



Monday, 10 August

- 09:00 **ISAE Council Meeting**
Board Room, GBU Convention Center
- 09:00 **DCCAF Workshop**
International Guest House, 1st Floor Conference Room
- 09:00 **World of Good Initiative Leadership Program for Animal Welfare**
Conference Room, GBU Convention Center
- 18:00 **Registration**
Registration Desk, Radisson Blu Hotel, Greater Noida
- 19:00 **Welcome Reception**
Radisson Blu
Chaired by: Dr. Vijay Pal Singh and Prof. Maria Jose Hötzel

Tuesday, 11 August

- 08:00 **Registration Opens**
Registration Desk, GBU Convention Center
- 09:00 **Welcome & Opening**
Auditorium 3, GBU Convention Center
Chaired by: Dr. Vijay Pal Singh and Prof. Maria Jose Hötzel

- 10:00 **Keynote**
Auditorium 3, GBU Convention Center
Chaired by: Dr. Vijay Pal Singh
- 10:00 **Between replacement and relevance: Artificial intelligence, automation, and image-based phenotypes in silkworm infection models for drug discovery**
» [Dr. Atsushi Miyashita](#)
- 11:00 **Tea and Coffee Break**
GBU Convention Center
- 11:30 **Oral 1: Insect Ethology & Digital Tools for Measuring Behavior and Enhancing Animal Welfare**
Auditorium 3, GBU Convention Center
Chaired by: Prof. Dhanalakshmi Sivanandhan and Dr. Atsushi Miyashita
- 11:30 **Can we know if a black soldier fly is stressed? First steps in assessing larval stress and habituation with tonic immobility testing**
» Mr. Elijah Persson-Gordon, Mrs. Narmeen Hashim, Dr. Samuel O Durosaro, Mr. Joseph Brumfield, [Dr. Meghan Barrett](#)
- 11:45 **When can we know if a black soldier fly is stressed? First steps in assessing larval stress with passive acoustic monitoring**
» [Dr. Craig Perl](#), Mr. Oliver Escott, Dr. Gesa Reiss, Dr. Andrew Crump, Dr. Meghan Barrett
- 12:00 **Increased space allowance improves productivity and welfare in growing pigs: insights from continuous artificial intelligence-based monitoring of agonistic behavior**
» [Mr. Md Kamrul Hasan](#), Dr. Hong-Seok Mun, Mr. Eddiemar B. Lagua, Mr. Md Sharifuzzaman, Mr. Ahsan Mehtab, Mr. Jin-Gu Kang, Dr. Young-Hwa Kim, Ms. Hae-Rang Park, Prof. Chul-Ju Yang
- 12:15 **Revealing individuality and plasticity in indoor space allocation of dairy cattle using real-time location data**
» [Dr. Niclas Högberg](#), Ms. Liselle Simonsson, Dr. Hector Marina



Continued from **Tuesday, 11 August**

- 12:30 **Artificial intelligence in animal welfare and behaviour monitoring: a review of ethical, technological and policy perspectives**
» [Dr. Opeyemi Yusuf](#)
- 12:45 **Multiclass acoustic monitoring in pigs: linking coughing dynamics with environmental stressors using machine learning**
» [Mr. Md Sharifuzzaman](#), Dr. Hong-Seok Mun, Dr. Keiven Mark B. Ampode, Mr. Eddiemar B. Laguna, Mr. Md Kamrul Hasan, Mr. Ahsan Mehtab, Mr. Jin-Gu Kang, Dr. Young-Hwa Kim, Ms. Hae-Rang Park, Prof. Chul-Ju Yang
- 11:30 **Oral 2: Pigs--Ethology and Welfare of Managed Animals**
Auditorium 2, GBU Convention Center
Chaired by: Dr. Gudrun Illmann and Dr. Thi Thu Hoai Nguyen
- 11:30 **Exploring the bi-directional relationship between affective state and contest behaviour**
» [Prof. Simon Turner](#), Dr. Victoria Lee, Dr. Lucy Oldham, Prof. Gareth Arnott, Mrs. Agnieszka Futro, Mr. Mark Brims, Dr. Andrew Crump, Prof. Rick D'Eath
- 11:45 **Reliability of Qualitative Behavior Assessment (QBA) observers across different countries assessing sow welfare**
» [Ms. Sarah Ibach](#), Dr. Jen-Yun Chou, Dr. Monica Battini, Dr. Maria Camila Ceballos, Dr. Lauren Powell, Dr. Adenrele Olalekan Adebayo, Dr. Charlotte Burn, Dr. Louise Connelly, Dr. Katy Proudfoot, Dr. Siobhan Mullan, Prof. Thomas D. Parsons
- 12:00 **The role of behavioural flexibility in the navigation of social chaos**
» [Ms. Katja Zumer](#), Dr. Lucy Oldham, Dr. Victoria Lee, Dr. David Fisher, Mrs. Agnieszka Futro, Mr. Mark Brims, Prof. Andrea Doeschl-Wilson, Prof. Marie Haskell, Dr. Craig Lewis, Prof. Simon Turner
- 12:15 **Visual representation of environmental enrichment in pig farming: a systematic review of Google Images**
» [Ms. Letícia Nogueira](#), Ms. Vitória Alves, Dr. Maria José Hötzel

