

Sessions (version 20th of April; final program will be available closer to conference)

Room	Date	Start time	Session
Grote Zaal	Mon 04-Jul-22	08.30	Plenary 1
Eduard Flipse Zaal	Mon 04-Jul-22	10.00	Challenges – Use of multi-omics data
Grote Zaal	Mon 04-Jul-22	10.00	Challenges – Improving genomic prediction (1)
Jurriaanse Zaal	Mon 04-Jul-22	10.00	Novel phenotyping tools: Sensor devices
Van Cappellen Zaal	Mon 04-Jul-22	10.00	Companion animals
Willem Burger Zaal	Mon 04-Jul-22	10.00	Society – Contributions animal breeding to animal welfare
Van Weelde Zaal	Mon 04-Jul-22	12.00	Lunch seminar: Fluidigm
Eduard Flipse Zaal	Mon 04-Jul-22	13.30	Functional Annotation of Genomes: Causal variants & gene discovery (1)
Grote Zaal	Mon 04-Jul-22	13.30	Challenges – Improving genomic prediction (2)
Jurriaanse Zaal	Mon 04-Jul-22	13.30	Novel phenotyping tools: Machine learning and computer vision (1)
Van Cappellen Zaal	Mon 04-Jul-22	13.30	Aquaculture (1)
Willem Burger Zaal	Mon 04-Jul-22	13.30	Challenges – Resource allocation and genetics of feed intake and efficiency (1)
Eduard Flipse Zaal	Mon 04-Jul-22	16.00	Functional Annotation of Genomes: Causal variants & gene discovery (2)
Grote Zaal	Mon 04-Jul-22	16.00	Methods and Tools: Genomic prediction (1)
Jurriaanse Zaal	Mon 04-Jul-22	16.00	Novel phenotyping tools: Machine learning and computer vision (2)
Van Cappellen Zaal	Mon 04-Jul-22	16.00	Aquaculture (2)
Willem Burger Zaal	Mon 04-Jul-22	16.00	Challenges – Resource allocation and genetics of feed intake and efficiency (2)
Grote Zaal	Tue 05-Jul-22	08.30	Plenary 2
Eduard Flipse Zaal	Tue 05-Jul-22	10.00	Society and gene editing and reproduction
Grote Zaal	Tue 05-Jul-22	10.00	Methods and Tools: Genomic prediction (2)
Jurriaanse Zaal	Tue 05-Jul-22	10.00	Challenges – Understanding and utilizing genetic diversity (1)
Van Cappellen Zaal	Tue 05-Jul-22	10.00	Free communications
Willem Burger Zaal	Tue 05-Jul-22	10.00	Caprine/Ovine (1)
Van Weelde Zaal	Tue 05-Jul-22	12.00	Lunch seminar: Genus

Eduard Flipse Zaal	Tue 05-Jul-22	13.30	Epigenetics, structural variants and exploiting transcriptome (1)
Grote Zaal	Tue 05-Jul-22	13.30	Methods and Tools: Genomic prediction (3)
Jurriaanse Zaal	Tue 05-Jul-22	13.30	Challenges – Understanding and utilizing genetic diversity (2)
Van Cappellen Zaal	Tue 05-Jul-22	13.30	Novel traits: Health and well-being (1)
Willem Burger Zaal	Tue 05-Jul-22	13.30	Caprine/Ovine (2)
Eduard Flipse Zaal	Tue 05-Jul-22	16.00	Epigenetics, structural variants and exploiting transcriptome (2)
Grote Zaal	Tue 05-Jul-22	16.00	Methods and Tools: Software and Computing Strategies (1)
Jurriaanse Zaal	Tue 05-Jul-22	16.00	Young scientist career development (with drinks EFFAB/FABRE-TP till 19.00)
Van Cappellen Zaal	Tue 05-Jul-22	16.00	Novel traits: Health and well-being (2)
Willem Burger Zaal	Tue 05-Jul-22	16.00	Caprine/Ovine (3)
Grote Zaal	Wed 06-Jul-22	08.30	Plenary 3: Discussion delivering genetic progress around the world
Eduard Flipse Zaal	Wed 06-Jul-22	10.00	Society – Genetics in the tropics
Grote Zaal	Wed 06-Jul-22	10.00	Methods and Tools: Software and Computing Strategies (2)
Jurriaanse Zaal	Wed 06-Jul-22	10.00	Challenges – Delivering genetic progress in systems around the world
Van Cappellen Zaal	Wed 06-Jul-22	10.00	Education
Willem Burger Zaal	Wed 06-Jul-22	10.00	Bovine Beef (1)
Van Weelde Zaal	Wed 06-Jul-22	12.00	Lunch seminar: Illumina
Grote Zaal	Thu 07-Jul-22	08.30	Plenary 4
Eduard Flipse Zaal	Thu 07-Jul-22	10.00	Design of breeding programs
Grote Zaal	Thu 07-Jul-22	10.00	Challenges – Genetic control of infectious disease transmission and impact (1)
Jurriaanse Zaal	Thu 07-Jul-22	10.00	Challenges – Across species and breed genomics genetics
Van Cappellen Zaal	Thu 07-Jul-22	10.00	Bovine Beef (2)
Willem Burger Zaal	Thu 07-Jul-22	10.00	Bovine Dairy - Genome informed breeding
Van Weelde Zaal	Thu 07-Jul-22	12.00	Lunch seminar: Bayer
Eduard Flipse Zaal	Thu 07-Jul-22	13.30	Breeding goals and selection strategies
Grote Zaal	Thu 07-Jul-22	13.30	Challenges – Genetic control of infectious disease transmission and impact (2)
Jurriaanse Zaal	Thu 07-Jul-22	13.30	Challenges – Use of whole genome sequence information (1)

Van Cappellen Zaal	Thu 07-Jul-22	13.30	Bees and other insects (1)
Willem Burger Zaal	Thu 07-Jul-22	13.30	Bovine Dairy - Genetic evaluation methods
Eduard Flipse Zaal	Thu 07-Jul-22	16.00	Operational breeding programs
Grote Zaal	Thu 07-Jul-22	16.00	Developing countries
Jurriaanse Zaal	Thu 07-Jul-22	16.00	Challenges – Use of whole genome sequence information (2)
Van Cappellen Zaal	Thu 07-Jul-22	16.00	Bees and other insects (2)
Willem Burger Zaal	Thu 07-Jul-22	16.00	Bovine Dairy - Phenotype is king
Grote Zaal	Fri 08-Jul-22	08.30	Plenary 5
Eduard Flipse Zaal	Fri 08-Jul-22	10.00	Methods and Tools: Breeding goals
Grote Zaal	Fri 08-Jul-22	10.00	Statistical genetics: Machine learning, deep learning and artificial intelligence
Jurriaanse Zaal	Fri 08-Jul-22	10.00	Genetic diversity and inbreeding (1)
Van Cappellen Zaal	Fri 08-Jul-22	10.00	Equine
Willem Burger Zaal	Fri 08-Jul-22	10.00	Society – Genetic solutions to achieve net zero carbon emission in livestock systems
Van Weelde Zaal	Fri 08-Jul-22	12.00	Lunch seminar: BIOSEARCH Technologies
Eduard Flipse Zaal	Fri 08-Jul-22	13.30	Avian (1)
Grote Zaal	Fri 08-Jul-22	13.30	Statistical genetics: GWAS (1)
Jurriaanse Zaal	Fri 08-Jul-22	13.30	Genetic diversity and inbreeding (2)
Van Cappellen Zaal	Fri 08-Jul-22	13.30	Porcine (1)
Willem Burger Zaal	Fri 08-Jul-22	13.30	Novel traits: Environment and greenhouse gas (1)
Eduard Flipse Zaal	Fri 08-Jul-22	16.00	Avian (2)
Grote Zaal	Fri 08-Jul-22	16.00	Statistical genetics: GWAS (2)
Jurriaanse Zaal	Fri 08-Jul-22	16.00	Genetic diversity and inbreeding: Genebanking
Van Cappellen Zaal	Fri 08-Jul-22	16.00	Porcine (2)
Willem Burger Zaal	Fri 08-Jul-22	16.00	Novel traits: Environment and greenhouse gas (2)

Presentations within sessions (version 20th of April; final program will be available closer to conference)

Session	Date	Start time	End time		Authors	Title
Plenary 1	4-jul	8:30	9:30		Calus, M.P.L.; Pryce, J.E.; Berry, D.P.	Measure, predict and act; a paradigm of genetics applied to livestock production now and into the future
Challenges – Improving genomic prediction (1)	4-jul	10:00	10:02	Pitch	Croiseau, P.; Baur, A.; Boichard, D.; Ducrocq, V.; Saintilan, R.; Cuyabano, B.C.D.; Karaman, E.; Croué, I.; Leclerc, H.; Thomasen, J.R.	Accuracy of prediction for a genomic evaluation in rotational crossbreeding scheme: Montbéliarde x Holstein x Red Danish
Challenges – Improving genomic prediction (1)	4-jul	10:02	10:04	Pitch	Mei, Q.; Xiang, T.; Liu, H.; Christensen, O.	Genomic evaluation for two-way crossbred performance in cattle
Challenges – Improving genomic prediction (1)	4-jul	10:04	10:06	Pitch	Nawaz, M.Y.; Gondro, C.	Improving accuracy of genomic prediction in distant populations by collecting sequence data over generations
Challenges – Improving genomic prediction (1)	4-jul	10:06	10:08	Pitch	He, Z.; Li, W.; Wen, J.; Zheng, M.; Li, S.; Zhao, G.; Fahey, A.G.; Ding, J.; Liu, R.; Li, Q.	Comparison of genomic prediction methods for residual feed intake in broilers
Challenges – Improving genomic prediction (1)	4-jul	10:08	10:10	Pitch	Alkhoder, H.; Segelke, D.; Liu, Z.; Reents, R.	Impact of foreign phenotype data on single-step genomic evaluation of test-day protein yields for German Holsteins
Challenges – Improving genomic prediction (1)	4-jul	10:15	10:30		Zhao, T.; Cheng, H.; Zeng, J.	Extend mixed models to multi-layer neural networks for genomic prediction including intermediate omics data
Challenges – Improving genomic prediction (1)	4-jul	10:30	10:45		Calle-García, J.; Zingaretti, L.M.; Ballester, M.; Ramayo-Caldas, Y.; Quintanilla, R.; Pérez-Enciso, M.	The holobiont ‘predictome’ of immunocompetence in pigs
Challenges – Improving genomic prediction (1)	4-jul	10:45	11:00		Lamb, H.; Randhawa, I.; Ross, E.; Nguyen, L.; Hayes, B.	The long and short of Nanopore genomic prediction: The effect of read length on prediction accuracy
Challenges – Improving genomic prediction (1)	4-jul	11:00	11:15		Gredler-Grandl, B.; Chitneedi, P.K.; Villanueva, B.; Veerkamp, R.F.; Chud, T.S.; Plastow, G.; Panzanilla-Pech, C.I.V.; Kuehn, C.; Raymond, B.; Li, C.; Charfeddine, N.; Bolormaa, S.; Pryce, J.E.; Cai, Z.; Fernandez, A.; Bouwman, A.C.; Wang, Y.; Baes, C.F.; Fischer, D.; Lidauer, M.H.	Accuracy of genomic prediction of dry matter intake in Dutch Holsteins using sequence variants from meta-analyses
Challenges – Improving genomic prediction (1)	4-jul	11:15	11:30		Pacheco, H.A.; Rossoni, A.; Peñagaricano, F.; Battagin, M.; Cecchinato, A.	Genomic prediction of bull fertility in Italian Brown Swiss cattle
Challenges – Improving genomic prediction (1)	4-jul	11:30	11:45		Lopes, M.S.; Van Son, M.; Sevillano, C.A.; Derks, M.F.L.; Knol, E.F.; Gjuvslund, A.B.; Grindflek, E.	On the use of SNPs of large effect to improve prediction accuracy in pigs
Challenges – Improving genomic prediction (1)	4-jul	11:45	12:00		Makanjuola, B.O.; Cuyabano, B.C.D.; Gondro, C.; Rovere, G.; Lee, S.H.	Including environmental variables in genomic models for carcass traits in Hanwoo beef cattle
Society – Contributions animal breeding to animal welfare	4-jul	10:00	10:02	Pitch	Villumsen, T.M.; Jensen, J.; Chu, T.T.; Zaalberg, R.M.	Genetic analysis of number of functional teats, piglet survival, and piglet weight in organic pigs.
Society – Contributions animal breeding to animal welfare	4-jul	10:02	10:04	Pitch	Grindflek, E.; Olsen, D.; Martinsen, K.H.; Nordbø, Ø.; Enger, E.G.	Genetic analysis of feeding behaviour and tail lesions

Society – Contributions animal breeding to animal welfare	4-jul	10:04	10:06	Pitch	Tuliozi, B.; Gomez Proto, G.; Sartori, C.; Mancin, E.; Mantovani, R.	Response to selection for social dominance including both direct and indirect genetic effects
Society – Contributions animal breeding to animal welfare	4-jul	10:13	10:15	Pitch	Negro, A.; Bionda, A.; Biffani, S.; Cesarani, A.; Cortellari, M.; MacCiotta, N.; Grande, S.; Crepaldi, P.; Carta, A.	Empowerment of the Italian small ruminant sector: new traits and tools toward a sustainable management
Society – Contributions animal breeding to animal welfare	4-jul	10:15	10:45		Wallenbeck, A.	How can breeding for improved animal welfare meet societal expectations and challenges?
Society – Contributions animal breeding to animal welfare	4-jul	10:45	11:00		Leite, N.G.; Nuphaus, S.; Vogelzang, R.; Knol, E.F.; Tsuruta, S.; Lourenco, D.	Swine inflammation and necrosis syndrome (SINS) and its association with biting behavior after weaning
Society – Contributions animal breeding to animal welfare	4-jul	11:00	11:15		Miller, S.P.; Retallick, K.J.	Breeding for future social license for beef production
Society – Contributions animal breeding to animal welfare	4-jul	11:15	11:30		Chu, T.T.; Jensen, J.; Zaalberg, R.M.; Villumsen, T.M.	Selection for piglet mortality and litter size in outdoor organic pig production systems
Society – Contributions animal breeding to animal welfare	4-jul	11:30	11:45		Ellen, E.D.; De Klerk, B.; De Haas, Y.; Van Der Sluis, M.; Bijma, P.; Henshall, J.; Rodenburg, T.B.	Heritability of daily activity over time in broilers
Novel phenotyping tools: Sensor devices	4-jul	10:00	10:02	Pitch	Pedrosa, V.B.; Gloria, L.S.; Montes Gonzalez, M.E.; Boerman, J.P.; Brito, L.F.; Chen, S.Y.; Doucette, J.S.	Estimates of genetic parameters for milkability traits derived from automatic milking systems in North American Holstein
Novel phenotyping tools: Sensor devices	4-jul	10:02	10:04	Pitch	Lou, W.; Ducro, B.; Wang, Y.; Mulder, H.A.; Shi, R.; Liu, L.; Van Der Linden, A.; Oosting, S.J.	Classifying the likelihood of conception in dairy cow with milk mid-infrared spectra before the first insemination
Novel phenotyping tools: Sensor devices	4-jul	10:15	10:30		Toscano, M.J.; Gebhardt-Henrich, S.G.; Petelle, M.B.; Montalcini, C.M.	Use of tracking technology for phenotyping laying hens within cage-free housing
Novel phenotyping tools: Sensor devices	4-jul	10:30	10:45		Swalve, H.H.; Oelschlägel, D.; Rosner, F.; Schafberg, R.	Learning behaviour of dairy cows in automated milking systems: genetic parameters and suggested candidate genes
Novel phenotyping tools: Sensor devices	4-jul	10:45	11:00		Almasi, F.; Nguyen, H.; Pryce, J.E.; Khansefid, M.; Desai, A.; Stear, M.	Repeatability estimates of grazing and rumination activity of Merino sheep measured using wearable sensors
Novel phenotyping tools: Sensor devices	4-jul	11:00	11:15		Bapst, B.; Seefried, F.R.; Von Rohr, P.	Deep data recording for developing resilience traits in Swiss cattle populations: a proof of concept and an application
Novel phenotyping tools: Sensor devices	4-jul	11:15	11:30		Mattalia, S.; Aguerre, S.; Roeland, M.; Poppe, M.	Test-day genetic evaluations: a tool to measure herd resilience through monthly milk records
Novel phenotyping tools: Sensor devices	4-jul	11:30	11:45		Fontanillas, E.; Michenet, A.; Mante, J.; Prieur, V.; Auvray, G.	Genomic selection of postpartum anoestrus recorded with accelerometer collars to improve beef cattle fertility
Novel phenotyping tools: Sensor devices	4-jul	11:45	12:00		Statham, J.M.E.; Adriaens, I.; Vedder, L.; Cozzi, G.; Burton, K.L.; Friggens, N.C.; Kamphuis, C.; Lora, I.; Loke, B.; De Haas, Y.	Developing precision livestock farming in practice: using sensor time series data for breeding decision support systems
Challenges – Use of multi-omics data	4-jul	10:00	10:02	Pitch	Bruscadin, J.J.; Diniz, W.J.S.; Zerlotini, A.; De Souza, M.M.; Cardoso, T.F.; Regitano, L.C.A.; Da Silva, V.H.; Afonso, J.; Coutinho, L.L.; Petrini, J.	Using allele-specific expression to uncover cis-regulation in bovine muscle

