

Scientific programme

Wednesday 14 May

Session 1.

Domestication, Evolution and Biodiversity

Room: Quasar

Chair: Crepaldi / Dovc

	Theatre Session 1	Book of Abstracts page
15:00	Welcome Coffee	
16:00	An Ancient DNA perspective on the origins and spread of domestic cats in Europe <i>invited</i> C. Ottoni	13
16:30	Cats are not small dogs; dogs are not big cats! <i>invited</i> L. Lyons	13
17:00	Dog breed assignment using the ISAG panel of genetic markers and machine learning approaches M. Zorc, P. Dovc	14
17:15	From Tradition to Recognition: Characterizing the Maltese Hunting Dog (Kelb tal-Kačča ta' Malta) in Support of Its Preservation A. Bionda, V. Floridia, S. Bocconi, C. Shoemaker, P. Crepaldi, G. Attard, L. Liotta	14
17:30	Analysis of genomic diversity in the Slovak Cuvac dog H. Vostra-Vydrova, B. Hofmanová, N. Moravcikova, R. Kasarda, L. Vostry	15

Thursday 15 May

Session 2.

Health and Ageing

Room: Quasar

Chair: Stefanon / Leeb

	Theatre Session 2	Book of Abstracts page
8:45	Genomic technologies and their application to combat hereditary diseases in dogs <i>invited</i> T. Leeb	15
9:15	Cell-based Tools for Advancing Canine Genetics Research C. Abeykoon, M. Jackson, T. Watson, S. Meek, L. Adamson, S. Boyle, G. T. Bergkvist, T. Burdon, J. J. Schoenebeck	16
9:30	Diagnosis of canine myxomatous mitral valve disease: Development of a novel microRNA based platform J. May, E. Hanks, R. Coultous, P. Capewell, J. Palarea-Albaladejo, J. Dukes-Mcewan	16
9:45	Perspectives on polyunsaturated fatty acid supplementation for improved immunity in healthy, chronically ill and aging dogs A. Fonseca, A. Cabrita, C. Barroso	17
10:00	Milk is good for all ages: development of antioxidant DHA-loaded milk fat-derived nanocarriers J. Albuquerque, A. Cabrita, F. Soares, A. Granja, C. Nunes, A. Fonseca, S. Reis	18
10:15	Organic selenium yeast reduces TK6 cell mutation frequency: implications for companion animal health K. Horgan, J. Keenan, R. Murphy	18
10:30	Coffee Break	

Room: Scorpio

Time: 11:00 - 13:00

	Poster Session 3	Book of Abstracts page
03.01	Leveraging genomics for modern dog breeding and conservation: the Sicilian Mastiff case study <i>K. Seghrouchni, M. Barbato, A. Bionda, S. Frattini, L. Liotta</i>	19
03.02	Architecture of Ancestral Genomic Components in the Sicilian Mastiff <i>P. Crepaldi, A. Bionda, V. Florida, M. Barbato, L. Liotta</i>	19
03.03	Genetic Characterization of Irish Wolfhound Dogs: A Worldwide Study of Genetic Variability and Inbreeding <i>M. G. Strillacci, M. Poli, S. P. Marelli</i>	20
03.04	Genetic variability of Croatian Shepherd Dog estimated with a pedigree data – a preliminary study <i>I. Djurkin Kušec, K. Gvozdanović, I. Bošković, B. Petric, Ž. Radišić</i>	20
03.05	Guess the Wild: Habitat Prediction Model for Wildcat in Italy <i>S. Comazzi, C. Polce, M. Longeri, M. Maini, R. Milanese, F. Mattucci, E. Velli, R. Caniglia, R. Cazzolla Gatti</i>	21
03.06	SLC35D1 frameshift variant in Weimaraner and Wirehaired Slovakian Pointer: A genetic risk factor for a form of steroid-responsive meningitis-arteritis (SRMA) and hyperostosis? <i>A. Letko, K. Matiaszek, D. Schweizer, C. Drögemüller</i>	21
03.07	Differential expression of microRNAs in descended and undescended canine testicles <i>J. Nowacka-Wozzuk, A. Kajdasz, I. Szczerbal, M. Stachowiak, M. Switonski</i>	22
03.08	Exploring gonadal dysgenesis in dogs with disorders of sex development using spatial transcriptomics <i>J. Nowacka-Wozzuk, S. Hryhorowicz, J. Suszynska-Zajczyk, M. Knauer, A. Lukomska, N. Sowinska, I. Szczerbal, M. Switonski</i>	22
03.09	A rare SNP in the 3'UTR of the AMH gene in a tortoiseshell Maine Coon tomcat with disorder of sex development (38,XX; SRY-negative) <i>J. Nowacka-Wozzuk, I. Szczerbal, A. Szabelska-Beresewicz, J. Zyprych-Walczak, P. Parma, K. Ropka-Molik, M. Jankowska, T. Nowak, M. Stachowiak, N. Rogalska-Niznik, M. Switonski</i>	23
03.10	Sequence analysis of SOX9 gene in a cohort of French bulldogs with disorder of sex development (XX DSD, SRY-negative) <i>J. Nowacka-Wozzuk, S. Albarella, B. Slaska, W. Nizanski, S. Dzimira, N. Sowinska, M. Mikolajczak, M. Sobczak, Z. Sawicz, I. Szczerbal, M. Switonski</i>	23
03:11	Variation of faecal microbiota in dogs during ageing <i>B. Stefanon, F. Balouei, P. Mongillo, N. Mccarthy, A. Paradis, C. De Rivera</i>	17
03.12	The role of the National Rescue Dog Unit in search and rescue operations in Slovenia <i>P. Dovc, M. Velikonja, K. Skulj, M. Zorc</i>	24
03.13	Therapy dogs: bringing smiles and comfort to people in need <i>M. Zorc, U. Ivanovič</i>	24
03.14	Anthropomorphism in the relationship between dog and human <i>E. Jastrzębska, A. Pawłowska, P. Kur</i>	25
03.15	The effect of inbreeding on litter size in the Czech Spotted Dog <i>B. Hofmanova, M. Chladkova, H. Vostra Vydrova, L. Vostry</i>	25
03.16	Why do we want a Maltipoo? Exploring the ownership of this popular designer breed <i>S. Boero, S. Cannas, C. Palestrini, A. Garegnani, G. V. Berteselli</i>	26
03.17	Understanding Grief Experiences of Pet Loss Among African Americans <i>M. Whitney</i>	26
03.18	Pets in Switzerland – Overview and trends derived from national registry recordings <i>U. Heikkilä, K. Ueda, J. L. Morchetti, C. Beglinger, S. Rieder</i>	27
03.19	Sustainability challenges in the Italian pet sector <i>P. Crepaldi, A. Bionda, L. Liotta</i>	27
03.20	Supplemental effect of probiotic on growth performance, nutrient digestibility, and blood profile in beagles <i>S. Cho, Y. Cho, J. W. Jang, I. H. Kim</i>	28
03.21	A Preliminary investigation on the effect of dietary glucan from <i>Aureobasidium pullulans</i> in Beagle health <i>S. Cho, J. W. Jang, D. Min, I. H. Kim</i>	28