- 12:30 **Prepartum nest-building intensity is associated with distinct gut microbial profiles in loose-housed sows**
» [Dr. Sarbani Biswas](#), Prof. Jinhyeon Yun
- 12:45 **Developing contest skill in young pigs – is it worth the fight?**
» [Dr. Lucy Oldham](#), Prof. Gareth Arnott, Prof. Mark Briffa, Mrs. Agnieszka Futro, Ms. Jo Donbavand, Ms. Mhairi Jack, Ms. Alena Kadlecova, Dr. Ali Alameer, Mr. Manzar Malik, Mr. Zeeshan Afzal, Ms. Iona Smith, Mr. Mark Brims, Ms. Claire Anderson, Prof. Simon Turner
- 13:00 **Lunch**
GBU Convention Center
- 14:30 **Plenary: Ethology and Welfare of Managed Animals**
Auditorium 3, GBU Convention Center
Chaired by: Prof. Donald Broom and Dr. Nagendra Singh
- 14:30 **Pain experienced by progenitors modulate nociceptive threshold in their offspring**
» [Prof. Adroaldo Zanella](#), Dr. Marisol Parada Sarmiento, Dr. Bruna Stanigher, Mr. Marco Aurélio Pereira de Almeida
- 15:15 **Poster 1 Pitches**
Auditorium 3, GBU Convention Center
Chaired by: Dr. Beth Ventura and Dr. Rekha Puria
- Green synthesized nano-silver formulations along with its amelioration with herbal essential oils to cure demodicosis in dogs**
» Dr. AK Samanta, [Dr. Moneesh Thakur](#)
- Can the presence of diarrhea interfere with personality tests in piglets?**
» [Ms. Gabriela Jimenes Stofella](#), Ms. Rafaela Dos Santos, Ms. Isabela Bez, Ms. Mariana Blanc Taques, Dr. Leandro Batista Costa, Prof. Ruan Daros



Continued from **Tuesday, 11 August**

Assessment of infrastructure, sanitary practices, and animal welfare compliance in slaughtering points of Mymensingh District, Bangladesh

» Dr. M. Ariful Islam, [Dr. Md. Siam Ahmed](#), Dr. Solama Akter Shanta, Ms. Mst. Tahomina Akter

Effects of different types of environmental enrichment on physiological stress and welfare indicators in CARI Red layer chickens

» [Dr. Tanya Chaudhary](#), Dr. Shrey Aditya Saxena, Dr. Manoj Kumar Singh, Dr. Ahmad Fahim

Lameness-associated changes in milk yield, composition, and inflammatory quality indicators in dairy cows under tropical conditions in Bangladesh

» [Dr. Solama Akter Shanta](#), Ms. Mst. Tahomina Akter, Dr. Md. Siam Ahmed, Dr. M. Ariful Islam

Does a environmental enrichment lead to improved health and more social Jamunapari goats?

» Dr. Mohammad Danish, [Dr. Chandan Kumar](#), Dr. Rajneesh Sirohi, Dr. Yajuvendra Singh, Dr. Mukul Anand, Dr. Ajay Kumar, Dr. Mamta ., Dr. Aakansha Mathur, Dr. Srasti Dixit, Dr. Anmol Pareek, Dr. Arundhati Sharma

Weaning performance: benchmarking calf growth on dairy farms in Canada

» [Ms. Elizabeth Russell](#), Dr. Marina von Keyserlingk, Dr. Daniel Weary

Estimation of prevalence and risk factors of mastitis in dairy cows under smallholder dairy systems in Bangladesh

» [Dr. Md. Morsalin](#), Dr. Tazin Khandoker, Dr. Ashikur Rahman, Dr. Tasnim Binte Hassan, Dr. M. Ariful Islam

Effect of floor type on lameness and welfare indicators in lactating cows under smallholder tie-stall systems in Bangladesh

» [Dr. Ashikur Rahman](#), Dr. Shahed Ahamed, Dr. Solama Akter Shanta, Dr. Md. Morsalin, Dr. M. Ariful Islam

Evaluation of oxidative stress and emotional/behavioural responses of Red Sokoto goats to the effects of rain in Northern Guinea Savannah zone of Nigeria

» Prof. Minka Ndazo Salka, Dr. Shittu Salisu, Prof. Tavershima Dzenda, [Dr. Kuta Makeri](#), Dr. Priscilla Komolafe

Descriptive analysis of tail-directed stereotypic behavior in female breeding rats

» [Dr. Carly O'Malley](#), Ms. Hannah Klossner, Ms. Amber Alston, Ms. Amber Bradley, Dr. Elizabeth Nunamaker

Animal welfare and occurrence of subclinical mastitis in smallholder dairy cows: a cross-sectional study in Njoro Sub-County, Kenya

» Dr. Wyckliff Ngetich, [Dr. Collins Kevin](#), Dr. Joshua Onono

The effect of sleep quality on the navigational ability of sheep

» [Ms. Srijana Bhandari](#), Ms. Jasmine Lamnea, Mr. Kieren Powell, Ms. Nicole Pacheco Danielski, Ms. Ellie Roobottom, Dr. Sebastian McBride

Paddock access with artificial shade improves egg quality in cage-free laying hens

» Dr. Nadalin Yandra Botton, Mrs. Caroline Citta Mazocco, [Dr. Rosangela Poletto](#)

Laboratory rats ingest kaolin clay in an attempt to alleviate nausea induced by voluntary wheel running: a transfer test

» [Prof. Sadahiko Nakajima](#)

Administration of carbetocin - a long-acting oxytocin analogue - reduces the aggressiveness immediately after mixing adult rams

» [Dr. Lorena Lacuesta](#), Mrs. María Pía Tonna, Mrs. Mercedes Ponce, Mrs. Ana Egüez, Dr. Rodolfo Ungerfeld

Welfare assessment of pigs reared in an organized farm and backyard production system