Challenges – Use of multi-omics data	4-jul	10:02	10:04	Pitch	Yuan, C.; Lopdell, T.; Gplus E, C.; Salavati, M.; Takeda, H.; Costa Monteiro Moreira, G.; Charlier, C.; Tang, L.; Crowe, M.A.; Cheng, Z.; Georges, M.; Oget-Ebrad, C.; Coppieters, W.; Wathes, D.C.; Gualdron, J.L.; Druet, T.	Enrichment of causative variants in tissue-specific and shared ATAC-Seq peaks in cattle
Challenges – Use of multi-omics data	4-jul	10:04	10:06	Pitch	Cason, E.D.; Barnard, J.; Vermeulen, P.D.; Alom, J.; Fair, M.; Nesar, F.W.C.	Preliminary investigation into the association of members of the rumen biome with production traits in Afrikaner cattle
Challenges – Use of multi-omics data	4-jul	10:06	10:08	Pitch	Zubiri-Gaitán, A.; Casto-Rebollo, C.; Blasco, A.; Mora, M.; Ibañez-Escriche, N.; Santacreu, M.A.; Hernández, P.	Maternal effect on the metagenomic composition determining the intramuscular fat content in rabbits
Challenges – Use of multi-omics data	4-jul	10:08	10:10	Pitch	Biada, I.; Blasco, A.; Ibañez-Escriche, N.; Santacreu, M.A.	The gut microbiome profile varies among individuals of different longevity
Challenges – Use of multi-omics data	4-jul	10:10	10:12	Pitch	He, Y.; Howard, J.; Gray, K.; Maltecca, C.; Huang, Y.; Tiezzi, F.	Comparing methods to summarize gut microbiota composition in estimating microbiability of host phenotypes in swine
Challenges – Use of multi-omics data	4-jul	10:15	10:30		Verschuren, L.M.G.; Verstringe, S.; Ellen, E.D.; De Wit, A.A.C.; Schokker, D.; Kar, S.K.; Kruijt, L.; Van Der Valk, E.G.T.	Organoids as a research tool in animal breeding and nutrition
Challenges – Use of multi-omics data	4-jul	10:30	10:45		Casto-Rebollo, C.; Gorjanc, G.; Pocrnic, I.; Ibañez-Escriche, N.	Simulation of host-microbiome evolution throughout a divergent selection experiment
Challenges – Use of multi-omics data	4-jul	10:45	11:00		Martinez Boggio, G.; Legarra, A.; Meynadier, A.; Christensen, O.F.; Allain, C.; Marie-Etancelin, C.	Rumen bacteria do not provide improved genetic evaluation of dairy traits in sheep
Challenges – Use of multi-omics data	4-jul	11:00	11:15		Giuffra, E.; Pepke, F.; Egidy, G.; Riviere, J.; Mongellaz, M.; Bevilacqua, C.; Blanc, F.; Vilotte, M.	Phenotypic Characterization of Organoids Derived from Pig Intestine Segments.
Challenges – Use of multi-omics data	4-jul	11:15	11:30		Déru, V.; Carillier-Jacquín, C.; Maltecca, C.; Cauquil, L.; Tiezzi, F.; Bouquet, A.; Blanchet, B.; Gilbert, H.; Zemb, O.	Can microbial data improve prediction of breeding values of efficiency traits in pigs fed conventional or fiber diets?
Challenges – Use of multi-omics data	4-jul	11:30	11:45		Ostrovski, H.; Huang, W.; Savegnago, R.P.; Gondro, C.	Investigating new technologies for on-site real-time sequencing for any animal scientist
Challenges – Use of multi-omics data	4-jul	11:45	12:00		Cánovas, A.; McKay, S.; Fonseca, P.A.S.; Medrano, J.F.	Impact of the bovine reference genome (ARS-UCD1.2) on functional annotation at genome, transcriptome and methylome level
Companion animals	4-jul	10:00	10:02	Pitch	Kasarda, R.; Moravčíková, N.	Diversity status and future breeding strategy for Tatra hound in Slovakia
Companion animals	4-jul	10:02	10:04	Pitch	Stella, A.; Majolino, G.; Biffani, S.; Cassani, V.; Minozzi, G.; Cozzi, P.; Biscarini, F.	Genome-wide Association Study for Ectopic Ureter in three dog breeds
Companion animals	4-jul	10:04	10:06	Pitch	Moravčíková, N.; Vostrý, L.; Vašek, J.; Kasarda, R.; Vostrá-Vydrová, H.; Čílová, D.	Linkage disequilibrium variability in the Czechoslovakian wolfdog genome as a result of long-term artificial selection
Companion animals	4-jul	10:13	10:15	Pitch	Zhang, W.; Salavati, M.; Smith, J.; Eory, L.; Schoenebeck, J.J.; Clark, E.; Archibald, A.L.	Applications of Single-molecule Real-time Isoform Sequencing (Iso-Seq) for unravelling complexity of dog transcriptomes
Companion animals	4-jul	10:15	10:30		Shihabi, M.; Cubric-Curik, V.; Dovč, P.; Glavaš, V.; Zorc, M.; Curik, I.	Genome-wide signals of positive selection identified in Livestock Guardian Dogs
Companion animals	4-jul	10:30	10:45		Riser, M.M.; Russenberger, J.; Fragomeni, B.; Leighton, E.; Moser, C.	Implementation of Single-Step GBLUP for complex behaviour traits in Labrador Retrievers used as Service Dogs
Companion animals	4-jul	10:45	11:00		Berg, P.; Windig, J.J.; Van Gemert, C.J.A.	Longevity and major causes of death are heritable in Irish Wolfhound

Companion animals	4-jul	11:00	11:15		Huson, H.J.; Fleyshman, D.I.; Loftus, J.P.; Andrianova, E.L.; Gudkov, A.V.; Brodsky, L.; Wakshlag, J.J.	The Vaika Project: A multidisciplinary study of canine aging and the genetic mechanisms influencing the aging process
Companion animals	4-jul	11:15	11:30		Mészáros, G.; Geretschläger, A.; Mészárosová, M.	Genomic diversity in selected Austrian dog populations
Companion animals	4-jul	11:30	11:45		Janes, M.; Ilska, J.J.; Woolliams, J.A.; Lewis, T.W.; Gorjanc, G.	Breed differences in the management of dog breeding
Companion animals	4-jul	11:45	12:00		Windig, J.J.; Doekes, H.P.; Margarita, M.L.	Inbreeding and litter size in Dutch pedigreed dogs
Lunch seminar:Fluidigm	4-jul	12:00	13:30			
Challenges – Improving genomic prediction (2)	4-jul	13:30	13:32	Pitch	Schmidtmann, C.; Bennewitz, J.; Thaller, G.; Segelke, D.; Tetens, J.	Considering chromosomal trait correlations improves accuracy of genomic prediction
Challenges – Improving genomic prediction (2)	4-jul	13:32	13:34	Pitch	Loh, Z.; Clark, S.; Van Der Werf, J.H.J.	Effects of truncation and false positives in selection of markers for genomic prediction
Challenges – Improving genomic prediction (2)	4-jul	13:34	13:36	Pitch	Cantet, R.J.C.; Forneris, N.S.; Angarita-Barajas, B.K.; Munilla, S.	Genomic selection for breeding values under identity disequilibrium
Challenges – Improving genomic prediction (2)	4-jul	13:43	13:45	Pitch	Tahir, M.S.	Effect of informative polymorphism on accuracy of genomic prediction and heritability
Challenges – Improving genomic prediction (2)	4-jul	13:45	14:00		Fritz, S.; Croiseau, P.; Cuyabano, B.; Ducrocq, V.; Boichard, D.; Tribout, T.	Long distance associations generate erosion of genomic breeding values of candidates for selection
Challenges – Improving genomic prediction (2)	4-jul	14:00	14:15		Legarra, A.; Lourenco, D.; Misztal, I.; Aguilar, I.; Bermann, M.	Definition of reliabilities for models with metafounders
Challenges – Improving genomic prediction (2)	4-jul	14:15	14:30		Moore, K.L.; Girard, C.G.; Johnston, D.J.; Ferdosi, M.H.; Walkom, S.F.	A new metric to assess reference populations for genomic selection in Australian beef breeds
Challenges – Improving genomic prediction (2)	4-jul	14:30	14:45		Hidalgo, J.; Tsuruta, S.; Garcia, A.; Misztal, I.; Lourenco, D.; Bermann, M.; Retallick, K.	Decreasing computing cost of categorical data analysis
Challenges – Improving genomic prediction (2)	4-jul	14:45	15:00		Mrode, R.; Coffey, M.; Winters, M.W.	Within and Across breed Single Step genomic prediction for somatic cell count including foreign information
Challenges – Improving genomic prediction (2)	4-jul	15:00	15:15		Perez, B.C.; Duenk, P.; Bink, M.C.A.M.; Savchuk, A.; Calus, M.P.L.	Using convolutional neural networks for image-based genomic prediction in mice
Challenges – Improving genomic prediction (2)	4-jul	15:15	15:30		Ghaderi-Zefreh, M.; Riggio, V.; Pong-Wong, R.; Doeschl-Wilson, A.; Matika, O.	Selection for robustness: exploring the value of genomic prediction, reaction norm models and phenotyping strategies
Challenges – Resource allocation and genetics of feed intake and efficiency (1)	4-jul	13:30	13:32	Pitch	Lidauer, M.H.; Mehtio, T.; Kokkonen, T.; Negussie, E.; Mantysaari, P.; Mantysaari, E.A.	Modelling multiplicativity in feed efficiency by regression on expected feed intake
Challenges – Resource allocation and genetics of feed intake and efficiency (1)	4-jul	13:32	13:34	Pitch	Pravia, M.I.; Aguilar, I.; Navajas, E.A.; Ravagnolo, O.	Alternative models to predict residual feed intake in Hereford breed and effects on their breeding values accuracy
Challenges – Resource allocation and genetics of feed intake and efficiency (1)	4-jul	13:34	13:36	Pitch	Tortereau, F.; Marcon, D.; Marie-Etancelin, C.; Weisbecker, J.-L.	Feed intake can be predicted as quantitative or qualitative traits
Challenges – Resource allocation and genetics of feed intake and efficiency (1)	4-jul	13:36	13:38	Pitch	Zhang, C.; Dekkers, J.C.M.; Gao, H.; Kemp, R.A.; Plastow, G.S.	Prediction of breeding values for feed intake in pigs using individual versus group records along with correlated traits

Challenges – Resource allocation and genetics of feed intake and efficiency (1)	4-jul	13:38	13:40	Pitch	Toledo-Alvarado, H.O.; Lopez-Cruz, M.; De Los Campos, G.; Santos, J.E.P.; Tempelman, R.J.; Khanal, P.; Vandehaar, M.J.; Peñaricano, F.	Phenotypic and genetic associations between feed efficiency and FTIR milk-spectra
Challenges – Resource allocation and genetics of feed intake and efficiency (1)	4-jul	13:40	13:42	Pitch	Tribout, T.; Vallée, R.; Boichard, D.; Saunier, D.; Minéry, S.; Faverdin, P.; Saille, S.; Ducrocq, V.	Genetic relationships between weight loss in early lactation and daily milk production until 305 days in Holstein cows
Challenges – Resource allocation and genetics of feed intake and efficiency (1)	4-jul	13:43	13:45	Pitch	Lefebvre, R.; Barbey, S.; Tribout, T.; Faverdin, P.; Martin, P.; Jurquet, J.; Boichard, D.	Influence of body condition score genomic index on performance trajectories over the lactation period in Holstein cows
Challenges – Resource allocation and genetics of feed intake and efficiency (1)	4-jul	13:45	14:15		Douhard, F.; Gilbert, H.; Rupp, R.	Feed efficiency and resource allocation trade-offs: theory, evidence and prospects
Challenges – Resource allocation and genetics of feed intake and efficiency (1)	4-jul	14:15	14:30		Bouquet, A.; Thomasen, J.; Kargo, M.; Slagboom, M.; Friggens, N.C.; Puillet, L.	Mechanistic-based prediction of selection response on resilience and feed efficiency traits in dairy cattle
Challenges – Resource allocation and genetics of feed intake and efficiency (1)	4-jul	14:30	14:45		Lenoir, G.; Flatres-Grall, L.; Friggens, N.C.; Muñoz-Tamayo, R.; David, I.	Towards the characterisation of animal robustness by dynamic energy allocation indicators in fattening pigs
Challenges – Resource allocation and genetics of feed intake and efficiency (1)	4-jul	14:45	15:00		Ithurbide, M.; Huau, C.; Cao, J.; Fassier, T.; Wang, H.; Rupp, R.; Larsen, T.; Palhière, I.; Friggens, N.C.; Pires, J.	Milk metabolite profiles in goats selected for longevity support link between resource allocation and resilience
Challenges – Resource allocation and genetics of feed intake and efficiency (1)	4-jul	15:00	15:15		Schopen, G.C.B.; Gredler-Grandl, B.; Sol, M.; Veerkamp, R.F.; De Jong, G.; Van Der Linden, A.; Van Der Beek, S.	Lifetime feed efficiency and deep phenotypes from scarce feed intake records using the mechanistic LiGAPS-Dairy model.
Challenges – Resource allocation and genetics of feed intake and efficiency (1)	4-jul	15:15	15:30		Sonesson, A.K.; Gjerde, B.; Brunsvik, P.; Hatlen, B.; Norris, A.; Difford, G.F.; Meuwissen, T.H.E.	Genetic analysis of feed efficiency in Atlantic salmon
Novel phenotyping tools: Machine learning and computer vision (1)	4-jul	13:30	13:32	Pitch	Doornweerd, J.E.; Kootstra, G.; Ellen, E.D.; De Klerk, B.; Fodor, I.; Bouwman, A.C.; Veerkamp, R.F.; Van Der Sluis, M.	Automated individual walking distance of group-housed broilers; A comparison between ground-truth, RFID, and video.
Novel phenotyping tools: Machine learning and computer vision (1)	4-jul	13:32	13:34	Pitch	Coffey, M.; Denholm, S.J.; Robson, J.F.	Automated Processing and Phenotype Extraction of Ovine Medical Images Using Deep Learning and Computer Vision
Novel phenotyping tools: Machine learning and computer vision (1)	4-jul	13:34	13:36	Pitch	Chen, C.J.; Cheng, H.; Morota, G.	VTag: Automatic pipeline to annotate video data for pig phenomics studies
Novel phenotyping tools: Machine learning and computer vision (1)	4-jul	13:36	13:38	Pitch	Frizzarin, M.; Casa, A.; Gormley, I.C.; McParland, S.	milk spectra selection for equations development to predict milk technological traits
Novel phenotyping tools: Machine learning and computer vision (1)	4-jul	13:38	13:40	Pitch	A. De Oliveira, T.; Stella, A.; Silva, V.; Manunza, A.; Biffani, S.; Bobbo, T.; Ramirez Diaz, J.; Minozzi, G.; Cozzi, P.	Using supervised machine learning for honey harvest prediction

Novel phenotyping tools: Machine learning and computer vision (1)	4-jul	13:45	14:15			Steibel, J.P.; Chen, C.; Norton, T.; Han, J.; Siegford, J.; Colbry, D.	Validation of computer vision algorithms for classifying video segments applied to behavioural phenotyping of pigs
Novel phenotyping tools: Machine learning and computer vision (1)	4-jul	14:15	14:30			Fodor, I.; De Klerk, B.; Doornweerd, J.E.; Bouwman, A.C.	Automated estimation of pose features in broilers using computer vision
Novel phenotyping tools: Machine learning and computer vision (1)	4-jul	14:30	14:45			Matthews, D.; Evans, R.D.; Daly, A.; Pabiou, T.; Beder, C.	Predicting carcass cut yields in cattle from digital images using artificial intelligence
Novel phenotyping tools: Machine learning and computer vision (1)	4-jul	14:45	15:00			Difford, G.F.; Heia, K.; Boison, S.; Mota, V.; Durland, E.; Wold, J.P.; Lindberg, S.K.; Norris, A.; Alvestad, R.; Hatlen, B.; Afseth, N.K.; Noble, C.; Gjerde, B.; Sonesson, A.K.	Digital phenotyping to improve Atlantic salmon feed efficiency and welfare
Novel phenotyping tools: Machine learning and computer vision (1)	4-jul	15:00	15:15			Gebregiwergis, G.T.; Kidane, A.; Meuwissen, T.H.E.; Afseth, N.K.; Prestøkken, E.	Prediction of roughage intake of dairy cows combining milk mid-infrared spectra and cow variables by deep learning
Novel phenotyping tools: Machine learning and computer vision (1)	4-jul	15:15	15:30			Lassen, J.; Borchersen, S.; Thomasen, J.R.	CFIT – a 3D camera based system to measure individual feed intake and predict body weight in commercial farms
Functional Annotation of Genomes: Causal variants & gene discovery (1)	4-jul	13:30	13:32	Pitch		Murani, E.; Ponsuksili, S.; Hadlich, F.; Wimmers, K.	Detection of genes influenced by environmentally responsive cis-regulatory variation in porcine immune cells
Functional Annotation of Genomes: Causal variants & gene discovery (1)	4-jul	13:32	13:34	Pitch		Upadhyay, M.; Hannemann, E.; Medugorac, I.; Russ, I.; Krebs, S.; Thaller, G.; Seichter, D.; Hauser, A.; DacHs, N.; Gehrke, L.J.; Blum, H.	Insight into the most significant quantitative trait locus for calving traits on BTA18 in Holstein dairy cattle
Functional Annotation of Genomes: Causal variants & gene discovery (1)	4-jul	13:34	13:36	Pitch		Chung, Y.; Dinh, P.; Lee, S.; Chung, K.; Choi, I.	Finding potentially causal genetic factors for meat tenderness using eQTL study in Hanwoo cattle
Functional Annotation of Genomes: Causal variants & gene discovery (1)	4-jul	13:36	13:38	Pitch		Kotlarz, K.; Cai, Z.; Szyda, J.; Kosinska-Selbi, B.; Sahana, G.	The application of mixed linear models for the estimation of functional effects on bovine stature based on SNP summary
Functional Annotation of Genomes: Causal variants & gene discovery (1)	4-jul	13:38	13:40	Pitch		Nguyen, L.T.; Kuo, R.I.; Ross, E.M.; Cheng, Y.; Hayes, B.J.	Predicted isoforms of a Brahman cow revealed by full-length transcript sequencing
Functional Annotation of Genomes: Causal variants & gene discovery (1)	4-jul	13:40	13:42	Pitch		Sell-Kubiak, E.; Lopes, M.S.; Szwaczkowski, T.; Derks, M.F.L.; Dobrzanski, J.	Meta-analysis of genome-wide association studies for litter size in pigs indicates new causal variants
Functional Annotation of Genomes: Causal variants & gene discovery (1)	4-jul	13:42	13:44	Pitch		Waineina, R.W.	Selection signatures analyses revealed genes associated with adaptation in selected goat breeds in Kenya
Functional Annotation of Genomes: Causal variants & gene discovery (1)	4-jul	13:44	13:46	Pitch		Ciobanu, D.C.; Kachman, S.K.; Wijesena, H.R.	Investigation of host genetic role in PCV2 infections