03.22	Therapeutic Effects of Hovenia Dulcis Thunb Extract on beagles' liver health <i>J. W. Jang, S. Cho, D. Min, I. H. Kim</i>	29
03.23	Dietary inclusion of hydrolyzed feather meal on nutrient digestibility and fecal quality in adult dogs <i>R. Armone, F. Balouei, A. Randazzo, V. Nava, A. F. M. Alizzi, M. Barbato, B. Stefanon, B. Chiofalo</i>	29
03.24	Application of the E-tongue for evaluating fecal biogenic amines in dogs fed hydrolyzed feather meal <i>F. Accetta, R. Armone, A. R. Di Rosa, B. Chiofalo</i>	30
03.25	Optimizing Canine Nutrition: Evaluating Legumes, Wheat, and Quinoa as Dietary Components <i>J. Litzenburger, N. Paßlack, E. M. Saliu, J. Schulze Holthausen, J. Zentek</i>	30
03.26	Effect of a diet with reduced levels of phenylalanine and tyrosine on coat pigmentation in adult white-coated dogs <i>A. Ruggiero, M. Fantinati, C. Caterino, B. Piccirillo, A. Vastolo, M. I. Cutrignelli</i>	31
03.27	Towards a scientific standard of dentition <i>A. Bionda, L. Liotta, P. Crepaldi</i>	31

Session 4.

Behaviour, cognition, and pet-human interaction

Room: Quasar

Chair: Huber / Gabai

	Theatre Session 4	Book of Abstracts page
14:30	On the necessity and impossibility of breeding working dogs <i>invited P. Arvelius</i>	32
15:00	No evidence of increased stress levels of service dogs, signal dogs and therapy dogs in comparison to family dogs without special tasks <i>L. Huber, S. Mliner, S. Bruckner, K. Weissenbacher</i>	32
15:15	The effects of PTSD-assistance dogs' work on their salivary cortisol levels and their handlers' Quality of life <i>K. Gerwisch, K. Weissenbacher, M. Proyer, R. Palme, L. Huber</i>	33
15:30	Genetic parameters of personality traits in dogs based on behavioral assessment and questionnaire information <i>E. Strandberg, K. Nilsson, K. Svartberg</i>	33
15:45	Not just for fun - Cognitive tests can predict dog's everyday behavior <i>K. Tiira, S. Junttila, A. Valros, K. Mäki</i>	34
16:00	How do Danish dog owners use cages for their dogs? <i>H. Proschowsky, I. Czycholl, L. M. Jønsson, D. J. Laurents, P. Sandøe</i>	34
16:15	Brachycephalic phenomenon. The dark fascination of flat faced dogs <i>S. Boero, S. Cannas, C. Palestini, A. Garegnani, G. V. Berteselli</i>	35
16:30	Coffee Break	

Session 5.