» [Dr. Kalyan De](#), Dr. Nitin M. Attupuram, Dr. Priyajoy Kar, Dr. Salam Jayachitra Devi, Dr. Loksha E., Dr. Vivek Kumar Gupta



Continued from **Tuesday, 11 August**

Influence of coloured enrichment on behavioural response and growth performance in Ross 308 broiler chickens

» [Dr. Ayoola Oluyemi](#), Dr. Temitope Bankole, Mr. Abdulafeez Olawale, Mr. Kamaldeen Yusuf, Prof. Olufemi Adebisi

Assessment of knowledge, attitudes, and practices of cattle farmers in Northern Nigeria towards livestock vaccination

» [Dr. Farhan Akorede](#), Dr. Latifah Abdulkarim, Dr. Abdulrauf Usman, Dr. Abdulhakeem Azeez, Dr. Abdulhakeem Binhambali, Dr. Shuaib Mahmoud, Ms. Adebimpe Adefila, Dr. Abdulsalam Magaji, Dr. Abdurrahman Jibril

Effect of increasing photoperiod on growth performance, welfare and stress in broiler chickens

» [Dr. Temitope Bankole](#), Dr. Ayoola Oluyemi, Prof. Olufemi Adebisi, Dr. Ngozi Anurudu, Mr. Surajudeen Mustapha

Mitigating the impact of tail biting through a botanical supplementation

» [Ms. Claire Maltret](#), Ms. Amélie Roques, Dr. Alexis Nalovic, Dr. Mohammed el Amine Benarbia

Investigating socially driven robot preference in an AMS-managed dairy herd

» Ms. Joanna Tubbs, [Dr. Day Teixeira](#)

Applying behavioural science to the study of wild animal welfare

» [Dr. Janire Castellano Bueno](#)

15:45 **Tea and Coffee Break**
GBU Convention Center

16:15 **Group Photo**
Entrance Stairs, GBU Convention Center

16:30

Poster 1 Viewing

Poster Area, GBU Convention Center

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» Dr. Janire Castellano Bueno

17:30

Indian Culture

Auditorium 3, GBU Convention Center

Wednesday, 12 August

09:00

Plenary: Sustainable Welfare of Cattle and Buffalo

Auditorium 3, GBU Convention Center

Chaired by: Dr. Maria Camila Ceballos and Dr. Imteyaz Qamar

09:00

Natural behaviors of water buffaloes and their utilization for sustainable welfare and improved performance

» Dr. Madan Lal Kamboj

09:45

Oral 3: Sustainable Welfare of Cattle and Buffalo

Auditorium 3, GBU Convention Center

Chaired by: Dr. Maria Camila Ceballos and Dr. Imteyaz Qamar

09:45

Interrelationships between behavioural, physiological, emotional responses and milk production in dairy cows

» Dr. Mst. Ishrat Zerin Moni, Mr. Asif Uzzaman, Dr. Jashim Uddin

10:00

Suckling mitigates cognitive and behavioural rigidity in socially isolated Murrah buffalo (*Bubalus bubalis*) calves

» Dr. Rajashree Rath, Dr. Pawan Singh Dabas, Dr. Madan Lal Kamboj, Dr. Shwetambri Jamwal

10:15

Grazing behaviour of cattle and environmental services in silvopastoral and monoculture systems in the tropics of Mexico

» Prof. Francisco Galindo, Dr. Gustavo Flores, Dr. Roberto Marquez

09:45

Oral 4: Dogs & Horses--Ethology and Welfare of Managed Animals

Auditorium 2, GBU Convention Center

Chaired by: Prof. Suzanne Millman and Dr. Shakti Sahi

09:45

Consolation responses to human fear and sadness in pet dogs

» Ms. Laura Rial, Ms. Magdalena Jousset, Dr. Juan Pablo Damian, Dr. Mariana Bentosela

10:00

Human-dog relationships shape attitudes toward livestock production practices

» Ms. Elisa Cesário Pereira Stadnick, Ms. Bianca Vandresen, Dr. Maria José Hötzel

10:15

Does electroencephalogram (EEG) monitoring influence lying behavior in horses?

» Mrs. Angela Perrone Barbosa, Dr. Tiago Marcelo Oliveira, Dr. Elie Atallah, Mr. Yuri Ferreira Vicentini, Mrs. Hayza Hamazaki, Prof. Raquel Yvonne Arantes Baccarin, Prof. Emanuela Dalla Costa

10:30

Tea and Coffee Break

GBU Convention Center

11:00

Poster 2 Pitches

Auditorium 3, GBU Convention Center

Chaired by: Dr. Rosangela Poletto and Dr. Anubha Singh

Integrated veterinary interventions improve stray animal welfare and public health: evidence from a one health program in urban Bangladesh

» Mr. Obak Obak, Mr. Riyad Hasan, Mr. Md. Touhidul Islam Shiblu, Mr. Mahmudul Hasan, Mr. Abid Ahmed Niloy, Mr. Rakibul Hasan, Dr. Mst. Ishrat Zerin Moni, Dr. Jashim Uddin

Public perception of animal welfare in Ghana: A cross-sectional survey

» Mr. Ebenezer Effah



Continued from **Wednesday, 12 August**

Cattle transportation in Bangladesh impacts on welfare, physiology, health, and productivity: a comprehensive review

» Mr. Mehedy Hasan Pranto, Dr. Mst. Ishrat Zerin Moni, Mr. Md. Mahabubur Rashid, Mr. Md Niamot Ali, Dr. Jashim Uddin

Balancing welfare and productivity: determinants of cow-calf contact adoption in smallholder and commercial dairy systems of Bangladesh