Functional Annotation of Genomes: Causal variants & gene discovery (1)	4-jul	13:46	13:48	Pitch	Kour, A.; Jayakumar, S.; Sarkar, M.; Niranjan, S.K.; Pukhrambam, M.	Olfaction: A critical force driving adaptive evolution in Yaks
Functional Annotation of Genomes: Causal variants & gene discovery (1)	4-jul	13:48	13:50	Pitch	Zwane, A.A.; Makgahlela, M.L.; Maiwashe, N.; Nxumalo, K.S.; Van Marle-Koster, E.	Functional analysis of selective sweeps to identify phenotypic traits in South African Nguni cattle
Functional Annotation of Genomes: Causal variants & gene discovery (1)	4-jul	13:50	13:52	Pitch	Lagler, D.K.; Eck, K.; Upadhyay, M.; Russ, I.; Kunz, E.; Lühken, G.; Seichter, D.; Medugorac, I.; Mendel, C.	Fine-mapping of candidate causal genes for tail length in the Merinolandschaf breed
Functional Annotation of Genomes: Causal variants & gene discovery (1)	4-jul	14:00	14:15		Capitan, A.; Cano, E.-M.; Rivière, J.; Boichard, D.; Barbat, A.; Plassard, V.; Leclerc, H.; Danchin-Burge, C.; Besnard, F.; Escoufflaire, C.; Mattalia, S.; Grohs, C.; Relun, A.; Hozé, C.; Péchoux, C.; Guintard, A.; Fritz, S.; Arcangioli, M.-A.; Boussaha, M.; Foucras, G.	Massive detection of cryptic recessive genetic defects in livestock mining millions of life trajectories
Functional Annotation of Genomes: Causal variants & gene discovery (1)	4-jul	14:15	14:30		Grohs, C.; Jourdain, J.; Capitan, A.; Mortier, J.; Plassard, V.; Corbeau, J.; Guatteo, R.; Hamelin, C.; Boussaha, M.; Boichard, D.; Barbat, A.	A de novo missense mutation of COL1A1 causes Osteogenesis Imperfecta type 2 and premature delivery in Normande Cattle
Functional Annotation of Genomes: Causal variants & gene discovery (1)	4-jul	14:30	14:45		Walker, L.R.; Ciobanu, D.C.; Vu, H.	CRISPR-Cas9 gene editing enables functional evaluation of a host Synaptogyrin-2 missense variant in PCV2b infection
Functional Annotation of Genomes: Causal variants & gene discovery (1)	4-jul	14:45	15:00		Sanchez, M.P.; Kadri, N.; Kühn, C.; Croiseau, P.; Maak, S.; Pausch, H.; Tribout, T.; Spengeler, M.; Boussaha, M.; Chitneedi, P.K.; Wang, Y.; Philippe, R.; Hozé, C.; Boichard, D.	Sequence-based GWAS meta-analyses for beef production traits
Functional Annotation of Genomes: Causal variants & gene discovery (1)	4-jul	15:00	15:15		Crespo-Piazuelo, D.; Mongellaz, M.; Ramayo-Caldas, Y.; Mercat, M.-J.; González-Rodríguez, O.; Ballester, M.; Huisman, A.E.; Acloque, H.; Sánchez, J.P.; Bink, M.C.A.M.	Deciphering genetic variants from whole genome affecting duodenum, liver and muscle transcriptomes in pigs
Functional Annotation of Genomes: Causal variants & gene discovery (1)	4-jul	15:15	15:30		Besnard, F.; Cesbron, N.; Strugnell, B.; Barasc, H.; Grohs, C.; Leclerc, H.; Dorso, L.; Piton, A.; Boussaha, M.; Femenia, M.; Jewell, N.	Analysis of mortality rates in the female progeny of Holstein bulls allows discovery of new dominant genetics defects.
Aquaculture (1)	4-jul	13:30	13:32	Pitch	Calboli, F.C.F.; Nousianen, A.; Houston, R.D.; Koskinen, H.; Fraslin, C.; Kause, A.	Conserved QTL and chromosomal inversions affect resistance to columnaris disease in two rainbow trout populations.
Aquaculture (1)	4-jul	13:32	13:34	Pitch	Sae-Lim, P.; Baranski, M.; Boison, S.	Multi-trait genome wide association study in correlated traits: fillet colour and body weight in Atlantic salmon
Aquaculture (1)	4-jul	13:34	13:36	Pitch	Jourdan, A.; Enez, F.; Degremont, L.; Leroy, P.; Chenier, F.; Boudry, P.; Bugeon, J.; Allal, F.; Haffray, P.; Morvezen, R.; Phocas, F.; Vetois, E.	Implementation of genomic selection on production and quality traits and linkage disequilibrium in <i>Crassostrea gigas</i>
Aquaculture (1)	4-jul	13:45	14:00		Manosalva, C.; Sae-Lim, P.; Baranski, M.; Pavez, M.L.; Norris, A.; Boison, S.A.	Genetic correlation between IP and cohabitation challenge test model for <i>Piscirickettsia salmonis</i> in Atlantic salmon
Aquaculture (1)	4-jul	14:00	14:15		Moen, T.; Grammes, F.; Deerenberg, R.; Ødegård, J.; Knutsen, T.; Cichero, D.	Using "population-specific haplotypes" to select for resistance to SRS in an admixed population of coho salmon
Aquaculture (1)	4-jul	14:15	14:30		Vallejo, R.L.; Fragomeni, B.O.; Naish, K.A.; Shewbridge, K.L.; Gao, G.; Martin, K.E.; Cheng, H.; Palti, Y.; Long, R.L.	Genetic architecture of resistance to infectious hematopoietic necrosis virus in three aquaculture rainbow trout strains

Aquaculture (1)	4-jul	14:30	14:45		Fraslin, C.; Koskinen, H.; Houston, R.D.; Nousiainen, A.; Kause, A.	Potential of imputation for cost-efficient genomic selection for resistance to <i>Flavobacterium columnare</i> in rainbow trout
Aquaculture (1)	4-jul	14:45	15:00		Faggion, S.; Bonfatti, V.; Bargelloni, L.; Bertotto, D.; Freguglia, M.; Carnier, P.	Genomic prediction of complex traits in European sea bass: random cross-validation and leave-one-family-out validation
Aquaculture (1)	4-jul	15:00	15:15		Ødegård, J.; Medina, M.; Cichero, D.; Korsvoll, S.A.; Kjøglum, S.; Moen, T.; Yáñez, J.M.; Torgersen, J.S.; Lopez, P.; Deerenberg, R.	Genetics of parasite attraction in Atlantic salmon: Potential for group-level protection against sea lice
Aquaculture (1)	4-jul	15:15	15:30		Mukiibi, R.; Peñaloza, C.; Tsigenopolous, C.; Laureau, S.; Franch, R.; Houston, R.; Robledo, D.; Toffan, A.; Freguglia, M.; Ferraresso, S.; Bargelloni, L.; Pascoli, F.; Bertotto, D.	A major QTL affects resistance to viral nervous necrosis in farmed European seabass
Methods and Tools: Genomic prediction (1)	4-jul	16:00	16:02	Pitch	Mancin, E.; Tuliozi, B.; Mantovani, R.; Sartori, C.; Proto, G.G.	Benchmark SNPs selection strategies to achieve optimum prediction in small population
Methods and Tools: Genomic prediction (1)	4-jul	16:02	16:04	Pitch	Rostellato, R.; Ducrocq, V.; Maugan, L.-H.	Genetic correlations among longevity, fertility, udder health and type traits including or not genomic information
Methods and Tools: Genomic prediction (1)	4-jul	16:04	16:06	Pitch	Santana, B.; Fragomeni, B.; Riser, M.M.	Alternative SNP weighting for genomic prediction methods in the presence of causative variants
Methods and Tools: Genomic prediction (1)	4-jul	16:06	16:08	Pitch	Campos, G.S.; Neves, H.H.R.; Carvalheiro, R.; Júnior, G.A.F.; Silva, D.A.; Albuquerque, L.G.; Lourenco, D.; Fonseca, L.F.S.	Including selected sequence variants in genomic predictions for age at first calving in Nelore cattle
Methods and Tools: Genomic prediction (1)	4-jul	16:08	16:10	Pitch	Maugan, L.-H.; Rostellato, R.; Ducrocq, V.; Tribout, T.; Mattalia, S.	Increasing accuracy of single-step evaluations of functional longevity including information from correlated traits
Methods and Tools: Genomic prediction (1)	4-jul	16:10	16:12	Pitch	Akanno, E.C.; Zhang, C.; Plastow, G.; Thekkoot, D.M.; Bierman, C.; Kemp, R.A.	Multi-trait genomic estimation of genetic parameters for growth and carcass traits of Duroc pigs
Methods and Tools: Genomic prediction (1)	4-jul	16:12	16:14	Pitch	Mafra Fortuna, G.; Johnsson, M.; Gorjanc, G.; Zumbach, B.J.; Pocrnic, I.	Accounting for nuclear- and mito-genome in genetic evaluation and breeding of dairy cattle
Methods and Tools: Genomic prediction (1)	4-jul	16:15	16:30		Valente, B.D.; Grueneberg, A.; Ros-Freixedes, R.; De Los Campos, G.; Chen, C.Y.; Herring, W.O.	Using residual regressions to quantify and map signal leakage in genomic prediction
Methods and Tools: Genomic prediction (1)	4-jul	16:30	16:45		Mollandin, F.; Croiseau, P.; Gilbert, H.; Rau, A.	Capitalizing on complex annotations in Bayesian genomic prediction for a backcross population of growing pigs
Methods and Tools: Genomic prediction (1)	4-jul	16:45	17:00		Bink, M.C.A.M.; Derks, M.F.L.; Perez, B.C.; Calus, M.P.L.; Visscher, J.	Predictive ability of genomic prediction in layers when including CADD scores as genome function information
Methods and Tools: Genomic prediction (1)	4-jul	17:00	17:15		Olasege, B.S.; Porto-Neto, L.R.; Fortes, M.R.S.; Tahir, M.S.; Hayes, B.J.	Across-sex genomic prediction using pre-selected SNP sets in cattle
Methods and Tools: Genomic prediction (1)	4-jul	17:15	17:30		Karaman, E.; Cai, Z.; Sahana, G.; Milkeviych, V.; Janss, L.; Lund, M.S.	Genomic prediction with incomplete omics data
Methods and Tools: Genomic prediction (1)	4-jul	17:30	17:45		Yu, H.; Knol, E.; Dekkers, J.; Van Milgen, J.; Fernando, R.	A Bayesian hierarchical model to integrate a mechanistic growth model in genomic prediction
Methods and Tools: Genomic prediction (1)	4-jul	17:45	18:00		Qu, J.; Cheng, H.; Runcie, D.E.	Mega-scale mixed models for genome-wide prediction with thousands of high-throughput phenotyping traits
Challenges – Resource allocation and genetics of feed intake and efficiency (2)	4-jul	16:00	16:02	Pitch	MacHefert, C.; Hassoun, P.; Astruc, J.M.; Allain, C.; Robert-Granie, C.; Lagriffoul, G.; Parisot, S.; Larroque, H.; Portes, D.	Validation and genetic analysis of a feed efficiency criterion in French Lacaune ewes

Challenges – Resource allocation and genetics of feed intake and efficiency (2)	4-jul	16:02	16:04	Pitch	Keogh, K.; Kenny, D.A.; McGee, M.	Gene co-expression networks contributing to variation in residual feed intake in bovine hepatic tissue
Challenges – Resource allocation and genetics of feed intake and efficiency (2)	4-jul	16:04	16:06	Pitch	Chassier, M.; Rupp, R.; Bailly-Salins, A.; Mosnier, F.; Bluet, B.; Palhière, I.	Genetics parameters of feed efficiency in dairy goats, under commercial conditions
Challenges – Resource allocation and genetics of feed intake and efficiency (2)	4-jul	16:06	16:08	Pitch	Madilindi, M.A.; Dube, B.; Zishiri, O.T.; Banga, C.B.	Genetic analysis of predicted dry matter intake and gross feed efficiency in South African Holstein cows
Challenges – Resource allocation and genetics of feed intake and efficiency (2)	4-jul	16:08	16:10	Pitch	Kempe, R.M.; Leino, A.-M.; Fikse, W.F.; Negussie, E.; Pitkänen, T.J.; Lidauer, M.H.; Mehtiö, T.; Nielsen, U.S.; Mäntysaari, E.A.; Koivula, M.; Aamand, G.P.; Pösö, J.; Stephansen, R.B.	Single-step genomic prediction for metabolic body weight of Nordic Red dairy cattle
Challenges – Resource allocation and genetics of feed intake and efficiency (2)	4-jul	16:10	16:12	Pitch	Silva, J.A.II., V.; Castilhos, A.M.; Srihi, H.; Oliveira, M.H.V.; Toro-Ospina, A.M.; Varona, L.	Application of imputed data and single-step GBLUP in the study of residual feed intake trait of Nellore cattle
Challenges – Resource allocation and genetics of feed intake and efficiency (2)	4-jul	16:12	16:14	Pitch	Chen, Y.; Vanderick, S.; Gengler, N.; Grelet, C.; Hu, H.	Relationship between proxies of energy states and nitrogen use efficiency for Holstein cows in early lactation
Challenges – Resource allocation and genetics of feed intake and efficiency (2)	4-jul	16:14	16:16	Pitch	Tavernier, E.; Delaby, L.; O'Donovan, M.; Gormley, I.C.; McParland, S.; Berry, D.P.	genetic variation exists in nitrogen use efficiency for lactating cows in grass-grazed dairy systems
Challenges – Resource allocation and genetics of feed intake and efficiency (2)	4-jul	16:16	16:18	Pitch	Sánchez, J.P.; González-Rodríguez, O.; Mora, M.; Ramayo-Caldas, Y.; Piles, M.; Velasco-Galilea, M.	Study of the causal relationship between the rabbit cecal microbiota and host's growth and feed efficiency
Challenges – Resource allocation and genetics of feed intake and efficiency (2)	4-jul	16:18	16:20	Pitch	Martinez-Alvaro, M.; Weng, Z.; Cleveland, M.A.; Mattock, J.; Roehe, R.; Dewhurst, R.J.; Watson, M.	Part of the functional rumen core microbiome is influenced by the bovine host genome and associated with feed efficiency
Challenges – Resource allocation and genetics of feed intake and efficiency (2)	4-jul	16:20	16:22	Pitch	Ramirez, J.F.; Friggens, N.C.; Puillet, L.	Identifying diversity in cattle performance using Bayesian inference and a model
Challenges – Resource allocation and genetics of feed intake and efficiency (2)	4-jul	16:22	16:24	Pitch	Heins, B.J.; Hansen, L.B.; Pereira, G.M.	Feed efficiency of crossbreds of Montbéliarde, Viking Red, and Holstein with Holstein cows fed two alternative diets
Challenges – Resource allocation and genetics of feed intake and efficiency (2)	4-jul	16:30	16:45		Miyumo, S.A.; Ilatsia, E.D.; Chagunda, M.G.G.; Wasike, C.B.; Bennowitz, J.	Genetic and phenotypic associations among production, feed efficiency and immune traits in indigenous chicken of Kenya
Challenges – Resource allocation and genetics of feed intake and efficiency (2)	4-jul	16:45	17:00		Stephansen, R.B.; Gredler-Grandl, B.; Schenkel, F.; Sahana, G.; Martin, P.; Lassen, J.; Baes, C.; Manzanilla Pech, C.I.V.; Veerkamp, R.F.; Ducrocq, V.	Novel genetic parameters to improve gRFI in dairy cattle using big data from multiple lactations and countries
Challenges – Resource allocation and genetics of feed intake and efficiency (2)	4-jul	17:00	17:15		Chapuis, H.; Gilbert, H.; Lagüe, M.	Genetic parameters of feeding behaviour traits in parental lines of a mule duck

