Campler	Some cows don't like to get wet: individual variability in voluntary soaker use in heat stressed dairy cows
Joshua Peschel	Using synthetic video for automated individual animal behavior analysis

2: Future trends in the prevention of damaging behaviour	
T. Bas Rodenburg	Reduce damaging behaviour in laying hens & pigs by developing sensor technologies to inform breeding programs
Rachel Peden	Factors influencing farmer willingness to reduce aggression between pigs
Anna Valros	What do we know about the link between ill-health & tail biting in pigs?
Jen-Yun Chou	Using experimental data to evaluate the effectiveness of tail biting outbreak intervention protocols
Elske N. De Haas	Trends in early life conditions of pigs & laying hens in order to prevent damaging behaviour: a GroupHouseNet update
3: Novel indicators of fish welfare	
Oliver Burman	Workshop on novel indicators of fish welfare
Felicity Huntingford	Using thermal choices as indicators for fish welfare
Marco A. Vindas	The role of the serotonergic system as a welfare indicator in salmonids
Becca Franks	Developing measures of positive welfare for fish
4: Engaging students in learning about production animal welfare assessment	
Marta E. Alonso, Neila Bensassi, Alejandra Feld, Melissa Elischer	Workshop: engaging students in learning about production animal welfare assessment
5: Managing the dairy cow around the time of calving – can we do better?	
Maria Vilain Rørvang	What can we learn from studying the motivation underlying maternal behaviour of cattle?
Kathryn Proudfoot	Assessing the welfare of dairy cows before & after giving birth
Peter D. Krawczel	Alternative management strategies to help dairy cows achieve successful outcomes during the transition into lactation
Anna Lisa Voß	Survey on calving management: how to determine the right time to move a cow to the maternity pen?
Marie J. Haskell	Keeping cow & calf together: behaviour & welfare issues
Cynthia Verwer	State-of- the-art dam rearing of calves – sector-wide assessment of scientific & practical knowledge on dam-rearing systems
6: Animal training – efficacy and welfare	
Dorte Bratbo Sørensen	Using positive reinforcement to train laboratory pigs: benefits for animal welfare & research models
Jonathan Cooper	Efficacy of electronic training aids in pet dog training
Kristina Horback	Creating an animal training handbook for livestock producers, veterinarians & researchers