» Dr. M. Ariful Islam, Dr. Tazin Khandoker, Dr. Solama Akter Shanta, Dr. Tasnim Binte Hassan

Bonds beyond borders: Trust over territory in free-ranging dogs

» Mr. Sivasubramaniam S., Ms. Srijaya Nandi, Prof. Anindita Bhadra

Redrawing boundaries: investigating the influence of resource dispersion on territoriality in free-ranging dogs

» Mr. Richik Guha Neogi, Dr. Sourabh Biswas, Prof. Anindita Bhadra

Effect of staggered single-entry of freshly calved water buffaloes into resident lactating buffaloes on their welfare and lactation performance

» Dr. Sunil Dutt, Dr. Madan Lal Kamboj, Dr. Nishant Kumar, Dr. Sabyasachi Mukherjee, Dr. Sunita Didel

Placental development as a prenatal predictor of early-life behaviour and growth trajectory in indigenous Gir calves managed at a gaushala

» Dr. Anusmita Baishya, Dr. TKS Rao, Dr. Brijal Barot, Dr. Sriranga K.R

Early rearing practices and its Influence on handling behavior of Sahiwal calves during growth monitoring

» Dr. Shwetambri Jamwal, Dr. Pawan Singh Dabas, Dr. Madan Lal Kamboj, Dr. Rajashree Rath

Assessment of the welfare status of cattle during transport, at markets, and in slaughterhouses in Bangladesh

» Prof. Professor Dr. Md. Jalal Uddin Sarder, Dr. Md. Hemayatul Islam, Dr. Abdulla Al-Mamun Bhuyan, Mr. Jahingir Alam Shah, Dr. Mst. Ishrat Zerin Moni, Prof. Akhtarul Islam, Dr. Nabin Kumar Das, Dr. Sabrina Anam, Dr. Jashim Uddin

Monitoring the behavioural and physiological responses in cats during the perioperative period to evaluate their health status

» Mrs. Shafika Sultana Eti, Dr. Mst. Ishrat Zerin Moni, Dr. Abdulla Al-Mamun Bhuyan, Mr. Md Niamot Ali, Mr. Robiul Alam, Prof. Professor Dr. Md. Jalal Uddin Sarder, Prof. Aurangazeb Kabir, Prof. Mohammad Mahbubur Rahman, Dr. M. Ariful Islam, Prof. Md. Rafiqul Alam, Dr. Jashim Uddin

Bridging the welfare gap: Internet of Things (IoT) applications for behaviour monitoring and animal welfare in Nigerian livestock systems

» Prof. Funmilayo Bamigboye, Prof. Emmanuel Ademola

Does habituation modulate vocal parameters of dairy cows during negative challenges?

» Dr. Dinu Gavojdian, Dr. Madalina Mincu-Iorga

Behavioural drivers of animal welfare adoption among cattle farmers in Northern Nigeria: a Theory of Planned Behaviour approach

» Dr. Farhan Akorede, Dr. Latifah Abdulkarim, Dr. Abdurrahman Jibril

Assessment of emotional changes in horses using infrared thermal measurement of the eye

» Dr. Oceane Liehrmann, Ms. Veera Riihonen, Dr. Léa Lansade

The bridge from human to animal well-being

» Ms. Asmi Aggarwal, Dr. Daniel Weary

Amplifying applied ethology research impact: A practical science communication approach for researchers in developing countries

» Dr. Oluwaseun Iyasere



Continued from **Wednesday, 12 August**

Supporting broiler resilience under reduced medication management using *Ocimum gratissimum* leaves extract

» [Dr. Tomilola Makanju](#), Mrs. Bamidele A. Bako, Mr. Hammed O. Amusa

Welfare Practice Index predicts milk yield variation in Himalayan smallholder dairy cows

» [Dr. Ankaj Thakur](#), Dr. Meesam Raza, Dr. Rohit Kumar, Dr. Brij Vanita, Dr. Rakesh Thakur, Prof. Shivani Katoch

Serotonin, temperament, and lactating dairy cow performance: linking the autonomic nervous system and productivity

» Ms. Guadalupe Ceja, [Dr. Courtney Daigle](#)

Assessing animal welfare in Nigerian industrial farms: a case study of Ogun and Niger States

» [Mr. Oluwaseyi Olawuyi](#)

Assessment of knowledge, attitudes, and practices among pet owners regarding neutering and spaying of pet animals in Dhaka, Bangladesh

» [Dr. Md Rashedul Islam](#), Mr. Md. Arifur Rahman, Ms. Nurjahan Akter Juli, Mr. Md Mozahidul Islam Tuser

Effects of *Astragalus membranaceus* by-product on pellet quality, mold growth and resistance of Crucian carp (*Carassius auratus*) against *Aeromonas hydrophila*

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Poster Area, GBU Convention Center



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Effects of Astragalus membranaceus by-product on pellet quality, mold growth and resistance of Crucian carp (Carassius auratus) against Aeromonas hydrophila

» [Dr. Gangfu Chen](#)