Challenges – Resource allocation and genetics of feed intake and efficiency (2)	4-jul	17:15	17:30		Cavani, L.; Parker Gaddis, K.L.; Weigel, K.A.; Vandehaar, M.J.; Brown, W.E.; Peñagaricano, F.; Tempelman, R.J.; White, H.M.	Estimates of genetic parameters for feeding behavior traits and its association with feed efficiency in Holstein cows
Challenges – Resource allocation and genetics of feed intake and efficiency (2)	4-jul	17:30	17:45		Ewaoluwagbemiga, E.O.; Kasper, C.; Bee, G.	Protein efficiency is heritable but not genetically correlated with meat quality in pigs
Challenges – Resource allocation and genetics of feed intake and efficiency (2)	4-jul	17:45	18:00		Martinsen, K.H.; Grindflek, E.; Mydland, L.T.; Enger, E.G.; Meuwissen, T.H.E.; Afseth, N.K.; Wallen, S.	Genetic analysis of digestibility traits in pigs measured by near-infrared spectroscopy
Novel phenotyping tools: Machine learning and computer vision (2)	4-jul	16:00	16:02	Pitch	Adriaens, I.; Hulsegge, I.; Ouweltjes, W.; Kamphuis, C.	Video-based analysis of dairy cow behaviour: detection of lying down and standing up
Novel phenotyping tools: Machine learning and computer vision (2)	4-jul	16:02	16:04	Pitch	Segelke, D.; Wabbersen, J.; Alkhoder, H.	Image-based cattle conformation prediction using deep learning methods
Novel phenotyping tools: Machine learning and computer vision (2)	4-jul	16:04	16:06	Pitch	Xue, Y.; Komen, H.; Bastiaansen, J.W.M.	prediction of fat percentage and visceral weight from whole fish images with multi-input neural network
Novel phenotyping tools: Machine learning and computer vision (2)	4-jul	16:06	16:08	Pitch	Heo, S.; Park, J.; Koh, Y.J.; Cho, E.; Cho, S.; Cha, J.; Kim, M.; Lee, J.H.; Jin, D.	A case-control GWAS for the chicken plumage colour using a computer vision approach
Novel phenotyping tools: Machine learning and computer vision (2)	4-jul	16:08	16:10	Pitch	Bobbo, T.; Pedota, G.; Neglia, G.; Manunza, A.; Matera, R.; Cotticelli, A.; Ramirez-Diaz, J.; Biffani, S.; Stella, A.	Machine learning to predict somatic cell count at the subsequent test-day record in the Italian Mediterranean Buffaloes
Novel phenotyping tools: Machine learning and computer vision (2)	4-jul	16:10	16:12	Pitch	Keshavarzi, H.; Lee, C.; Campbell, D.L.M.	Application of machine learning algorithms to develop behavioural and stress phenotypes for sheep
Novel phenotyping tools: Machine learning and computer vision (2)	4-jul	16:15	16:45		Dorea, J.R.R.; Rosa, G.J.M.	Computer vision systems to advance high-throughput phenotyping in livestock
Novel phenotyping tools: Machine learning and computer vision (2)	4-jul	16:45	17:00		Kamphuis, C.; Ouweltjes, W.; Adriaens, I.; Hulsegge, I.	Tracking multiple cows simultaneously in barns using computer vision and deep learning
Novel phenotyping tools: Machine learning and computer vision (2)	4-jul	17:00	17:15		Sánchez, J.P.; González, O.; Perucho, O.; Muñoz, I.; Piles, M.; Pascual, M.; Alsina, P.	A Computer Vision System for Individual Tracking of Group Housed Rabbits
Novel phenotyping tools: Machine learning and computer vision (2)	4-jul	17:15	17:30		Girardie, O.; Billon, Y.; David, I.; Bonneau, M.; Bailly, J.; Canario, L.	Clustering of Meishan and Large White sows for activity defined from image analysis, and influence on piglet mortality
Novel phenotyping tools: Machine learning and computer vision (2)	4-jul	17:30	17:45		Le Graverand, Q.; Weisbecker, J.L.; Marcon, D.; Marie-Etancelin, C.; Meynadier, A.; Tortereau, F.	Using machine learning to predict feed intakes of meat sheep from animal traits and ruminal microbiota

Novel phenotyping tools: Machine learning and computer vision (2)	4-jul	17:45	18:00			Pérez-Enciso, M.; Zingaretti, L.M.	The magic of predicting shapes from DNA
Functional Annotation of Genomes: Causal variants & gene discovery (2)	4-jul	16:00	16:02	Pitch		Verardo, L.L.; Panetto, J.C.C.; MacHado, M.A.; Silva, M.V.G.B.	Candidate genes for milk, growth and immune system traits in Brazilian Iberian-derived Locally Adapted cattle breeds
Functional Annotation of Genomes: Causal variants & gene discovery (2)	4-jul	16:02	16:04	Pitch		Kooverjee, B.B.; Nesor, F.W.C.; Scholtz, M.M.; Soma, P.; Van Der Nest, M.A.	Copy Number Variation analysis in Nguni and Bonsmara crossbred cattle
Functional Annotation of Genomes: Causal variants & gene discovery (2)	4-jul	16:04	16:06	Pitch		Vanhala, T.K.; Buhelt Johansen, L.; Paulsson, M.; Lewerentz, F.; De Koning, D.J.; Sibersen, C.; Glantz, M.	Resequencing of casein genes in Swedish Red Cattle with varying milk coagulation properties
Functional Annotation of Genomes: Causal variants & gene discovery (2)	4-jul	16:06	16:08	Pitch		Prakash, V.; Suthar, S.; Jyotsana, B.	Major Histocompatibility Complex (MHC) Class II DRB gene Exon-2 of Indian camel breeds show limited genetic diversity
Functional Annotation of Genomes: Causal variants & gene discovery (2)	4-jul	16:08	16:10	Pitch		Silva Mello Cesar, A.; Nery Ciconello, F.; Costa Monteiro Moreira, G.; Cesar Carvalho Balieiro, J.; Koltes, J.; Luchiari Filho, A.; Pereira Martins Da Silva, B.; Barreto Mourao, G.; Correia Almeida Regitano, L.; Reecy, J.; Vezzoni De Almeida, V.; Larissa Fanalli, S.; Lehmann Coutinho, L.; Koltes, D.	Transcriptome profile of liver from pigs fed with two different levels of soybean oil revealed the NF-κB1 modulation
Functional Annotation of Genomes: Causal variants & gene discovery (2)	4-jul	16:10	16:12	Pitch		Kale, D.S.; Singh, J.; Patil, D.V.; Kate, R.R.	SPP1 gene polymorphisms within Intron-IV and Exon-IV region and their association with milk traits in Gaolao cattle
Functional Annotation of Genomes: Causal variants & gene discovery (2)	4-jul	16:15	16:30			Jungnickel, M.K.; Hickey, J.M.; Johnsson, M.	Building in vitro tools for livestock genomics: chromosomal variation within the PK15 cell line
Functional Annotation of Genomes: Causal variants & gene discovery (2)	4-jul	16:30	16:45			Kadri, N.K.; Pausch, H.	Conserved non-coding elements of the Bovine genome
Functional Annotation of Genomes: Causal variants & gene discovery (2)	4-jul	16:45	17:00			Littlejohn, M.D.; Trevarton, A.; Chamberlain, A.J.; Tiplady, K.M.; Lopdell, T.J.; Snell, R.G.; Prowse-Wilkins, C.P.; Moody, J.; Goddard, M.E.; Burborough, K.A.	A massively parallel reporter assay to screen bovine regulatory variants
Functional Annotation of Genomes: Causal variants & gene discovery (2)	4-jul	17:00	17:15			Aslam, M.L.; Boison, S.A.; Koga, S.; Baranski, M.; Gonen, S.; Dagnachew, B.; Robinson, N.; Leder, E.; Østbye, T.-K.K.; Norris, A.	Detection of causative genes for resistance against cardiomyopathy syndrome in Atlantic salmon using omics data
Functional Annotation of Genomes: Causal variants & gene discovery (2)	4-jul	17:15	17:30			Klawatsch, J.; Koutsouli, P.; Medugorac, I.; Russ, I.; Papachristou, D.; Bizelis, I.; Seichter, D.; Simčič, M.	Genetic regulation of ear size in Slovenian and Greek sheep breeds
Functional Annotation of Genomes: Causal variants & gene discovery (2)	4-jul	17:30	18:00			Xiang, R.; Prowse-Wilkins, C.P.; MacLeod, I.M.; Mason, B.A.; Goddard, M.E.; Marett, L.C.; Reich, C.M.; Chamberlain, A.J.; Garner, J.B.	Large-scale 'omics fine-mapping identifies expression quantitative trait loci significantly affecting cattle phenotypes

Aquaculture (2)	4-jul	16:00	16:02	Pitch	Aththar, M.H.F.; Imron, I.; Camara, M.; Setyawan, P.; Bastiaansen, J.W.M.; Gunadi, B.; Komen, H.	The potential indicator for resilience of Sukamandi strain tilapia grown in brackish water ponds
Aquaculture (2)	4-jul	16:02	16:04	Pitch	Saura, M.; Peiro-Pastor, R.; Gökçek, E.Ö.; Bargelloni, L.; Houston, R.D.; Fernández, A.; Karahan, B.; Tsigenopoulos, C.S.; Peñaloza, C.; Fernández, J.; Villanueva, B.; Gamsiz, K.; Sonesson, A.K.	Exploiting genomics to infer population structure and genetic variability in wild and farmed seabream and seabass
Aquaculture (2)	4-jul	16:04	16:06	Pitch	Scholtens, M.R.; Clarke, S.M.; Symonds, J.E.; Tate, M.L.; Dodds, K.G.; Slatery, T.; Walker, S.P.; Miller, R.	Comparison of tank and commercial sea-pen family evaluation of Chinook salmon (<i>Oncorhynchus tshawytscha</i>) in New Zealand
Aquaculture (2)	4-jul	16:06	16:08	Pitch	Pouil, S.; Quillet, E.; Labbé, L.; Kernéis, T.; Dupont-Nivet, M.; Lallias, D.; Phocas, F.	Testing fat content or feeding behaviour as indirect selection criteria for feed efficiency using trout isogenic lines
Aquaculture (2)	4-jul	16:15	16:45		Abbink, W.; Agbeti, W.; Komen, J.; Palstra, A.; Lembo, G.	The possibilities of using electronic sensors for aquaculture breeding
Aquaculture (2)	4-jul	16:45	17:00		Lagarde, H.; Patrice, P.; Phocas, F.; Cachelou, F.; François, Y.; Lallias, D.; Dupont-Nivet, M.; Acin-Perez, A.; Prchal, M.; Haffray, P.; D'Ambrosio, J.	GENETIC PARAMETERS AND GENOME-WIDE ASSOCIATION STUDY OF RESISTANCE TO ACUTE HYPERTHERMIA IN RAINBOW TROUT
Aquaculture (2)	4-jul	17:00	17:15		Yu, X.; Mulder, H.A.; Komen, H.; Benzie, J.A.H.; Mengistu, S.B.; Groenen, M.A.M.; Palstra, A.P.; Megens, H.J.; Trinh, T.Q.	QTLs controlling swimming performance and their effect on growth in Nile tilapia (<i>Oreochromis niloticus</i>)
Aquaculture (2)	4-jul	17:15	17:30		Bastiaansen, J.W.M.; Komen, H.; Gulzari, B.; Camara, M.; Roozeboom, C.	Optimizing genotyping effort in aquaculture breeding programs by pre-selection of candidates
Aquaculture (2)	4-jul	17:30	17:45		Gulzari, B.; Roozeboom, C.; Bastiaansen, J.W.M.; Mencarelli, A.; Komen, H.	Prediction of production traits by using body features of gilthead seabream (<i>Sparus aurata</i>) obtained from digital images
Aquaculture (2)	4-jul	17:45	18:00		Lillehammer, M.; Jones, D.B.; Strugnell, J.M.; Loughnan, S.; Robinson, N.A.; Jerry, D.R.; Harrison, P.J.; Massault, C.; Zenger, K.R.; Cate, H.S.	Comparison of genomic selection barramundi breeding schemes for multiple environments with strong GxE
Plenary 2	5-jul	8:30	9:30		Pemberton, J.M.	Genetics of quantitative traits in natural populations: lessons from long term studies of wild animals.
Methods and Tools: Genomic prediction (2)	5-jul	10:00	10:02	Pitch	Koivula, M.; Aamand, G.P.; Strandén, I.; Mäntysaari, E.A.	Nordic Holstein single-step test day model using metafounders and blending of foreign information
Methods and Tools: Genomic prediction (2)	5-jul	10:02	10:04	Pitch	Pimentel, E.C.G.; Emmerling, R.; Edel, C.; Götz, K.-U.	Effects of missing or wrong pedigree records on Single-Step predictions
Methods and Tools: Genomic prediction (2)	5-jul	10:04	10:06	Pitch	Osawa, T.; Masuda, Y.; Goto, Y.; Baba, T.; Kawahara, T.	An alternative method to consider a reference population in Single-Step SNP BLUP model without separating genomic terms
Methods and Tools: Genomic prediction (2)	5-jul	10:06	10:08	Pitch	Evans, R.D.; Berry, D.P.; Naderi, S.	Accuracy of pedigree and genomic predictions of meat quality in a multi-breed cattle using single and two step model
Methods and Tools: Genomic prediction (2)	5-jul	10:08	10:10	Pitch	Kudinov, A.A.; Strandén, I.; Mäntysaari, E.A.; Koivula, M.; Aamand, G.P.	Single-step genomic prediction in small breeds: Finncattle case.
Methods and Tools: Genomic prediction (2)	5-jul	10:10	10:12	Pitch	Wijnrocx, K.; DufRASne, M.; Mota, R.R.; Gengler, N.	Challenges to implement an interim genomic prediction for young animals in Wallonia, Belgium
Methods and Tools: Genomic prediction (2)	5-jul	10:12	10:14	Pitch	Maiwashe, A.	New insights into the computation of the inverse of the numerator relationship matrix for genotyped animals

Methods and Tools: Genomic prediction (2)	5-jul	10:14	10:16	Pitch	Li, Y.; Porto-Neto, L.R.; Smith, C.; McWilliam, S.; Lehnert, S.; McDonald, J.; McCulloch, R.; Reverter, A.; Alexandre, P.	GAPLS – A novel method to genomically rank bulls for daughter reproductive performance
Methods and Tools: Genomic prediction (2)	5-jul	10:16	10:18	Pitch	Angarita, B.K.; Cantet, R.J.C.; Steibel, J.P.; Forneris, N.S.	Performance of identity-by-state and identity-by-descent genomic models for meat traits in a cross-pig F2 population
Methods and Tools: Genomic prediction (2)	5-jul	10:18	10:20	Pitch	López-Correa, R.D.; Aguilar, I.; Legarra, A.	Modelling missing pedigree with metafounders and validating ssGBLUP evaluation for Uruguayan Holstein dairy cattle
Methods and Tools: Genomic prediction (2)	5-jul	10:20	10:22	Pitch	Taskinen, M.; Pitkänen, T.J.; Leino, A.-M.; Mäntysaari, E.A.	Estimating metafounder relations for Finnish multibreed beef population
Methods and Tools: Genomic prediction (2)	5-jul	10:22	10:24	Pitch	Liu, Z.; Masuda, Y.	A deregression method for a single-step SNP BLUP model using all genotype data
Methods and Tools: Genomic prediction (2)	5-jul	10:24	10:26	Pitch	Gurman, P.M.; Swan, A.A.; Van Der Werf, J.H.J.; Li, L.; Moghaddar, N.	Variance component estimation for single-step genomic BLUP for Australian terminal sire sheep
Methods and Tools: Genomic prediction (2)	5-jul	10:26	10:28	Pitch	Neshat, M.; Truong, B.; Lee, S.; Moksedul Momin, M.D.; Van Der Werf, J.H.J.; Lee, S.H.	finetuning hyperparameters increases the prediction accuracy in single-step genetic evaluation
Methods and Tools: Genomic prediction (2)	5-jul	10:30	10:45		Mota, R.R.; Vanraden, P.M.; Cesarani, A.	Comparison of single-step and multi-step evaluations for U.S. milk, fat, and protein
Methods and Tools: Genomic prediction (2)	5-jul	10:45	11:00		Harris, B.L.; Nilforooshan, M.A.; Sherlock, R.G.,	Large-scale multiple-trait single-step marker model implementation
Methods and Tools: Genomic prediction (2)	5-jul	11:00	11:15		Masuda, Y.; Sullivan, P.; Liu, Z.	An iterative method for deregressed proof in single-step genomic BLUP and its application to a dairy cattle population
Methods and Tools: Genomic prediction (2)	5-jul	11:15	11:30		Eding, H.	Efficient approximation of reliability for genomic breeding values in large systems
Methods and Tools: Genomic prediction (2)	5-jul	11:30	11:45		Ten Napel, J.; Calus, M.P.L.; Lidauer, M.; Vandenplas, J.; Strandén, I.; Veerkamp, R.F.	Evaluating the suitability of subjectively defined base populations
Methods and Tools: Genomic prediction (2)	5-jul	11:45	12:00		Christensen, O.F.; Legarra, A.	Maximum likelihood estimation of metafounder parameters for single and multiple breeds
Challenges – Understanding and utilizing genetic diversity (1)	5-jul	10:00	10:30		Varona, L.; Srihi, H.; Casellas, J.; Martínez, P.; López-Carbonell, D.; Altarriba, J.; Ramirez, M.; Hermida, M.	Genetic variability in the individual inbreeding load: genomic prediction for artificial purging
Challenges – Understanding and utilizing genetic diversity (1)	5-jul	10:30	10:45		Doekes, H.P.; Windig, J.J.; Bijma, P.	Inbreeding depression in livestock: comparing trait groups and inbreeding measures
Challenges – Understanding and utilizing genetic diversity (1)	5-jul	10:45	11:00		Baazaoui, I.; Mastrangelo, S.; Ciani, E.; Bedhiac-Romdhani, S.	Global and local genome ancestry reveals signal of Merinization in Noire de Thibar sheep
Challenges – Understanding and utilizing genetic diversity (1)	5-jul	11:00	11:15		Biscarini, F.; Cozzi, P.; Manunza, A.; Stella, A.	Common heterozygosity-rich regions (HRR) across the genomes of commercial and local goat breeds
Challenges – Understanding and utilizing genetic diversity (1)	5-jul	11:15	11:30		Li, C.H.A.O.	Markhor-derived introgression of PAPSS2 confers high-altitude adaptability in Tibetan goats