Legislation

Room: Quasar

Chair: Lyons / Longeri

	Theatre Session 5	Book of Abstracts page
17:00	EU Commission proposal on the welfare of dogs and cats and their traceability <i>invited P. Gomez Garcia, A. Gavinelli, M. Raebisch</i>	35
17:30	Breeding Healthy Pets: supporting sustainable dog and cat breeding in Flanders <i>E. Beckers, B. J. G. Broeckx, S. Janssens, N. Buys</i>	36
17:45	Monitoring legal skull criteria for brachycephalic dogs in the PetScan diagnosis registration system <i>H. Fieten, E. De Boer, L. Vree, M. A. Van Hagen</i>	36

Friday 16 May

Session 6.

Pedigrees and population management

Room: Quasar

Chair: Marelli / Strandberg

	Theatre Session 6	Book of Abstracts page
8:45	The Kennel Club's Efforts in Managing Pedigree Dog Breeds: Strategies for Long-Term Sustainability <i>invited J. Iliska</i>	37
9:15	Managing genetic variation in dog breeds – from a practical and organisational point of view <i>S. Malm Persson, H. Skarp</i>	37
9:30	Fit2Breed: a new platform to support sustainable breeding of dogs <i>H. Fietsen, C. Limpens, L. Vree, L. Karssen</i>	38
9:45	The ambiguous role of DNA-testing in dog breeding <i>H. Proschowsky, C. Bruun, P. Sandøe, M. Fredholm</i>	38
10:00	Scientific data on cat management by the members of the Italian National Feline Association: preliminary data <i>B. Padalino, C. Manetti, F. Serena, G. Ballotta, M. Cunto, D. Zambelli</i>	39
10:15	Transition to SNP Genotyping for Parentage Verification: Practical Challenges <i>L. Van De Goor</i>	39
10:30	Brachycephalic heritage breeds in Italy: analysis of studbook entry data <i>S. P. Marelli, M. G. Strillacci, G. Berteselli, M. Polli, S. Cannas</i>	40
10:45	Coffee Break	

Session 7.

Motivations and trends in pet ownership

Room: Quasar

Chair: Tiira / Mongillo

	Theatre Session 7	Book of Abstracts page
11:15	Why do people keep dogs, cats and other companion animals? <i>invited P. Sandøe, T. Bøker Lund, S. Springer</i>	40
11:45	Pet Caregiver Burden: The Role of Attachment, Pet Health, and Care Support <i>S. Joo, M. S. Chun</i>	41
12:00	The role of monocular cues in dogs perception of three-dimensionality <i>A. Broseghini, V. Bevilacqua, C. Guérineau, L. Marinelli, P. Mongillo</i>	41
12:15	"You own a rabbit, you buy a hutch": Understanding public perception of companion rabbit ownership and accommodation requirements <i>N. Powdrill-Wells, F. Cooke, S. Ryan, J. Thornett, K. Stoneman</i>	42

Session 8.

Nutrition

Room: Quasar

Chair: Cutrignelli / Zentek

	Theatre Session 8	Book of Abstracts page
14:00	Alternative proteins in canine nutrition <i>invited J. Zentek</i>	42
14:30	Evaluation of <i>Hermetia illucens</i> larvae meal as the main protein source in a digestibility trial for cats <i>G. Bussone, L. Penazzi, A. Schiavone, U. Ala, L. Prola</i>	43

14:45	The Role of Nutritional Management in Enhancing Welfare of kennel dogs. An Evidence based approach towards education and communication	43
	<i>M. G. Cappai, G. Coppa</i>	
15:00	Evaluation of Tenebrio molitor Meal as a Sustainable Protein Source for Pet Food: In Vitro Digestibility and Antioxidant Capacity	44
	<i>M. R. Dametti, S. Frazzini, I. Ferri, M. Dell'Anno, B. Canala, E. Fusi, L. Rossi</i>	
15:15	Characterization of the gut mycobiome of companion animals	44
	<i>E. Scarsella, G. Jospin, D. Reyes, H. H. Ganz</i>	
15:30	Nutritional knowledge and evolving human-animal relationships: growth trends in the pet food market over the last years	45
	<i>M. I. Cutrignelli</i>	
15:45	Functional ingredients in dogs nutrition	45
	<i>A. Ruggiero, A. Vastolo, M. Ferrara, T. Montefusco, M. I. Cutrignelli, D. Bergero</i>	
16:00	Chemical Composition and Oxidative Stability of Dog Food: Insights into Nutritional Quality	46
	<i>T. Pirman, J. Salobir, A. Levart</i>	

16:15 Coffee Break

Session 9.

Morphology, Breeds

Room: Quasar

Chair: Schoenebeck / Sandøe

	Theatre Session 9	Book of Abstracts page
16:45	Diseased by design or fit to function? Using scientifically informed selection to breed the companion dogs of the future	46
	<i>invited R. Packer</i>	
17:15	General pedigree tracking of recessive disease-causing alleles in dogs	47
	<i>R. Craddock, M. Janes, A. Martin, C. Mellersh, J. Ilkska, P. Wiener, S. Smith, G. Gorjanc</i>	
17:30	Extreme breed standards and inbreeding situation as a reason for the critical health situation in many dog breeds.	47
	<i>O. Vangen</i>	