12:30

Lunch

GBU Convention Center



Continued from Wednesday, 12 August			
14:00	Mini-Plenaries: Science for Animal Welfare & Humane World <i>Auditorium 3, GBU Convention Center</i> Chaired by: Prof. Maria Jose Hötzel and Dr. Nisha Gaur	15:00	Effect of staggered single-entry of freshly calved water buffaloes into resident lactating buffaloes on their circadian ingestive and resting behaviours » Dr. Madan Lal Kamboj , Dr. Sunil Dutt, Dr. Pawan Singh Dabas, Dr. Nishant Kumar, Dr. Sabyasachi Mukherjee
14:00	The role of applied ethology in science for animal welfare » Dr. Birte Nielsen , Dr. Huw Golledge	15:15	Tea and Coffee Break <i>GBU Convention Center</i>
14:20	From evidence to impact: Applying animal welfare science to advance cage- and crate-free transitions globally » Dr. Vineeta Poojary , Dr. Anna Souza, Dr. Sara Shields	15:45	Workshops <i>GBU Convention Center</i>
14:45	Oral 5: Evidence-Based Practices for Integrating Animal Welfare into Human Cultural Contexts <i>Auditorium 3, GBU Convention Center</i> Chaired by: Prof. Maria Jose Hötzel and Dr. Nisha Gaur		Anticipating futures in applied ethology and animal welfare science: exploring key uncertainties across contexts » Dr. Débora Racciatti, Ms. Laura Rial, Prof. Maria Jose Hötzel
14:45	A five-realms framework for animal welfare » Dr. Katarína Bučková , Ms. Hsiao-Mei Chang, Dr. Kendy Tzu-yun Teng		Behaviour, body language, buckets and bananas: how to and how not to assess animals' affective states. » Dr. Lucy Oldham , Prof. Cathy Dwyer
15:00	Behaviour and welfare: studies towards a sustainable future » Prof. Donald Broom		Exploring opportunities for behavior to support the convalescent veterinary patient » Prof. Suzanne Millman
14:45	Oral 6: Sustainable Welfare of Cattle and Buffalo <i>Auditorium 2, GBU Convention Center</i> Chaired by: Dr. Trevor DeVries and Dr. Eti Sharma		Implementation of the 3Rs: national and international perspectives » Dr. Carly O'Malley, Dr. Arvind Ingle, Dr. Vijay Pal Singh , Dr. Ramachandra Gudde
14:45	Farmers' awareness, perceptions, and on-farm management practices related to dairy cow lameness in smallholder dairy systems of Bangladesh » Dr. Solama Akter Shanta, Dr. Tasnim Binte Hassan , Dr. Md. Siam Ahmed, Dr. M. Ariful Islam	18:00	Yoga & Meditation



Thursday, 13 August

09:00 **Plenary: Digital Tools for Measuring Behavior and Enhancing Animal Welfare**

Auditorium 3, GBU Convention Center

Chaired by: Dr. Courtney Daigle and Dr. Jyoti Upadhyay

09:00 **Non-invasive infrared thermography as a tool for assessing emotion and productivity in dairy cows**

» Dr. Jashim Uddin, Prof. Clive Phillips, Prof. David McNeill

09:45 **Oral 7: Digital Tools for Measuring Behavior and Enhancing Animal Welfare**

Auditorium 3, GBU Convention Center

Chaired by: Dr. Jyoti Upadhyay and Dr. Courtney Daigle

09:45 **Individual piglets identification based on dorsal keypoint detection during behavioral tests**

» Mr. Luís Fernando Costa Garrido, Mr. Fernando Jean Dijkinga, Dr. Leandro Batista Costa, Prof. Ruan Daros

10:00 **What can sound analysis of broiler chickens vocalizations tell us?**

» Ms. Patricia Soster, Dr. Tomasz Grzywalski, Dr. Pieter Thomas, Mr. Camila Lopes Carvalho, Mr. Imad Khan, Dr. Luc Duchateau, Mr. Maarten De Gussem, Prof. Frank Tuytens, Prof. Gunther Antonissem

10:15 **A deep learning system for automating head direction annotation in ungulates**

» Mr. Akin Kaki, Ms. Jana Deutsch, Mr. Steve Lebing, Dr. Sandra Dupjan, Dr. Christian Nawroth

09:45 **Oral 8: Ethological Approaches to Managing Conflict of Free-Living Animals in Human Environments**

Auditorium 2, GBU Convention Center

Chaired by: Dr. Rielle Perttu and Dr. Kushagra Krishnan

09:45 **Human perceptions of coexistence with Sri Lankan leopards (*Panthera pardus kotiya*) across multiple landscapes**

» Prof. Enoke Kudavidanage, Ms. Gihani Hettiarachchi, Ms. Lasanthi Kanthika Wijayathunge Arachchige, Mr. Uditha Egodaunya, Mr. Thilina Dilsara, Mr. Sinnathamby Ranjith, Ms. Rathnam Yuthahari, Ms. Nilma Heshani, Mr. Edison Marynathan, Mr. Kugathasan Kiritharan, Mr. Kasun Chathuranga, Mr. Malith Disanayake, Mr. Chathura Bhanuka, Mr. Pasindu Fransisku, Mr. Mariyanesanjeyaratnam Maricjelojan, Dr. Sanjaya Weerakkody

10:00 **Understanding reward preferences in Indian free-ranging dogs**

» Ms. Srijaya Nandi, Ms. Aesha Lahiri, Ms. Dipayanti Aditya, Mr. Tuhin Subhra Pal, Mr. Anamitra Roy, Ms. Rittika Bairagya, Ms. Tithi Chakraborty, Ms. Rachel Sara Paul, Prof. Anindita Bhadra

10:15 **Predictable resource pulses alter space use and behavioural budgets of free-ranging dogs at public fairs**

» Dr. Sourabh Biswas, Mr. Kalyan Ghosh, Ms. Hindolii Gope, Prof. Anindita Bhadra

10:30 **Tea and Coffee Break**

GBU Convention Center

11:00 **Oral 9: Ethology and Sustainable Welfare of Cattle and Buffalo**

Auditorium 3, GBU Convention Center

Chaired by: Dr. Marina von Keyserlingk and Dr. Tejveer Singh

11:00 **Breed and feedlot phase shape feeding behaviours in steers: insights from beef-on-dairy and Holstein cattle**