Challenges – Understanding and utilizing genetic diversity (1)	5-jul	11:30	11:45		Lozada-Soto, E.A.; Cole, J.B.; Maltecca, C.; Tiezzi, F.; Vanraden, P.M.	Patterns of inbreeding and selection using runs of homozygosity in North American dairy cattle
Challenges – Understanding and utilizing genetic diversity (1)	5-jul	11:45	12:00		Friedrich, J.; Talenti, A.; Prendergast, J.; Bailey, R.; Marshall, K.; Wiener, P.	Exploring genetic diversity and selection signatures in indigenous African cattle breeds
Society and gene editing and reproduction	5-jul	10:00	10:15		Reinoso-Peláez, E.L.; González, C.; Calvo, J.H.; Fernández, A.; González-Recio, O.; Serrano, M.; Saborío-Montero, A.; Saura, M.; Ramón, M.; López-García, A.	Effect of alternative synchronisation treatments on the vaginal microbiota of ewes and their impact on pregnancy rate
Society and gene editing and reproduction	5-jul	10:15	10:30		Lamy, J.; Fotinga-Meiring, F.; Woelders, H.; Zak, L.; De Wit, A.; Ellen, E.; Mullaart, E.; Knol, E.	Modelling of direct-transfer vitrification of bovine embryos
Society and gene editing and reproduction	5-jul	10:30	10:45		Demyda-Peyrás, S.; Antonini, A.; Molina, A.; Karlau, A.	Fertility analysis in stallions: a 35-year retrospective genetic study in the Argentinean Thoroughbred
Society and gene editing and reproduction	5-jul	10:45	10:47	Pitch	Gebreyesus, G.; Lund, M.S.; Ivask, M.; Secher, J.B.; Kupisiewicz, K.; Su, G.	Bull effects on in vitro embryo production quality traits are repeatable and heritable
Society and gene editing and reproduction	5-jul	10:47	10:49	Pitch	Palstra, A.P.; Heinsbroek, L.T.N.; Jehannet, P.; Swinkels, W.	Five years of optimizing the assisted reproduction protocol for European eel: What worked and what didn't?
Society and gene editing and reproduction	5-jul	10:49	10:51	Pitch	Ambike, V.B.; Karthickeyan, S.M.K.; Bhawe, K.G.; Venkataramanan, R.; Tirumurugaan, K.G.; Swaminathan, M.	Random regressions for modelling semen production traits in HF purebred and crossbred bulls using Bayesian framework
Society and gene editing and reproduction	5-jul	11:09	11:11	Pitch	Jehannet, P.; Brugman, S.; Bogerd, J.; De Wit, A.C.C.; Zhang, Y.; Palstra, A.P.	Removing the dopaminergic inhibition with CRISPR-Cas9 to study the progression of sexual maturation in zebrafish
Society and gene editing and reproduction	5-jul	11:11	11:13	Pitch	De Greef, K.H.; Bonekamp, G.; Van Der Sluis, M.	Societal aspects of animal breeding: a bibliometric analysis
Society and gene editing and reproduction	5-jul	11:13	11:15	Pitch	Van Eenennaam, A.L.; Mueller, M.L.	The need for harmonized, risk-based regulation of gene editing in livestock
Society and gene editing and reproduction	5-jul	11:15	11:30		Meijboom, F.L.B.; Kramer, K.; Bruce, D.M.; Bruce, A.	Broadening the debate on breeding innovations. On public engagement and the role of the Democs Game
Society and gene editing and reproduction	5-jul	11:30	11:45		Bidanel, J.P.; Journaux, L.; Sourdioux, M.; Delanoue, E.; Guemene, D.; Duclos, R.	Perceptions of genome editing in farm animals by livestock stakeholders
Society and gene editing and reproduction	5-jul	11:45	12:00		Mueller, M.L.; Owen, J.R.; Ross, P.J.; McNabb, B.R.; Hennig, S.L.; Van Eenennaam, A.L.	Production of a germline ablated bull using CRISPR/Cas9 to target NANOS3 in bovine zygotes
Free communications	5-jul	10:00	10:02	Pitch	Hulsegge, I.; Klandermans, G.G.J.; Schokker, D.; Kamphuis, C.	A data-architecture to monitor and collect cow-individual methane emissions real-time from commercial dairy farms
Free communications	5-jul	10:02	10:04	Pitch	Franzoni Migliorati, C.; Finocchiaro, R.; Marusi, M.; Van Kaam, J.B.C.H.M.; Lombardi, C.A.; Cassandro, M.	an ontology approach for the collection and management of genetic traits and milk protein data
Free communications	5-jul	10:04	10:06	Pitch	Rauw, W.M.; Torres, O.; Gil, M.G.; Gomez-Raya, L.	Genotyping errors in SNP markers: types, consequences, and a novel detection method
Free communications	5-jul	10:06	10:08	Pitch	Frąszczak, M.; Szyda, J.; Mielczarek, M.; Hofman, B.	LncRNAs variability in skeletal muscle of Polish Landrace boars
Free communications	5-jul	10:08	10:10	Pitch	Van Niekerk, M.; Van Wyk, J.B.; Naser, F.W.C.; Ducrocq, V.	Inclusion of average rainfall in genetic evaluation of SA Holsteins to mitigate genotype by environment interaction

Free communications	5-jul	10:10	10:12	Pitch	Flatres-Grall, F.G.	Development of an automatic method to estimate IMF for fattening pigs in breeding program
Free communications	5-jul	10:12	10:14	Pitch	Mamani, G.C.; Jarquín, D.; Santana, B.F.	Assessing genomic prediction of economic trait in alpacas: a simulation study
Free communications	5-jul	10:14	10:16	Pitch	Gómez, M.M.; Gombia, Y.; Biffani, S.; Cimmino, R.; Zullo, G.	Somatic cell count and its relationship with udder type traits in Italian Mediterranean Buffaloes (<i>Bubalus bubalis</i>)
Free communications	5-jul	10:30	10:45		David, I.; Ricard, A.; Larzul, C.	Estimating vertical path coefficients of transmission of non-genetic inherited effects from a similarity matrix
Free communications	5-jul	10:45	11:00		Waters, D.L.; Clark, S.A.; Van Der Werf, J.H.J.	Building on Falconer's work on environmental sensitivity and scale
Free communications	5-jul	11:00	11:15		Rohmer, T.; David, I.; Ricard, A.	Impact of a non-Gaussian dependence structure on REML estimation of the bivariate genetic animal model
Free communications	5-jul	11:15	11:30		Liu, T.; Christensen, O.F.; Su, G.; Nielsen, B.; Lund, M.S.	Impact of genotyping strategy on the accuracy of genomic prediction for survival in pigs
Free communications	5-jul	11:30	11:45		Bovenhuis, H.; Visker, M.H.P.W.; Visscher, J.; Berghof, T.V.L.; Parmentier, H.K.; Arts, J.A.J.; Van Der Poel, J.J.	Effect of a TLR1A polymorphism on natural antibodies in poultry
Free communications	5-jul	11:45	12:00		Gomez Raya, L.; Hess, A.; Rauw, W.M.	Geometry meets Genomics
Caprine/Ovine (1)	5-jul	10:00	10:02	Pitch	Jiménez, M.A.; Ramón, M.; González-Recio, O.; Serrano, M.	Genetic and Genomic approaches to ewe's artificial insemination success in the Spanish Assaf and Manchega sheep breeds
Caprine/Ovine (1)	5-jul	10:02	10:04	Pitch	O'Connor, E.; Dunne, E.; Boland, T.M.; McGovern, F.M.; Morrison, S.J.; McHugh, N.	The impact of sire on variation in methane production and dry matter intake in sheep
Caprine/Ovine (1)	5-jul	10:04	10:06	Pitch	Suárez-Vega, A.; Hervás, G.; Frutos, P.; Pelayo, R.; Gutiérrez-Gil, B.; Esteban-Blanco, C.; Marina, H.; Arranz, J.J.; Toral, P.G.	Milk transcriptome analysis to elucidate the impact of prepubertal nutrition in dairy ewes residual feed intake
Caprine/Ovine (1)	5-jul	10:06	10:08	Pitch	Becker, G.M.; Lewis, R.M.; Notter, D.R.; Morgan, J.L.M.; Burke, J.M.; Van Tassell, C.P.; Miller, J.E.; Murdoch, B.M.; Rosen, B.D.	Inbreeding and effective population size of United States Katahdin sheep
Caprine/Ovine (1)	5-jul	10:08	10:10	Pitch	Muhonja, C.H.R.I.S.T.I.N.E.; Wasike, C.B.; Ilatsia, E.D.; Waineina, R.W.; Ngeno, D.K.	Genetic diversity and population structure of dairy goat populations in Kenya
Caprine/Ovine (1)	5-jul	10:10	10:12	Pitch	Kominakis, A.; Hager, A.; Mastranestasis, I.; Tarsani, E.; Hadjigeorgiou, I.; Antonakos, G.; Gkelia, D.	Resolving the genetic structure of 18 Greek and neighbouring sheep populations
Caprine/Ovine (1)	5-jul	10:12	10:14	Pitch	Drouilhet, L.; Woloszyn, F.; Gille, A.; Gayraud, J.; Dugas, E.; Allain, D.; Frayssignes, J.; Plisson-Petit, F.; Larroque, H.; Brenot, S.; Duchêne, J.-C.	Genetic determinism of quality of lamb leather in Lacaune dairy sheep breed
Caprine/Ovine (1)	5-jul	10:14	10:16	Pitch	Gaspa, G.; Correddu, F.; Dimauro, C.; Cesarani, A.; MacCiotta, N.P.P.; Congiu, M.; Pauciullo, A.	Heritability and genomic analysis of coagulation event in sheep milk
Caprine/Ovine (1)	5-jul	10:16	10:18	Pitch	Robert-Granié, C.; Schenkel, F.; Larroque, H.; Bruni, G.; Brito, L.F.; Bapst, B.; Teissier, M.; Fresi, P.	Genetic parameters across European and North American Alpine goats for two milk production and one udder type traits
Caprine/Ovine (1)	5-jul	10:18	10:20	Pitch	Johansson, A.M.	Wool colour traits in Gotland sheep and association with a deletion in ASIP
Caprine/Ovine (1)	5-jul	10:30	11:00		Lambe, N.R.	Breeding initiatives around reduction of methane emissions in meat sheep – an international review

Caprine/Ovine (1)	5-jul	11:00	11:15		McGovern, F.M.; Farrell, L.; Wall, E.; O'Connor, E.; Dunne, E.; McHugh, N.	Measuring methane in sheep production systems – phenotypic factors affecting output
Caprine/Ovine (1)	5-jul	11:15	11:30		McHugh, N.; Berry, D.P.; McGovern, F.M.; Farrell, L.; O'Connor, E.; McDermott, K.; Dunne, E.; Rafter, P.	Genetics of methane emissions in a multi-breed sheep population
Caprine/Ovine (1)	5-jul	11:30	11:45		Farrell, L.J.; Pabiou, T.; McDermott, K.; McHugh, N.; Herron, J.; Bohan, A.; Shalloo, L.	Modelling of productivity, profitability, and greenhouse gas emissions of Irish sheep flocks divergent in genetic merit
Caprine/Ovine (1)	5-jul	11:45	12:00		Marina, H.; Pelayo, R.; Frutos, P.; Suárez-Vega, A.; Hervás, G.; Esteban-Blanco, C.; Toral, P.G.; Arranz, J.J.; Gutiérrez-Gil, B.	Using milk fatty acids as biomarkers to improve feed efficiency in dairy sheep
Lunch seminar:Genus	5-jul	12:00	13:30			
Methods and Tools: Genomic prediction (3)	5-jul	13:30	13:32	Pitch	Hollifield, M.K.; Lourenco, D.; Bermann, M.; Misztal, I.	Exploring the statistical nature of independent chromosome segments
Methods and Tools: Genomic prediction (3)	5-jul	13:32	13:34	Pitch	Eiríksson, J.H.; Christensen, O.F.; Su, G.	Including local genomic breed proportions in genomic predictions for crossbred
Methods and Tools: Genomic prediction (3)	5-jul	13:34	13:36	Pitch	Abdollahi Arpanahi, R.; Misztal, I.; Lourenco, D.	Investigating the impact of APY core size and definition in single-step GBLUP evaluations
Methods and Tools: Genomic prediction (3)	5-jul	13:36	13:38	Pitch	MacCiotta, N.P.P.; Lourenco, D.; Degano, L.; Dimauro, C.; Cesarani, A.; Vicario, D.	Strategies for choosing core animals in APY and their impact on the accuracy of single-step genomic predictions
Methods and Tools: Genomic prediction (3)	5-jul	13:38	13:40	Pitch	Reverter, A.; Li, Y.; Duff, C.J.; Alexandre, P.A.; Porto-Neto, L.R.; Hine, B.C.; Ingham, A.B.	Genomic prediction accuracy: How low can we go?
Methods and Tools: Genomic prediction (3)	5-jul	13:40	13:42	Pitch	Negussie, E.; Meseret, S.; Mrode, R.; Hassen, A.; Tessema, E.; Lidauer, M.H.; Mwai, O.A.; Negera, T.; Tera, A.; Gebreyohanes, G.; Jufar, B.	Genomic prediction in smallholder tropical dairy herds: Modelling milk yield in first and later lactations
Methods and Tools: Genomic prediction (3)	5-jul	13:42	13:44	Pitch	Vargas Jurado, N.; Kuehn, L.A.; Keele, J.W.; Lewis, R.M.	Genomic prediction of wool shedding in a composite sheep flock using pooled allele frequencies and individual genotypes
Methods and Tools: Genomic prediction (3)	5-jul	13:45	14:00		Pocrnic, I.; Tolhurst, D.; Gorjanc, G.; Lindgren, F.; Herring, W.O.	Optimal core definitions for the APY model with an example in large-scale pig dataset
Methods and Tools: Genomic prediction (3)	5-jul	14:00	14:15		Garcia, A.; Tsuruta, S.; Misztal, I.; Miller, S.; Retallick, K.; Lourenco, D.; Lu, D.	Updating the core animals in the algorithm for proven and young in the American Angus Association national evaluations
Methods and Tools: Genomic prediction (3)	5-jul	14:15	14:30		Edel, C.; Emmerling, R.; Pimentel, E.C.G.; Götz, K.-U.	A critical aspect when using APY inversion with Single-Step GBLUP
Methods and Tools: Genomic prediction (3)	5-jul	14:30	14:45		Cuyabano, B.C.D.; Gondro, C.; Boichard, D.	Measures to quantify the accuracy and the erosion of genomic predicted breeding values
Methods and Tools: Genomic prediction (3)	5-jul	14:45	15:00		Jenko, J.; Nordbø, Ø.	Model building pipeline to maximize the accuracy of breeding values prediction
Methods and Tools: Genomic prediction (3)	5-jul	15:00	15:15		Guillenea, A.; Evans, R.; Lund, M.S.; Karaman, E.	Genomic prediction in multi-breed Irish beef cattle population using a breed origin of alleles model
Methods and Tools: Genomic prediction (3)	5-jul	15:15	15:30		Clasen, J.B.; Su, G.; Fikse, W.F.; Karaman, E.	Breed-origin-of-alleles approach using summary statistics for multi-breed genomic prediction in dairy cattle
Challenges – Understanding and utilizing genetic diversity (2)	5-jul	13:30	13:32	Pitch	Gengler, N.; Vanderick, S.; Wilmot, H.; Atashi, H.	Understanding and utilizing genetic diversity in Dual-Purpose Blue: genome-wide association for type traits

Challenges – Understanding and utilizing genetic diversity (2)	5-jul	13:32	13:34	Pitch	Vanvanhossou, S.F.U.; Giambra, I.J.; Dossa, L.H.; Yin, T.; Bruegemann, K.; Koenig, S.	Genetic background of productive and adaptive features in the West African indigenous cattle breeds in Benin
Challenges – Understanding and utilizing genetic diversity (2)	5-jul	13:34	13:36	Pitch	Pogorevc, N.; Khayatzadeh, N.; Dovč, P.; Berger, B.; Simčič, M.; Horvat, S.; Zorc, M.; Sölkner, J.; Medugorac, I.; Bojkovski, D.	Genetic diversity and population structure of Slovenian local breed Drežnica goat
Challenges – Understanding and utilizing genetic diversity (2)	5-jul	13:36	13:38	Pitch	Hay, E.A.; Roberts, A.J.; Kuehn, L.A.; Toghiani, S.; Paim, T.; Blackburn, H.D.	Genetic architecture of a composite beef cattle population
Challenges – Understanding and utilizing genetic diversity (2)	5-jul	13:38	13:40	Pitch	Brekke, C.; Gjuvslund, A.B.; Johnston, S.E.; Berg, P.	Variation in patterns of recombination result in genetic variation in intrachromosomal shuffling in the domestic pig
Challenges – Understanding and utilizing genetic diversity (2)	5-jul	13:40	13:42	Pitch	Silva, J.A.I.I.V.; Schettini, G.P.; Ortiz, E.G.; Vallejo, V.H.; Toro-Ospina, A.M.	Identification of runs of homozygosity islands and functional analysis for Caqueteño Creole cattle
Challenges – Understanding and utilizing genetic diversity (2)	5-jul	13:42	13:44	Pitch	Do, D.N.; Hu, G.; Karimi, K.; Miar, Y.	Candidate genes related to signatures of selection for body weight and harvest length in American mink
Challenges – Understanding and utilizing genetic diversity (2)	5-jul	13:45	14:00		Morales-González, E.; Toro, M.Á.; Villanueva, B.; Fernández, J.	Maintenance of genetic diversity in subdivided populations using different genomic coancestry matrices
Challenges – Understanding and utilizing genetic diversity (2)	5-jul	14:00	14:15		Gorjanc, G.; Schenkel, F.S.; Spehar, M.; Baes, C.F.; De Oliveira Junior, G.A.	Long-term changes in genetic mean and genic variance and underlying allele frequencies in breeding programmes
Challenges – Understanding and utilizing genetic diversity (2)	5-jul	14:15	14:30		Wientjes, Y.C.J.; Van Den Heuvel, J.; Vitezica, Z.G.; Bijma, P.; Zwaan, B.J.; Calus, M.P.L.	The long-term effects of genomic selection: allele frequency changes and fixation of loci
Challenges – Understanding and utilizing genetic diversity (2)	5-jul	14:30	14:45		Johnsson, M.; Klingström, T.; Johansson, A.M.; Rius-Vilarrasa, E.	The effect of recombination rate on genomic selection in simulation
Challenges – Understanding and utilizing genetic diversity (2)	5-jul	14:45	15:00		Oget-Ebrad, C.; Karim, L.; Charlier, C.; Moreira, G.C.M.; Druet, T.; Coppieters, W.; Georges, M.	Fine-scale study of meiotic recombination in cattle
Challenges – Understanding and utilizing genetic diversity (2)	5-jul	15:00	15:15		Servin, B.; Hazard, D.; Faraut, T.; Id Bella, M.; Tortereau, F.; Vassilief, H.; Johnston, S.E.	Sex differences in recombination maps are associated with differential hotspot usage in sheep
Challenges – Understanding and utilizing genetic diversity (2)	5-jul	15:15	15:30		Wilmot, H.; Hubin, X.; Glorieux, G.; Gengler, N.	Is it possible to differentiate meat products of a local breed from those of its sister breed based on genotypes?
Novel traits: Health and well-being (1)	5-jul	13:30	13:32	Pitch	Bierman, C.D.; Dekkers, J.C.M.; Kemp, R.A.	Resilience indicators based on individual feed intake from a high-health swine nucleus
Novel traits: Health and well-being (1)	5-jul	13:32	13:34	Pitch	Bonekamp, G.; Ten Napel, J.; De Haas, Y.; Poppe, M.; Kamphuis, C.; Adriaens, I.	Comparison of milk yield based resilience indicators across dairy cattle breeds