» Mr. Michail Moroz, Ms. Zheqi Tao, Mr. Titouan Chapelain, Ms. Melinda Kovacs, Dr. Trevor DeVries, Dr. Joao Costa, Prof. Ruan Daros, Dr. Michael Steele

11:15 **Staggered paired integration modulates social synchrony, agonistic interactions and milking-time behaviour in freshly calved water buffaloes**

» Dr. Sunita Didel, Dr. Madan Lal Kamboj, Dr. Sunil Dutt, Dr. Sanjay Choudhary



Continued from **Thursday, 13 August**

- 11:30 **Beyond locomotion: chronic pain, affective states, and the potential of electroencephalography in lame dairy cows**
» [Ms. Beatriz Souza](#), Dr. Thiago Bernardino, Dr. Fabio Pogliani
- 11:45 **Behavioral and postural assessment of affective state in buffalo calves housed on slatted-bedded flooring**
» [Dr. Dhawal Kant Yadav](#), Dr. Seema Yadav, Dr. Madan Lal Kamboj, Dr. Deeksha Patel
- 12:00 **Inter-observer reliability of adapted Qualitative Behaviour Assessment in beef cattle welfare protocols: effects of methodological variations**
» [Dr. Débora Racciatti](#), Dr. Cecilia Ferrufino, Dr. Leandro Langman
- 12:15 **Behavioral indicators associated with thermotolerance in dairy cattle**
» [Dr. Madison Bacon](#), Dr. Courtney Daigle
- 11:00 **Oral 10: Poultry--Ethology and Welfare**
Auditorium 2, GBU Convention Center
Chaired by: Dr. Oluwaseun Iyasere and Dr. Chandan Kumar
- 11:00 **Behavioural consequences of keel bone damage on night-time perching in laying hens: an exploratory RFID pilot study**
» [Dr. Serge Alindekon](#), Prof. Helen Louton
- 11:15 **Individual characteristics of piling behaviour**
» [Dr. Alex Johny](#), Dr. Peta Taylor, Dr. Alexander Kashev, Mrs. Maxine Fogarty, Dr. Michael Toscano
- 11:30 **To cluster or not: estimation of distance thresholds in laying hens**
» [Mr. Susnato Das](#), Dr. Lorenz Gyax, Prof. Edna Hillmann, Dr. Antonia Patt

- 11:45 **Piling behavior is associated with farm technological level in cage-free egg production**
» [Mrs. Caroline Citta Mazocco](#), Dr. Robson Mateus Freitas Silveira, Dr. Rosangela Poletto, Dr. Iran José Oliveira da Silva
- 12:00 **Does manipulation of nest enclosure or uniformity of light affect hens' spatial navigation?**
» [Dr. Valentina Bongiorno](#), Ms. Kathryn Baugh, Prof. Janice Siegford
- 12:15 **Chicken play – individual variation and connection to affective state**
» [Ms. Rebecca Oscarsson](#), Prof. Per Jensen
- 12:30 **Lunch**
GBU Convention Center
- 14:00 **Plenary: Free Topics**
Auditorium 3, GBU Convention Center
Chaired by: Prof. Cathy Dwyer and Dr. Dinesh Kanwar Yadav
- 14:00 **What does current neurophysiological evidence tell us about the cause and function of environmentally induced stereotypic behaviour in animals?**
» [Dr. Sebastian McBride](#)
- 14:45 **Oral 12: Lab--Ethology and Welfare**
Auditorium 3, GBU Convention Center
Chaired by: Dr. Carly O'Malley and Dr. Shantanu Kalambi
- 14:45 **Replacement of laboratory animals in cancer research using 3D spheroid model**
» Dr. Tejveer Singh, [Ms. Deepika Sharma](#), Mr. Aadipoojya Jain, Ms. Areena Turk, Mr. Ram Avtar Singh, Ms. Ankita Mohapatra, Mr. Rajat Gupta, Ms. Monica Bohot, Dr. Vijay Pal Singh
- 15:00 **Advancing animal welfare in Asia-Pacific by AAALAC International accreditation – 30 years of achievement**
» [Dr. K B Patel](#), Dr. Montip Gettayacamin



Continued from **Thursday, 13 August**

- 15:15 **Tea and Coffee Break**
GBU Convention Center
- 15:45 **Oral 13: Fish & Zoo--Ethology and Welfare of Managed Animals**
Auditorium 3, GBU Convention Center
Chaired by: Dr. Yifei Yang and Dr. Pawan Singh Dabas
- 15:45 **Behavioural and physiological stress responses as integrated welfare indicators in farmed African catfish (*Clarias gariepinus*)**
» [Dr. Felix Nwose](#)
- 16:00 **Long-term husbandry records reveal individual and life-history drivers of daily fish consumption in zoo-managed penguins**
» [Prof. Courtney Archer](#), Ms. Cara Templeton, Dr. Katie Hall, Dr. Rielle Perttu
- 16:15 **Balancing foraging engagement and caretaker usability: evaluating automated feeding strategies for zoo-managed Japanese macaques**
» [Dr. Rielle Perttu](#), Ms. Mary Pederson, Ms. Rachel Peters, Dr. Katie Hall, Prof. Courtney Archer
- 15:45 **Oral 14: Free Papers**
Auditorium 2, GBU Convention Center
Chaired by: Dr. Emma Fàbrega and Dr. Ramachandra Gudde
- 15:45 **How applied ethologists experience and cope with internal conflicts resulting from using animals in their research**
» [Dr. Beth Ventura](#), Ms. Bianca Vandresen, Dr. Caroline Ritter, Dr. Katy Proudfoot
- 16:00 **Role of human posture in free-ranging dogs' approachability towards unfamiliar humans**
» [Ms. Aesha Lahiri](#), Ms. Sriyaya Nandi, Mr. Anamitra Roy, Mr. Tuhin Subhra Pal, Prof. Anindita Bhadra