Novel traits: Health and well-being (1)	5-jul	13:34	13:36	Pitch	Aguerre, S.; Mattalia, S.; Vinet, A.	Genotype-by-environment interactions for health traits across productivity level or health status of herds in Normande
Novel traits: Health and well-being (1)	5-jul	13:36	13:38	Pitch	Matika, O.; Githaka, N.; Birkett, M.; Brown, H.; Foster, S.; Djikeng, A.; Mwendia, C.; Watson, K.	In search of a new tool for phenotyping tick resistance in cattle
Novel traits: Health and well-being (1)	5-jul	13:38	13:40	Pitch	Zavadilová, L.; Krupová, Z.; Kašná, E.	Lameness in Genomic Evaluation for Foot and Claw disorders in Czech Holstein cows
Novel traits: Health and well-being (1)	5-jul	13:40	13:42	Pitch	Costa, A.; Egger-Danner, C.; Penasa, M.; Bovenhuis, H.; Fuerst-Waltl, B.	The lasting effect of udder inflammation on milk lactose content in dairy cows
Novel traits: Health and well-being (1)	5-jul	13:42	13:44	Pitch	Gloria, L.S.; Pedrosa, V.B.; Montes Gonzalez, M.E.; Boerman, J.P.; Brito, L.F.; Chen, S.Y.; Doucette, J.S.	Estimation of genetic parameters for milk-related traits derived from automatic milking systems in Holstein cattle
Novel traits: Health and well-being (1)	5-jul	13:44	13:46	Pitch	Fresco, S.; Jouneau, L.; Pezier, T.; Ferret, C.; Boichard, D.; Vinet, A.; Boussaha, M.; Pietralunga, V.; Laurent, F.; Descamps, D.; Denizot, V.; Taussat, S.; Lacroix-Lamandé, S.; Martin, P.; Chottin, C.; Riffault, S.; Lefebvre, R.; Barbey, S.	Identification of genome regions and promising candidate genes linked to innate immune capacity on young Holstein calves
Novel traits: Health and well-being (1)	5-jul	13:46	13:48	Pitch	Kreuzer-Redmer, S.; Johanns, S.; Reisinger, N.; Rivera-Chacon, R.; Pacifico, C.; Castillo-Lopez, E.; Ricci, S.; Ojo, O.E.; Zebeli, Q.; Sener-Aydemir, A.	Assessment of miRNAs in plasma and leucocytes as potential biomarkers for rumen health in cows fed forage and high-grain
Novel traits: Health and well-being (1)	5-jul	13:48	13:50	Pitch	Lakamp, A.D.; Hille, M.M.; Fernando, S.C.; Neujahr, A.C.; Loy, J.D.; Spangler, M.L.	Variance Component Estimation of Longitudinal Alpha Diversity Metrics of the Ocular Microbiome in Prewaned Beef Cattle
Novel traits: Health and well-being (1)	5-jul	13:50	13:52	Pitch	Nesengani, L.T.; Bester-Van Der Merwe, A.; Mapholi, N.O.; Wragg, D.; Dube, B.; Dzama, K.; Letuka, M.; Matika, O.	Gene expression patterns observed from the skin of selected cattle breeds infested with <i>Amblyomma hebraeum</i> ticks
Novel traits: Health and well-being (1)	5-jul	13:52	13:54	Pitch	Lecoeur, A.; Gourichon, D.; Burlot, T.; Blanc, F.; Pinard-Van Der Laan, M.H.; Bruneau, N.; Calenge, F.	Combined effect of genetics and gut microbiota on variations in vaccine response in hens.
Novel traits: Health and well-being (1)	5-jul	14:00	14:15		Poppe, M.; Hogeveen, H.; Veerkamp, R.F.; Bonekamp, G.; Mulder, H.A.; Mullaart, E.; Kamphuis, C.; Van Pelt, M.L.	Resilience indicators based on daily milk yield data for genetic selection in dairy cattle
Novel traits: Health and well-being (1)	5-jul	14:15	14:30		Finocchiaro, R.; Van Kaam, J.B.C.H.M.; Cassandro, M.; Galluzzo, F.; Marusi, M.	Genetic evaluation of heat tolerance in Italian Holstein breed
Novel traits: Health and well-being (1)	5-jul	14:30	14:45		Yin, T.; Vanvanhossou, S.F.; König, S.; Halli, K.; Bohlouli, M.	Inferring genetic parameters for prenatal heat stress effects on calf diseases and cow productivity
Novel traits: Health and well-being (1)	5-jul	14:45	15:00		Lynch, C.; Houlahan, K.; Miglior, F.; Schenkel, F.S.; Van Staaveren, N.; Baes, C.F.	A genetic evaluation for calf health: preliminary analysis
Novel traits: Health and well-being (1)	5-jul	15:00	15:15		Leclerc, H.; Vallée, R.; Manciaux, L.; Barbat-Leterrier, A.; Philippe, M.; Guillaume, F.; Davière, J.-B.	Development of a Single Step Genomic Evaluation of health traits and relationships with dairy traits in French Holsteins
Novel traits: Health and well-being (1)	5-jul	15:15	15:30		Köck, A.; Werner, A.; Auer, F.J.; Dale, L.M.; Mayerhofer, M.; Egger-Danner, C.	Genetic selection for reduced susceptibility to subclinical ketosis using mid-infrared predicted traits
Epigenetics, structural variants and exploiting transcriptome (1)	5-jul	13:30	13:32	Pitch	Da Silva, V.H.; Morosini, N.S.; Neto, A.Z.; Cesar, A.S.M.; Afonso, J.; Coutinho, L.L.; Mourão, G.B.; Da Veiga, F.C.; Regitano, L.C.A.; Silva-Vignato, B.	A functional copy number gain at indicine cattle footprint modulates actin-myosin and immune response genes in muscle
Epigenetics, structural variants and exploiting transcriptome (1)	5-jul	13:32	13:34	Pitch	Asselstine, V.; Stothard, P.; Cánovas, A.; Karrow, N.A.; Medrano, J.F.; Schenkel, F.S.; Miglior, F.; Baes, C.F.	Functional SNPs and INDELS within regulatory elements associated with mastitis in Holstein cow using -OMICs technologies

Epigenetics, structural variants and exploiting transcriptome (1)	5-jul	13:34	13:36	Pitch	De Vos, J.; Derks, M.F.L.; Groenen, M.A.M.; Crooijmans, R.P.M.A.; Kloet, S.L.; Madsen, O.	Allele specific expression as an indication of ploidy in pig IPECJ2 and chicken SL-29 cell lines
Epigenetics, structural variants and exploiting transcriptome (1)	5-jul	13:36	13:38	Pitch	Cai, Z.; Sahana, G.	Segregation of the structural variant responds for mastitis resistance in re-sequencing Nordic Holstein animals
Epigenetics, structural variants and exploiting transcriptome (1)	5-jul	13:38	13:40	Pitch	Lee, Y.L.; Coppieters, W.; Charlier, C.; Groenen, M.A.M.; Karim, L.; Bosse, M.; Bouwman, A.C.; Druet, T.; Veerkamp, R.K.; Georges, M.; Oget-Ebrad, C.	Rare CNVs in the bovine genome are not captured well by 50K density genotyping array SNPs
Epigenetics, structural variants and exploiting transcriptome (1)	5-jul	13:40	13:42	Pitch	Hosseini, S.; Hirschfeld, M.; Tetens, J.; Trakooljul, N.; Brenig, B.; Wimmers, K.; Sharifi, A.R.	Genome-wide DNA Methylation of Gonad in Sex-biased Zebrafish Families
Epigenetics, structural variants and exploiting transcriptome (1)	5-jul	13:45	14:00		López-Catalina, A.; Gutiérrez-Rivas, M.; González-Recio, Ó.; Bach, A.; Ramón Peiró-Pastor, R.	An approach to study the association between the blood cell methylome with feed efficiency traits
Epigenetics, structural variants and exploiting transcriptome (1)	5-jul	14:00	14:15		Moreira, G.C.M.; Becker, D.; Kühn, C.; Clark, R.; Dupont, S.; Plastow, G.; Salavati, M.; Charlier, C.; Clark, E.L.	Multi-dimensional functional annotation of bovine genome for the BovReg project
Epigenetics, structural variants and exploiting transcriptome (1)	5-jul	14:15	14:30		Baudement, M.-O.; Podgorniak, T.; Lien, S.; Gillard, G.B.; Grønvold, L.; Kent, M.P.	European project AQUA-FAANG: the epigenetic landscape of the Atlantic Salmon; focus on liver tissue
Epigenetics, structural variants and exploiting transcriptome (1)	5-jul	14:30	14:45		Wang, M.Q.	Integration of methylome and transcriptome profiles reveals candidate biomarkers for S.uberis-subclinical mastitis
Epigenetics, structural variants and exploiting transcriptome (1)	5-jul	14:45	15:00		Mapel, X.M.; Lloret-Villas, A.; Hiltbold, M.; Pausch, H.	eQTL mapping in Brown Swiss bulls to identify variants associated with male fertility
Epigenetics, structural variants and exploiting transcriptome (1)	5-jul	15:00	15:15		Chitneedi, P.K.; Kuehn, C.; Hadlich, F.	Bioinformatics workflow for the detection of eQTL in the cattle genome using Nextflow DSL2
Epigenetics, structural variants and exploiting transcriptome (1)	5-jul	15:15	15:30		Watson, M.; Lakhal, W.; Kuo, R.; Foissac, S.; Sokolov, A.; Archibald, A.L.; Madsen, O.; Harrison, P.W.; Guyomar, C.; Giuffra, E.; Djebali, S.; Smith, J.; Martin, F.; Kurylo, C.; Acloque, H.; Guizard, S.; De Vos, J.; Davey, M.; Miedzinska, K.	Extensive functional genomics information from early developmental time points for pig and chicken
Caprine/Ovine (2)	5-jul	13:30	13:32	Pitch	Astruc, J.M.; Legarra, A.; Lagriffoul, G.; Buisson, D.	Six years of genomic selection have increased the genetic gain in French dairy sheep
Caprine/Ovine (2)	5-jul	13:32	13:34	Pitch	McMillan, A.J.; Burke, J.M.; Lewis, R.M.; Brown, D.J.; Morgan, J.L.	Cross-validation of single-step genetic evaluation in U.S. Katahdin sheep
Caprine/Ovine (2)	5-jul	13:34	13:36	Pitch	Spehar, M.; Poslon, V.; Ramljak, J.; Kasap, A.	Partitioning of genetic trends by flock and gender in Istrian sheep breed
Caprine/Ovine (2)	5-jul	13:36	13:38	Pitch	Carta, A.; Casu, S.; Usai, M.G.; Salaris, S.	Comparison of GEBV accuracies predicted using the pedigree matrix of female and male potential reference populations

Caprine/Ovine (2)	5-jul	13:38	13:40	Pitch	Olivier, W.J.	Quantification of the effect of incomplete reproduction data on the accuracy of selection
Caprine/Ovine (2)	5-jul	13:40	13:42	Pitch	Mutch, E.; Coffey, M.; Mrode, R.; Simm, G.	Using Random Regression Models to Model Growth in Sheep with Irregular Data
Caprine/Ovine (2)	5-jul	13:42	13:44	Pitch	Paneru, U.; Moghaddar, N.; Brown, D.J.; Van Der Werf, J.H.J.	Impact of the order of polynomials in random regression model on the accuracy of genetic evaluation for weight traits
Caprine/Ovine (2)	5-jul	13:44	13:46	Pitch	Kasap, A.; Špehar, M.; Ramljak, J.	Estimation of linkage disequilibrium in Pag and Istrian sheep breed: towards genomic optimum contribution selection
Caprine/Ovine (2)	5-jul	13:46	13:48	Pitch	Massender, E.; Brito, L.F.; Schenkel, F.S.; Jafarikia, M.; Oliveira, H.R.; Sullivan, B.; Maignel, L.; Baes, C.F.	Genome-wide association study for milk composition traits of Canadian Alpine and Saanen goats
Caprine/Ovine (2)	5-jul	14:00	14:15		Lewis, R.M.; Brown, D.J.; Taylor, J.B.; Vargas Jurado, N.; Notter, D.R.	Evaluating performance of Suffolk, Columbia, and crossbred lambs at birth and weaning
Caprine/Ovine (2)	5-jul	14:15	14:30		Guy, S.Z.Y.; Pannier, L.; Brown, D.J.; Mortimer, S.I.; Swan, A.A.; McGilchrist, P.; Pethick, D.	Genetic selection for sensory eating quality of lamb using consumer assessments
Caprine/Ovine (2)	5-jul	14:30	14:45		Teissier, M.; Schenkel, F.; Larroque, H.; Fresi, P.; Brito, L.F.; Robert-Granié, C.; Bruni, G.; Bapst, B.	Genetic characterization and connectedness of dairy goats in Canada, France, Italy and Switzerland
Caprine/Ovine (2)	5-jul	14:45	15:00		Alexandri, P.; Swan, A.A.; Brown, D.J.; Walkom, S.F.; Van Der Werf, J.H.J.	Value of data from ram breeding flocks as an industry reference population for Australian sheep
Caprine/Ovine (2)	5-jul	15:00	15:15		Rahmatalla, S.A.; Tarekegn, G.M.; Brockmann, G.A.; Arends, D.; Onzima, R.	Pairwise principal component analysis of African goat breeds identifies loci involved in meat and/or milk production
Caprine/Ovine (2)	5-jul	15:15	15:30		Pabiou, T.; Bohan, A.; Mc Hugh, N.; McDermott, K.; Farrell, L.J.	Linking genetic merit to phenotypes: a validation of the Terminal and Replacement Irish sheep breeding objectives
Methods and Tools: Software and Computing Strategies (1)	5-jul	16:00	16:02	Pitch	Chen, L.; Plastow, G.	Subsetted orthogonal data augmentation for fast parallel implementation of Bayesian models for whole-genome analyses
Methods and Tools: Software and Computing Strategies (1)	5-jul	16:02	16:04	Pitch	Yu, X.-J.; Meuwissen, T.H.E.; Dagnachew, B.S.	A simulator to evaluate gene editing assisted selection programs
Methods and Tools: Software and Computing Strategies (1)	5-jul	16:04	16:06	Pitch	Reecy, J.M.; Park, C.A.; Hu, Z.-L.	A database structural improvement for efficient trait variation curation in Animal QTLdb and CorrDB
Methods and Tools: Software and Computing Strategies (1)	5-jul	16:06	16:08	Pitch	Ferdosi, M.H.; Khansefid, M.; Masoodi, S.	Efficient algorithms to identify duplicated genotypes in large datasets
Methods and Tools: Software and Computing Strategies (1)	5-jul	16:08	16:10	Pitch	Hindle, M.M.; Kranis, A.	Genotype error correction and the accurate identification of recombination sites
Methods and Tools: Software and Computing Strategies (1)	5-jul	16:10	16:12	Pitch	Dahl, M.; Christensen, O.F.	A phasing algorithm targeted at dairy cattle populations having genotyped ancestors with many genotyped offspring