- 16:45 **Annual General Meeting (AGM)**
Auditorium 3, GBU Convention Center
Chaired by: Prof. Maria Jose Hötzel

- 20:00 **Gala Dinner (Banquet)**

Friday, 14 August

- 09:00 **Plenary: Ethology and Welfare of Managed Animals**
Auditorium 3, GBU Convention Center
Chaired by: Dr. Arvind Ingle and Dr. Rajashree Rath
- 09:00 **How do mothers influence their offspring? An exploration of the role of suckling and maternal care in the development of young animals**
» [Prof. Cathy Dwyer](#)
- 09:45 **Oral 15: Lab--Ethology and Welfare of Managed Animals**
Auditorium 3, GBU Convention Center
Chaired by: Dr. Rajashree Rath and Dr. Arvind Ingle
- 09:45 **Investigating the welfare challenges and benefits for re-homed ex-research rats: mid-term results from a longitudinal survey**
» [Dr. Carole Fureix](#), Mx. Nick Cherbanich, Dr. Louise Evans, Dr. Molly Davidson, Ms. Caitlin Walburn, Mr. Jack Olive, Dr. Augustina Resasco, Dr. Chris Handley, Dr. Vikki Neville, Prof. Michael Mendl
- 10:00 **Scars of the past or signs of the present? Investigating persistent stereotypic behaviours in laboratory mice**
» [Ms. Shay Forget](#), Dr. Lindsey Kitchenham, Dr. Georgia Mason
- 10:15 **Behaviour of non-human primates in captivity**
» [Dr. Ramachandra Gudde](#), Mr. Ramesh Venkatarayappa



Continued from **Friday, 14 August**

09:45 Oral 16: Cattle & Small Ruminant--Ethology and Welfare of Managed Animals

Auditorium 2, GBU Convention Center

Chaired by: Dr. Madison Bacon and Dr. Madan Lal Kamboj

09:45 Maternal protective behaviour and handling reactivity in Angus cows are independent behavioural traits

» Ms. Aiden Dawn McBean, Prof. Ed Pajor, Dr. Maria Camila Ceballos

10:00 Descriptive analysis of calving site selection, postpartum behaviours, and mismothering across different calving environments in beef cattle.

» Ms. Emma Roux, Dr. Maria Camila Ceballos, Dr. M. Claire Windeyer, Dr. Jennifer Pearson, Prof. Ed Pajor

10:15 Two-year-old rams born to shorn ewes display more homogeneous physical activity than those born to non-sheared ewes

» Dr. Rodolfo Ungerfeld, Ms. Andrea Jaqueline Pérez Nieva, Dr. Aline Freitas de Melo, Mr. Hernán Cardoso, Ms. Rocío Cabral, Dr. Julián Oreggioni

10:30 Tea and Coffee Break

11:00 Poster 3 Pitches

Auditorium 3, GBU Convention Center

Chaired by: Prof. Simon Turner

Working donkey welfare in West Africa: A case study in Zuarungu, upper east region of Ghana

» Mr. Abdul-Rahman Safian

Effects of emersion in water on behaviour, morphometric development, reproductive endocrinology and body surface thermoregulation in water buffalo heifers

» Dr. Pradeep Singh, Dr. Arun Kumar Mishra, Dr. Madan Lal Kamboj, Dr. Sunil Dutt

What does the meow say? Investigation of the bioacoustics and frequency of vocalisations during behavioural tests and their association with the veterinary consultation

» Ms. Paula Cieslinski, Mr. Luís Fernando Costa Garrido, Prof. Ruan Daros

Impact of slaughter techniques on animal welfare and ethical meat production: a comprehensive review focusing on the context of Bangladesh

» Mr. Md. Mahabubur Rashid, Dr. Mst. Ishrat Zerin Moni, Mr. Mehedy Hasan Pranto, Mr. Md Niamot Ali, Dr. Jashim Uddin

Animals at work, welfare in context: linking human practices to animal well-being

» Dr. Dennis Kipkorir, Dr. Wyckliffe Ngetich

Using tri-axial accelerometers to evaluate the lying time of working donkeys in Mwea Sub-County, Kenya

» Dr. Wilson Kuria, Prof. Eddy Mogoa, Prof. James Nguhiu-Mwangi, Dr. Willy Mwangi, Dr. Peter Kimeli

Efficacy of electrical stunning and halal slaughter on broiler stress physiology and meat quality: a meta-analysis

» Mr. Utibe Okon, Dr. Muhammad Nizam Hayat, Mr. Emmanuel Nuamah, Prof. Mohd Amran Radzi, Dr. Azalea Hani Othman, Prof. Awis Qurni Sazili

One Welfare at home: Caregiver challenges and cat welfare during home-based treatment of feline sporotrichosis in Brazil

» Ms. Sabrina Sato, Prof. Ruan Daros

Water quality as a determinant of welfare indicators in semi-intensive Nile tilapia farms in Egypt

» Mr. Wasseem Emam, Mr. Mohamed Bakr, Ms. Nada Habashi, Prof. Radi Mohamed, Dr. Ahmad Hamza, Prof. Mahmoud Eltholth, Dr. Sara Barrento, Mr. Murilo Quintiliano

Incorporating animal welfare assessment as a criteria to promote improvements in small scale pig farms in the South of Brazil

» Dr. Marcia Inês Grapéggia Zanella, Mr. Alexandre Copatti Loregian, Prof. Adroaldo Zanella



Continued from Friday, 14 August

Towards a dialogue between multispecies ethnography and animal welfare science: Insights from pasture-based systems in Southern Brazil

» [Dr. Maria Cristina Yunes](#), Dr. Jean Segata

Understanding tick prevention gaps through one health lens: evidence from companion animal owners in Kerala, India

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Impact of confinement on behavior and cortisol chronobiology in gilts

» [Dr. Marisol Parada Sarmiento](#), Dr. Leandro Sabei, Ms. Sarah Ibach, Ms. Sophia T. Barone, Prof. Thomas D. Parsons

Epidemiological trends of bovine viral diseases: welfare implications for cattle in smallholder systems of Bangladesh

» [Prof. Aurangzeb Kabir](#), Dr. Jashim Uddin, Prof. Mohammad Mahbubur Rahman, Mrs. Shohana Sharmin

Lessons learnt from developing a machine learnable ethogram

» [Dr. Adrien Kroese](#), Dr. Moudud Alam, Dr. Lena-Mari Tamminen, Mr. David Berthet, Prof. Nils Fall, Dr. Niclas Högberg

Prevalence and risk factors of lameness and it's underlying causes in lactating dairy cows in Bangladesh

» Mr. M. Mahadi Hasan, Dr. Solama Akter Shanta, Dr. Tazin Khandoker, [Dr. M. Ariful Islam](#)

Pre-lamb shearing: effects on ewe-lamb behavioral responses to early post-partum handling

» [Dr. Aline Freitas de Melo](#), Dr. Messy Pantoja, Dr. Rodolfo Ungerfeld

Effect of a calming supplementation on tail biting: an ethological approach

» Ms. Amélie Roques, [Dr. Alexis Nalovic](#), Ms. Claire Maltret, Dr. Mohammed el Amine Benarbia

Saving the next generation: understanding the struggles of newborn buffalo calves in the Bathan (coastal pasture) areas of Bangladesh

» [Prof. A.K.M. Mostafa Anower](#)

Wallowing improves thermoregulatory and reproductive response of geese during high temperature-humidity index

» [Prof. Emmanuel Ewuola](#), Dr. Elizabeth Akinbola, Mr. Julius Oyewale, Mr. Aminat Ogundele, Dr. Femi Oyeniyi

From science to policy: Applied ethology and global south collaboration to end the donkey skin trade

» [Dr. Patricia Tatemoto](#)

Comparative physiological responses of Nigerian indigenous goat breeds to varying durations of heat stress exposure

» [Dr. Mathew Ayoola](#), Mrs. Deborah Fatoki, Mrs. Deborah Ayoola

The effect of straw bale packaging on slower growing broiler behaviour

» [Dr. Charlotte James](#), Dr. Dawn Scholey, Dr. Ashraf Alkhtib, Mr. Nick Davies, Ms. Izzy Candy, Ms. Kate Parkes, Ms. Anna Lampitt, Mr. Andrew Gibson, Ms. Lauren Spencer, Mr. Paul Phillips, Ms. Kelly Grellier, Prof. Emily Burton

Mapping pig welfare best practices across the five domains model along the production chain, with emphasis on behaviour

» [Dr. Emma Fàbrega](#), Dr. Marko Ocepek, Prof. Lene-Juul Pedersen, Dr. Alessia Zoroaster, Dr. Antonio Marco Maisano, Dr. Heng-Lun Ko

11:30

Poster 3 Viewing

Poster Area, GBU Convention Center

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12:30

Lunch

14:00

Plenary: Applying Animal Behaviour Science to Wildlife Welfare and Conservation

Auditorium 3, GBU Convention Center

Chaired by: Dr. Maria Vilain Rørvang and Prof. Enoka Kudavidanage

14:00

Wildlife welfare: centering the conversation around behavioral biology

» [Prof. Janice Siegford](#), Dr. Maria Diez Leon, Dr. Valentina Bongiorno, Dr. Vittoria Elliott

14:45

Oral 17: Applying Animal Behaviour Science to Wildlife Welfare and Conservation

Auditorium 3, GBU Convention Center

Chaired by: Prof. Enoka Kudavidanage and Dr. Maria Vilain Rørvang

14:45

Associations between judgement bias and other indicators of affective state: a way to advance wild animal welfare science?

» Dr. Janire Castellano Bueno, [Dr. Michael Beaulieu](#)

15:00

Using mice as models to improve conservation captive breeding: females prefer males from higher-welfare, well-resourced housing

» [Dr. Prathipa Anandarajan](#), Ms. Jiayi Cai, Dr. Georgia Mason

14:45

Oral 18: Pigs--Ethology and Welfare of Managed Animals

Auditorium 2, GBU Convention Center

Chaired by: Dr. Rodolfo Ungerfeld

14:45

Housing alters piglet vocalization during handling

» [Dr. Leandro Sabei](#), Dr. Marisol Parada Sarmiento, Prof. Thomas D. Parsons

15:00

Effects of crate opening from day 4 postpartum until weaning on postural changes and piglet trapping in lactating sows

» [Dr. Gudrun Illmann](#), Dr. Helena Chaloupková, Mrs. Veronika Sekyrová



Continued from **Friday, 14 August**

15:15 **Closing & Awards**
Auditorium 3, GBU Convention Center
Chaired by: Dr. Vijay Pal Singh and Prof. Maria Jose Hötzel

16:00 **Tea and Coffee Break**

16:30 **Yoga, Meditation or 5K Fun Run/Walk**