Methods and Tools: Software and Computing Strategies (1)	5-jul	16:15	16:45		Vanraden, P.M.; Al-Khudhair, A.S.; Null, D.J.	Recent advances and future needs in genotype imputation
Methods and Tools: Software and Computing Strategies (1)	5-jul	16:45	17:00		Pook, T.; Geibel, J.	Imputation of low coverage sequence data by utilization of pre-phased reads and HBimpute
Methods and Tools: Software and Computing Strategies (1)	5-jul	17:00	17:15		Milkevych, V.; Sahana, G.; Cai, Z.; Karaman, E.; Janss, L.; Lund, M.S.	Quantitative trait simulation using MeSCoT software
Methods and Tools: Software and Computing Strategies (1)	5-jul	17:15	17:30		Pooley, C.M.; Doeschl-Wilson, A.; Marion, G.	SIRE 2.0: A novel software tool to estimate host genetic variation in infectious disease transmission
Methods and Tools: Software and Computing Strategies (1)	5-jul	17:30	17:45		Jung, H.; Hayes, B.; Jeon, B.; Ross, E.	iVPSV: An intuitive visualisation platform for structural variation data
Methods and Tools: Software and Computing Strategies (1)	5-jul	17:45	18:00		Cheng, J.; Fernando, R.; Ma, L.; Cheng, H.; Jiang, J.; Maltecca, C.; Dekkers, J.	A variational Bayes method for genomic prediction increases accuracy and computing speed
Young scientist career development (with drinks EFFAB/FABRE-TP till 19.00)	5-jul	16:00	16:15		Van Eenennaam, A.L.; Hermes, S.	History and author analysis of the World Congresses on Genetics Applied to Livestock Production
Young scientist career development (with drinks EFFAB/FABRE-TP till 19.00)	5-jul	16:15	16:30		Byrne, T.J.; Amer, P.R.; Fennessy, P.F.	What industry needs from an Animal Breeding Graduate
Young scientist career development (with drinks EFFAB/FABRE-TP till 19.00)	5-jul	16:30	17:30		Newton, J.E.; Biaty, R.; Gòdia, M.; Toledo-Alvarado, M.H.O.	Young scientist career development: A global discussion on challenges, opportunities and solutions
Young scientist career development (with drinks EFFAB/FABRE-TP till 19.00)	5-jul	17:30	18:30		Granados Chapatte, A.	Young scientist career development (with EFFAB/FABRE-TP till 19.30)
Novel traits: Health and well-being (2)	5-jul	16:00	16:02	Pitch	Moser, G.; Kelly, M.J.	Heritability of scurs in Wagyu and tropically adapted composite beef cattle
Novel traits: Health and well-being (2)	5-jul	16:02	16:04	Pitch	Mercadante, M.E.Z.; De Sousa, K.T.; Bonilha, S.F.M.; Deniz, M.; Dias, L.T.; Canesin, R.C.; Valente, J.P.S.	Genetic parameters for social hierarchy of Nellore cattle using data from electronic feeding system
Novel traits: Health and well-being (2)	5-jul	16:04	16:06	Pitch	Gorssen, W.; Janssens, S.; Meyermans, R.; Buys, N.	Pigs' weighing order stability is favourably linked with tail biting and production: a new proxy for social structure?
Novel traits: Health and well-being (2)	5-jul	16:06	16:08	Pitch	Keshavarzi, H.; Lee, C.; Campbell, D.L.M.	Application of machine learning algorithms to develop behavioural and stress phenotypes for sheep

Novel traits: Health and well-being (2)	5-jul	16:08	16:10	Pitch	Rönnegård, L.; Fikse, W.F.; Hansson, I.	Heritability of social interactions in dairy cattle
Novel traits: Health and well-being (2)	5-jul	16:10	16:12	Pitch	Fikse, W.F.; Rönnegård, L.; Hansson, I.	Uncertainty about the social network among dairy cows impairs estimation of indirect genetic effects
Novel traits: Health and well-being (2)	5-jul	16:12	16:14	Pitch	Buitenhuis, A.J.; Løvendahl, P.	Genetic and phenotypic variation and consistency of cow's preference and circadian use of robotic milking units
Novel traits: Health and well-being (2)	5-jul	16:14	16:16	Pitch	Mkhize, N.E.; Dube, B.; Matika, O.; Mapholi, N.O.; Madilindi, M.A.; Banga, C.B.	Genetic and environmental influences on maternal calving difficulty in South African Holstein cattle
Novel traits: Health and well-being (2)	5-jul	16:16	16:18	Pitch	Galluzzo, F.; Finocchiaro, R.; Marusi, M.; Van Kaam, J.B.C.H.M.; Ferrari, V.; Cassandro, M.	Genetic evaluation of gestation length in Italian Holstein breed
Novel traits: Health and well-being (2)	5-jul	16:18	16:20	Pitch	Kašná, E.; Krupová, Z.; Zavadilová, L.	Genetic evaluation of cystic ovarian disease in Czech Holstein cattle
Novel traits: Health and well-being (2)	5-jul	16:20	16:22	Pitch	Van Der Sluis, M.; Rodenburg, T.B.; De Klerk, B.; Asher, L.; De Haas, Y.; Ellen, E.D.	Entropy of broiler activity: individual variation and consistency
Novel traits: Health and well-being (2)	5-jul	16:30	16:45		Bécot, L.; Burlot, T.; Bédère, N.; Le Roy, P.	Laying hens tweet. They also lead and follow! Implications for genetic selection against gregarious nesting
Novel traits: Health and well-being (2)	5-jul	16:45	17:00		Wang, Z.; Bijma, P.; Doekes, H.P.	Analysis of social behaviors in large groups: simulation and genetic evaluation
Novel traits: Health and well-being (2)	5-jul	17:00	17:15		Hazard, D.; Douls, S.; Allain, C.; Bonnafé, G.; Delval, E.; Boissy, A.; Marcon, D.; Durand, C.; Parisot, S.; Foulquié, D.	Divergent genetic selections for social attractiveness or tolerance toward humans in sheep
Novel traits: Health and well-being (2)	5-jul	17:15	17:30		Agha, S.; Roehe, R.; Doeschl-Wilson, A.; Foister, S.; Turner, S.P.	Genetic parameters of novel behaviour traits derived from social network analysis in pigs
Novel traits: Health and well-being (2)	5-jul	17:30	17:45		Wen, H.; Freitas, P.; Schinckel, A.; Byrd, M.; Johnson, J.; Huang, Y.; Maskal, J.; Brito, L.; Tiezzi, F.	genetic parameter estimation of various body temperature and respiration rate in maternal-line pigs under heat stress
Novel traits: Health and well-being (2)	5-jul	17:45	18:00		Canario, L.; Hébrard, W.; Billon, Y.; Demars, J.	Genetics of body weight and length of Large White piglets and relationship to maternal performance
Epigenetics, structural variants and exploiting transcriptome (2)	5-jul	16:00	16:02	Pitch	Caulton, A.; McRae, K.M.; Horvath, S.; Dodds, K.G.; Couldrey, C.; Clarke, S.M.	Demonstrating the use of a mammalian methylation microarray for epigenome wide association studies in livestock
Epigenetics, structural variants and exploiting transcriptome (2)	5-jul	16:02	16:04	Pitch	Prowse-Wilkins, C.; Xiang, R.; Littlejohn, M.; Lopdell, T.; Goddard, M.; Vander Jagt, C.; Chamberlain, A.	Regulatory QTL and exon expression QTL in the mammary gland of dairy cows
Epigenetics, structural variants and exploiting transcriptome (2)	5-jul	16:04	16:06	Pitch	Afonso, J.A.	H3K27me3 predicted regulation of gene expression linked to calcium quantification in Nelore muscle
Epigenetics, structural variants and exploiting transcriptome (2)	5-jul	16:06	16:08	Pitch	Salavati, M.; Becker, D.; Clark, E.L.; Plastow, G.; Clark, R.; Charlier, C.; Kühn, C.; Moreira, G.C.M.	Comparative analysis of CAGE-Seq across tissues reveals transcription start sites unique to cattle
Epigenetics, structural variants and exploiting transcriptome (2)	5-jul	16:08	16:10	Pitch	Dai, X.; Griffiths, B.E.; Psifidi, A.; Werling, D.; Barden, M.; Xai, D.; Banos, G.; Coffey, M.; Anagnostopoulos, A.; Oikonomou, G.; Li, B.	Transcriptomic characterisation of claw horn disruption lesions in the peripheral blood leucocytes of dairy cattle

Epigenetics, structural variants and exploiting transcriptome (2)	5-jul	16:10	16:12	Pitch	Parra-Bracamonte, G.M.; Lara-Rivera, A.L.; Arellano-Vera, W.; Ramírez-Valverde, R.; Vazquez-Armijo, J.F.; Martínez-Gonzalez, J.C.; Sifuentes-Rincon, A.M.; Gomez-Guzman, J.A.; Nuñez-Dominguez, R.	Evidences of INFt and ISG gene expression in leukocytes of pregnant hair sheep ewes from a thermal stress experiment.
Epigenetics, structural variants and exploiting transcriptome (2)	5-jul	16:12	16:14	Pitch	Mantilla Valdivieso, E.; Ross, E.; Tabor, A.; Hayes, B.; Nguyen, L.; Jonsson, N.; Raza, A.; James, P.	Identification of differentially expressed transcription factors in Brangus skin infested with <i>Rhipicephalus australis</i>
Epigenetics, structural variants and exploiting transcriptome (2)	5-jul	16:15	16:30		Gòdia, M.; Harlizius, B.; Groenen, M.A.M.; Derks, M.F.L.; Madsen, O.	Unravelling regulatory variants affecting gene expression in four porcine tissues
Epigenetics, structural variants and exploiting transcriptome (2)	5-jul	16:30	16:45		Woolley, S.A.; Clark, E.L.; Salavati, M.	Unravelling the transcriptomic control of growth traits in sheep during prenatal and postnatal development
Epigenetics, structural variants and exploiting transcriptome (2)	5-jul	16:45	17:00		Kramer, L.M.; Lim, K.S.; Tuggle, C.K.; Zhang, Z.; Yin, H.; Teng, J.; Plastow, G.S.; Liu, G.E.; Gao, Y.; Dekkers, J.C.M.; Fang, L.; Bai, L.	Large-scale cis-eQTL analysis of gene expression in blood of young healthy pigs using PigGTEX
Epigenetics, structural variants and exploiting transcriptome (2)	5-jul	17:00	17:15		Geibel, J.; Weigend, A.; De Koning, D.-J.; Schauer, J.; Weigend, S.; Reimer, C.; Simianer, H.	Unravelling the structural variability in chicken genomes by long-read sequencing
Epigenetics, structural variants and exploiting transcriptome (2)	5-jul	17:15	17:30		Steensma, M.; Bouwman, A.C.; Mulder, H.A.; Huisman, A.E.; Derks, M.F.L.; Lee, Y.L.; Groenen, M.A.M.; Harlizius, B.; Pita Barros, C.; Rochus, C.M.; Crooijmans, R.P.M.A.; Bink, M.C.A.M.	Detection and characterisation of de novo structural variants in pigs
Epigenetics, structural variants and exploiting transcriptome (2)	5-jul	17:30	17:45		Jourdain, J.; Barasc, H.; Capitan, A.; Hozé, C.; Pinton, A.; Boichard, D.; Barbat, A.; Philippe, M.	Efficient detection of interchromosomal rearrangements in Holstein bulls using large SNP datasets
Epigenetics, structural variants and exploiting transcriptome (2)	5-jul	17:45	18:00		Derks, M.F.L.; Harlizius, B.; Groenen, M.A.M.; Lopes, M.S.; Boshove, A.; Knol, E.; Sell-Kubiak, E.; Gjuvslund, A.B.; Grindflek, E.	A pan-genome of commercial pig breeds
Caprine/Ovine (3)	5-jul	16:00	16:02	Pitch	Gutierrez-Gil, B.; Suarez-Vega, A.; Foucras, G.; Marina, H.; Esteban-Blanco, C.; Pelayo, R.; Arranz, J.J.	Influence of a nutritional restriction in dairy ewe lambs on the response to a later inflammatory intramammary challenge
Caprine/Ovine (3)	5-jul	16:02	16:04	Pitch	Buitkamp, J.; Semmer, J.	Effects of breeding for scrapie resistance in Bavarian sheep breeding populations
Caprine/Ovine (3)	5-jul	16:04	16:06	Pitch	Salaris, S.; Usai, M.G.; Carta, A.; Casu, S.; Scala, A.	Options for the selective breeding for resistance to gastrointestinal nematodes of Sarda breed sheep
Caprine/Ovine (3)	5-jul	16:06	16:08	Pitch	Reding, J.J.; Mostert, B.E.	Investigation of the Scrapie haplotypes in the South African Merino population
Caprine/Ovine (3)	5-jul	16:08	16:10	Pitch	Buisson, D.; Doutre, L.; Astruc, J.M.; Palhière, I.	Toward a genetic evaluation for functional longevity in French dairy sheep breeds
Caprine/Ovine (3)	5-jul	16:10	16:12	Pitch	Arnal, M.A.; Clément, V.C.; Palhière, I.P.	Maturity, a new indicator to improve longevity of Saanen dairy goats in France
Caprine/Ovine (3)	5-jul	16:12	16:14	Pitch	Pant, S.D.	The relevance of spermatozoal RNA and quality in livestock production

Caprine/Ovine (3)	5-jul	16:14	16:16	Pitch	Lakhssassi, K.; Marín, B.; Serrano, M.; Lahoz, B.; Ureña, I.; Folch, J.; Sarto, M.P.; Calvo, J.H.; Alabart, J.L.	Exploring the vomeronasal organ transcriptome in Rasa Aragonesa rams with different sexual behaviour
Caprine/Ovine (3)	5-jul	16:16	16:18	Pitch	Arranz, J.J.; Marina, H.; Esteban-Blanco, C.; Suarez-Vega, A.; Pelayo, R.; Alonso-Garcia, M.; Gutierrez-Gil, B.	Elucidating transcriptomic differences in perirenal fat between male and female suckling lambs
Caprine/Ovine (3)	5-jul	16:18	16:20	Pitch	Mészárosóvá, M.; Mészáros, G.; Margetín, M.; Moravčíková, N.; Pavlík, I.; Kasarda, R.	Measures of diversity based on autosomal and sex chromosomes of Valachian sheep
Caprine/Ovine (3)	5-jul	16:30	16:45		Brown, D.J.; Bradley, P.E.; Banks, R.G.; McCrabb, E.J.; Rose, I.J.; Guy, S.Z.Y.	The Data Quality Score: objective assessment of data quality for Australian sheep breeders
Caprine/Ovine (3)	5-jul	16:45	17:00		Kaseja, K.; Smith, E.; Banos, G.; Mucha, S.; Yates, J.; Conington, J.	Impact of genotypic information on genetic evaluation accuracy for mastitis and footrot in the UK Texel Sheep
Caprine/Ovine (3)	5-jul	17:00	17:15		Ben Braiek, M.; Hozé, C.; Fabre, S.; Moreno-romieux, C.; Astruc, J.-M.	Characterization of homozygous haplotype deficiency compromising fertility traits in Manech Tête Rousse dairy sheep
Caprine/Ovine (3)	5-jul	17:15	17:30		Wicki, M.; Fassier, T.; Huau, C.; Rupp, R.	Genetic analysis of colostrum and passive immune transfer in divergent goat lines selected for functional longevity
Caprine/Ovine (3)	5-jul	17:30	17:45		Molotsi, A.H.; Cloete, S.W.P.; Malan, I.N.	Selection signatures in South African indigenous sheep using the HAPFLK approach
Caprine/Ovine (3)	5-jul	17:45	18:00		Nel, C.L.; Dzama, K.; Snyman, M.A.; Swan, A.A.; Olivier, W.J.; Cloete, S.W.P.	An across-flock genetic analysis of components of reproduction in four South African Merino resource flocks
Plenary 3: Discussion delivering genetic progress around the world	6-jul	8:30	9:30		Van Arendonk, J.A.M.	Panel with industry representatives, delivering genetic progress around the world.
Methods and Tools: Software and Computing Strategies (2)	6-jul	10:00	10:02	Pitch	Perez-Rodriguez, P.; De Los Campos, G.	Additions to the BGLR R-Package: A New Function for Biobank Size Data and Bayesian Multivariate Models
Methods and Tools: Software and Computing Strategies (2)	6-jul	10:02	10:04	Pitch	Lopez-Cruz, M.A.; Valente, B.; Herring, W.; De Los Campos, G.; Chen, C.Y.; Grueneberg, A.	SFSI: A package to solve penalized selection indices and sparse genomic prediction
Methods and Tools: Software and Computing Strategies (2)	6-jul	10:04	10:06	Pitch	Cardoso, F.F.; Campos, G.S.; Junqueira, V.S.	INTERGEN: An efficient and flexible tool for large-scale genetic evaluation of complex animal and plant populations
Methods and Tools: Software and Computing Strategies (2)	6-jul	10:06	10:08	Pitch	Vandenplas, J.; Calus, M.P.L.; Ten Napel, J.; Strandén, I.; Veerkamp, R.F.; Schrauf, M.; Lidauer, M.; Taskinen, M.	MiXBLUP 3.0 - Software for large genomic evaluations in animal breeding programs
Methods and Tools: Software and Computing Strategies (2)	6-jul	10:08	10:10	Pitch	Schokker, D.; Poppe, M.; Kamphuis, C.; Athanasiadis, I.N.; Ten Napel, J.; Veerkamp, R.F.	From raw sensor and automated data to genetic evaluation and validation in the cloud
Methods and Tools: Software and Computing Strategies (2)	6-jul	10:10	10:12	Pitch	Strandén, I.; Veerkamp, R.F.; Naderi, S.; Ten Napel, J.; Vandenplas, J.; Evans, R.; Mäntysaari, E.A.	Indirect genomic prediction reduces computational costs in large-scale single-step evaluations

Methods and Tools: Software and Computing Strategies (2)	6-jul	10:15	10:30		Meyer, K.	Accounting for trait-specific genomic and residual polygenic covariances in multivariate single-step genomic evaluation
Methods and Tools: Software and Computing Strategies (2)	6-jul	10:30	10:45		Ben Zaabza, H.; Mäntysaari, E.A.; Aamand, G.P.; Taskinen, M.; Pitkänen, T.; Strandén, I.	Avoiding double counting in genomic reliability calculations
Methods and Tools: Software and Computing Strategies (2)	6-jul	10:45	11:00		Cheng, H.; Garrick, D.; Qu, J.; Fernando, R.; Zhao, T.	JWAS Version 2: Leveraging Biological Information and High-Throughput Phenotypes into Genomic Prediction and Association
Methods and Tools: Software and Computing Strategies (2)	6-jul	11:00	11:15		Bermann, M.; Cesarani, A.; Lourenco, D.; Misztal, I.	ACCF90GS2: software for fast approximation of reliabilities of estimated breeding values in single-step GBLUP
Methods and Tools: Software and Computing Strategies (2)	6-jul	11:15	11:30		Boerner, V.	One for all: LMT – the linear models toolbox
Methods and Tools: Software and Computing Strategies (2)	6-jul	11:30	11:45		Lourenco, D.; Aguilar, I.; Bermann, M.; Tsuruta, S.; Misztal, I.; Masuda, Y.; Legarra, A.	Recent updates in the BLUPF90 software suite
Methods and Tools: Software and Computing Strategies (2)	6-jul	11:45	12:00		Pitkänen, T.J.; Taskinen, M.; Lidauer, M.H.; Gao, H.; Mäntysaari, E.A.; Strandén, I.	From data to genomic breeding values with the MiX99 software suite
Society – Genetics in the tropics	6-jul	10:00	10:02	Pitch	Panetto, J.C.C.; MacHado, M.A.; Pereira, M.A.; Faza, D.R.L.R.; Fernandes, A.R.; Glatz Junior, L.A.; Silva, M.V.G.B.; Ventura, H.T.; Martins, M.F.; Leandro, F.D.; Verneque, R.S.; Oliveira, J.C.; Borges, C.A.V.; MacHado, C.H.C.; Garcia, A.O.	Providing genetics for the dairy industry in the tropics - the Brazilian Dairy Gir Breeding Program
Society – Genetics in the tropics	6-jul	10:02	10:04	Pitch	Shaffer, W.; Bello, N.M.; Bormann, J.; Moreno, J.A.H.; Weaber, R.; Rolf, M.	Modelling phenotypic plasticity relative to a temperature humidity index as an indicator of adaptability in beef cattle
Society – Genetics in the tropics	6-jul	10:04	10:06	Pitch	Makgahlela, M.L.; Neso, F.W.C.; MacNeil, M.D.; Scholtz, M.M.; Mdyogolo, S.	Differentiated genomic regions in the Afrikaner and Brahman cattle of South Africa reveal parallel adaptive mechanisms
Society – Genetics in the tropics	6-jul	10:06	10:08	Pitch	Ekine-Dzivenu, C.C.; Oloo, R.D.; Okeyo, A.M.; Lyatuu, E.; Mrode, R.; Ojango, J.M.; Komwihangilo, D.; Msuta, G.	Genomic analysis of milk yield and heat tolerance in small holder dairy system of sub-Saharan Africa
Society – Genetics in the tropics	6-jul	10:08	10:10	Pitch	Scholtz, M.M.; Chadyiwa, M.C.; MacNeil, M.D.; Neso, F.W.C.	Genetic analysis of traits needed to optimize improvement in beef cow-calf efficiency in Afrikaner cattle
Society – Genetics in the tropics	6-jul	10:10	10:12	Pitch	Wiener, P.; Djikeng, A.; Tanya, V.; Rosen, B.D.; Salavati, M.; Clark, E.L.; Simo, G.; Van Tassell, C.P.; Meutchieye, F.; Spangler, G.L.	Genetic diversity of the Cameroon Blackbelly sheep, an indigenous sheep from West Africa
Society – Genetics in the tropics	6-jul	10:12	10:14	Pitch	Morris, K.M.; Girma, M.; Hanotte, O.; Dessie, T.; Sutton, K.; Psifidi, A.; Esatu, W.; Banos, G.; Vervelde, L.	Phenotypic characterisation of African chickens raised in semi-scavenging conditions
Society – Genetics in the tropics	6-jul	10:14	10:16	Pitch	Houaga, I.; Lavrenčić, E.; Banga, C.B.; Oliveira, T.O.; Pocrnic, I.; Gorjanc, G.	Spatial modelling in genetic evaluation of South African Holstein cattle population
Society – Genetics in the tropics	6-jul	10:16	10:18	Pitch	Oloo, R.D.; Ojango, J.M.K.; Mwai, A.O.; Ekine-Dzivenu, C.C.; Mrode, R.; Chagunda, M.G.G.	Testing phenotypes for degree of resilience using fluctuations in milk yield of dairy cows in sub-Saharan Africa

Society – Genetics in the tropics	6-jul	10:18	10:20	Pitch	Magwaba, T.; Mushi, J.R.; Zhou, H.; Msoffe, P.L.; Amuzu-Aweh, E.N.; Lamont, R.J.; Mollel, E.; Gallardo, R.A.; Chouicha, N.; Dekkers, J.C.M.; Walugembe, M.; Wolc, A.; Kelly, T.; Chiwanga, G.H.; Muhairwa, A.P.	Egg production and genetic parameters for Tanzanian local chickens.
Society – Genetics in the tropics	6-jul	10:30	10:45		Talenti, A.; Wragg, D.; Hammond, J.A.; Hemmink, J.D.; Prendergast, J.; Chepkwony, M.; Toye, P.; Powell, J.; Ferreira, B.R.; Njeru, R.; Morrison, L.; Paxton, E.; Archibald, A.L.; Fisch, A.; Miyunga, A.; Connelley, T.	Expanding the cattle reference graph genome
Society – Genetics in the tropics	6-jul	10:45	11:00		Opoola, O.; Mrode, R.; Chagunda, M.G.G.; Shumbusho, F.; Djikeng, A.; Hambrook, D.; Moran, D.	Genetic structure and diversity of Jersey dairy cattle in Rwanda
Society – Genetics in the tropics	6-jul	11:00	11:15		Spoelstra, M.; Bovenhuis, H.; Periasamy, K.; Sölkner, J.; Babigumari, B.; Dematawewa, C.M.B.	Estimation of breed admixture levels in Sri Lanka cattle and its relation to performance traits
Society – Genetics in the tropics	6-jul	11:15	11:30		Hermesch, S.; Isberg, S.R.	Economic values for skin grade, days to market and number of hatchlings in the Australian saltwater crocodile industry
Society – Genetics in the tropics	6-jul	11:30	11:45		Kebede, F.G.; Dessie, T.; Derks, M.; Kemp, S.; Komen, H.; Bastiaansen, J.; Crooijmans, R.; Hanotte, O.; Alemu, S.W.; Pita Barros, C.	Exploiting phenotypic plasticity in animal breeding
Society – Genetics in the tropics	6-jul	11:45	12:00		Gheyas, A.A.; Bamidele, O.; Smith, J.; Rachman, M.; Dessie, T.; Hanotte, O.	Whole genome sequencing reveals genetic diversity and heat-stress adaptation in Nigerian indigenous chickens
Challenges – Delivering genetic progress in systems around the world	6-jul	10:00	10:02	Pitch	Abdelsayed, M.; Nieuwof, G.J.; Axford, M.M.	Impact of industry effort to increase dairy heifer genomic testing in Australia
Challenges – Delivering genetic progress in systems around the world	6-jul	10:02	10:04	Pitch	Nieuwhof, G.J.; Ong, L.T.	Weekly national dairy evaluations - A Vietnam-Australia collaboration
Challenges – Delivering genetic progress in systems around the world	6-jul	10:04	10:06	Pitch	Newton, J.E.; Pryce, J.E.; Haile-Mariam, M.; Axford, M.M.; Bullen, S.L.	The value proposition for using genomics to confirm parentage in Australian dairy systems
Challenges – Delivering genetic progress in systems around the world	6-jul	10:15	10:30		Guinan, F.L.; Dürr, J.W.; Lourenco, D.; Cole, J.B.; Wiggans, G.R.; Misztal, I.; Norman, H.D.; Van Tassell, C.P.	Changes in genetic trends for dairy cattle in the U.S. since the implementation of genomic selection
Challenges – Delivering genetic progress in systems around the world	6-jul	10:30	10:45		Munilla, S.; Maizon, D.O.; Tessi, J.M.	Community based breeding programme for low input beef cattle production systems in the arid region of Argentina
Challenges – Delivering genetic progress in systems around the world	6-jul	10:45	11:00		Santos, B.F.S.; Kok, J.; Amer, P.R.; Jenkins, G.M.; Stachowicz, K.	A participatory approach to review and update the national breeding objectives for New Zealand dairy cattle
Challenges – Delivering genetic progress in systems around the world	6-jul	11:00	11:15		Mulhall, S.A.; Evans, R.D.; Sleator, R.D.; Twomey, A.J.	Genetic trends for carcass traits within breeds in a multi-breed evaluation
Challenges – Delivering genetic progress in systems around the world	6-jul	11:15	11:30		Duijvesteijn, N.; Atikpakpe, R.; Renckly, J.; Perrault, L.; Van Arendonk, J.A.M.; Garcia Martinez, N.; Arbeau, T.	Improving growth performance for dual purpose chickens for challenging conditions in Africa

Challenges – Delivering genetic progress in systems around the world	6-jul	11:30	11:45		Retallick, K.J.; Garcia, A.; Lu, D.; Miller, S.P.	Genomic Selection in the US: Where it has been and where it is going?
Challenges – Delivering genetic progress in systems around the world	6-jul	11:45	12:00		Tsuruta, S.; Misztal, I.; Lourenco, D.A.L.	Efficient genetic progress for quantitative traits through genomic selection
Education	6-jul	10:00	10:30		Lindburg, J.J.	Digital Learning in Postsecondary Education: 30 Transformational Years
Education	6-jul	10:30	11:15		Cole, J.B.; Olson, K.M.; Mrode, R.A.; Knap, P.	A panel discussion: broadening learning by incorporating industry professionals in education
Education	6-jul	11:15	11:30		Bullock, K.D.; Weaber, R.L.; Golden, B.L.; Rolf, M.M.; Spangler, M.L.; Van Eenennaam, A.L.; Loy, D.D.; Rowan, T.N.; White, J.J.; Decker, J.E.	Conducting a National Beef Cattle Genetics Outreach Program in the USA
Education	6-jul	11:30	11:45		Komen, J.; Lont, D.E.; Van Arendonk, J.A.M.	Breeding Lab: a successful industry-academia collaboration to provide MSc consultancy training
Education	6-jul	11:45	11:47	Pitch	Granleese, T.; Martin, S.J.; Van Der Werf, J.H.J.	How a group of Merino breeders increase the rate of genetic gain by 134% in five
Education	6-jul	11:47	11:49	Pitch	Mészáros, G.	YouTube applied to the education of genetics and genomics
Education	6-jul	11:49	11:51	Pitch	Klingström, T.; Ohlsson, J.I.	Creating a good learning and sharing environment for bioinformatics
Education	6-jul	11:51	11:53	Pitch	Tetens, J.; Heams, T.; Strandberg, E.; Lont, D.; Berg, P.; Sölkner, J.; Komen, H.; Mészáros, G.; Simianer, H.	European master in animal breeding and genetics (EMABG): A training for research, practical, and transversal skills
Bovine Beef (1)	6-jul	10:00	10:02	Pitch	Russell, C.A.; Snelling, W.M.; Kuehn, L.A.; Spangler, M.L.	Genetic prediction for growth traits in beef cattle using selected variants from imputed low-pass sequence data
Bovine Beef (1)	6-jul	10:02	10:04	Pitch	Ross, E.M.; Engle, B.N.; Kho, E.; Nguyen, L.T.; Chamberlain, A.J.; Hayes, B.J.	Bos indicus genome percentage effects gene expression and differentially expressed genes in Brahman cattle whole blood
Bovine Beef (1)	6-jul	10:04	10:06	Pitch	Menezes, G.R.O.; Lima, A.L.R.; Fernandes Junior, J.A.; Siqueira, F.; Souza, C.B.; Silva, L.N.; Gondo, A.; Torres Junior, R.A.A.; Egito, A.A.	Effect of one copy of nt821 mutation in myostatin gene on ultrasound carcass traits in Senepol cattle
Bovine Beef (1)	6-jul	10:06	10:08	Pitch	Del Real García, V.M.; Paredes Sánchez, F.A.; Rodríguez Almeida, F.A.; Garza Brenner, E.; Sifuentes Rincón, A.M.; Bernal Barragán, H.; Ruiz De La Cruz, G.; Parra Bracamonte, G.M.	Allelic diversity and effect of the intronic TBX20-191081 marker on temperament in beef cattle
Bovine Beef (1)	6-jul	10:08	10:10	Pitch	Lemal, P.; Gengler, N.; Schroyen, M.	Innovative phenotyping strategies exploiting immune response to heat stress conditions
Bovine Beef (1)	6-jul	10:10	10:12	Pitch	Cardoso, T.F.; Diniz, W.J.S.; Mourão, G.B.; Malheiros, J.M.; Afonso, J.; Regitano, L.C.A.; Bruscadin, J.J.; Zerlotini, A.; Andrade, B.G.N.; Banerjee, P.; Coutinho, L.L.; Porto, T.; Petrini, J.	Epistatic interaction networks affecting feed efficiency and methane emission in Nelore cattle
Bovine Beef (1)	6-jul	10:15	10:30		Lima, J.; Mattock, J.; Watson, M.; Duthie, C.-A.; Martínez-Alvaro, M.; Dewhurst, R.J.; Auffret, M.D.; Roehe, R.; Cleveland, M.A.	Host-genomically influenced ruminal microbial genes are temporally stable during the finishing phase in beef cattle
Bovine Beef (1)	6-jul	10:30	10:45		Charlier, C.; Gualdrón Duarte, J.L.; Georges, M.; Karim, K.; Druet, T.; De Smet, S.; Ahariz, N.; Rombouts, T.; Coppieters, W.	A hypomorphic mutation in the ATP2A1 gene increases muscle mass yet compromises meat quality of Belgian Blue cattle

Bovine Beef (1)	6-jul	10:45	11:00		Sanglard, L.P.; Snelling, W.M.; Kuehn, L.A.; Spangler, M.L.	Mitochondrial DNA copy number as a potential genetic indicator of growth and carcass traits in beef cattle
Bovine Beef (1)	6-jul	11:00	11:15		Lynn, A.M.; Aliloo, H.; Polkinghorne, R.; McGilchrist, P.; Van Der Werf, J.H.J.; Clark, S.A.	Genomic regions in Australian cattle associated with consumer satisfaction of beef
Bovine Beef (1)	6-jul	11:15	11:30		Kim, H.J.; Clark, S.; De Las Heras-Saldana, S.; Van Der Werf, J.H.J.	A genome-wide scan for signatures of selection in Hanwoo and Angus cattle using whole-genome sequence data.
Bovine Beef (1)	6-jul	11:30	11:45		Mateescu, R.G.; Sarlo Davila, K.M.; Hernandez, A.; Rezende, F.M.; Oltenacu, P.A.; Nunez Andrade, A.N.; Elzo, M.A.	Genetic analyses reveal the genetic architecture of the thermotolerance – production complex in beef cattle
Bovine Beef (1)	6-jul	11:45	12:00		Porto-Neto, L.R.; Alexandre, P.A.; Reverter, A.; McWilliam, S.; Fortes, M.R.S.	The effect of allele ancestry on hip height and body weight of tropical beef cattle
Lunch seminar: Illumina	6-jul	12:00	13:30			
Plenary 4	7-jul	8:30	9:30		Koopmans, M.P.G.	Genetics and genomics of virus infections
Challenges – Across species and breed genomics genetics	7-jul	10:00	10:02	Pitch	Khansfid, M.; Goddard, M.E.; Daetwyler, H.D.; Schrooten, C.; Ferdosi, M.H.; MacLeod, I.M.; O’connor, E.; Haile-Mariam, M.; Pryce, J.E.; De Jong, G.	Application of haplotype relationship matrices for genomic prediction in purebred and crossbred cows
Challenges – Across species and breed genomics genetics	7-jul	10:02	10:04	Pitch	Capra, E.; Milanesi, M.; Garcia, J.F.; Lazzari, B.; Stella, A.; Nogueira, G.D.P.; Ajmone Marsan, P.	Bos Taurus and Bos Indicus Reduced Representation Bisulfite Sequencing comparison showed high epigenetic variability
Challenges – Across species and breed genomics genetics	7-jul	10:04	10:06	Pitch	Ryan, C.A.; Pabiou, T.; Berry, D.P.; Purfield, D.C.	Evaluating the use of genotype information for the prediction of breed composition in purebred and crossbred cattle
Challenges – Across species and breed genomics genetics	7-jul	10:06	10:08	Pitch	Guillenea, A.; Lund, M.S.; Su, G.; Karaman, E.	Genomic prediction using breed origin of alleles model accounting for probabilities in the assignment of the alleles
Challenges – Across species and breed genomics genetics	7-jul	10:08	10:10	Pitch	Granado-Tajada, I.; Ugarte, E.; Ramón, M.; Jiménez, M.Á.; Pineda-Quiroga, C.; Arranz, J.J.; Serrano, M.; Marina, H.	Making the most of genetic relationships between Iberian dairy sheep breeds
Challenges – Across species and breed genomics genetics	7-jul	10:10	10:12	Pitch	Tammen, I.; Li, Z.; Vanichkina, D.P.; Mather, M.; Nothman, J.; Nicholas, F.W.	Online Mendelian Inheritance in Animals (OMIA) – future proofing of a globally used animal genetics knowledgebase
Challenges – Across species and breed genomics genetics	7-jul	10:15	10:30		Duenk, P.; Bijma, P.; Calus, M.P.L.; Wientjes, Y.C.J.; Lopes, M.S.	Predicting the purebred-crossbred genetic correlation from phenotype and genotype data of parental lines in pigs
Challenges – Across species and breed genomics genetics	7-jul	10:30	10:45		Hayes, B.J.; Dodd, E.; Fordyce, G.; Copley, J.; Ross, E.M.	Multi-breed genomic predictions from commercial crossbred data
Challenges – Across species and breed genomics genetics	7-jul	10:45	11:00		Warburton, C.L.; Engle, B.N.; Costilla, R.C.; Hayes, B.J.	Simultaneous mapping of quantitative trait loci in multiple subspecies using hybrid populations
Challenges – Across species and breed genomics genetics	7-jul	11:00	11:30		Van Den Berg, I.; Khansfid, M.; MacLeod, I.M.; Pryce, J.E.; Xiang, R.; Chamberlain, A.J.; Goddard, M.E.; Prowse-Wilkins, C.P.	Strategies to find predictive variants that improve multi-breed genomic prediction in dairy cattle
Challenges – Across species and breed genomics genetics	7-jul	11:30	11:45		Jaafar, M.A.; Dechow, C.; Huson, H.J.; Heins, B.J.; Van Tassell, C.P.	Impact of Breed Ancestry on the Performance of Crossbred Dairy Cattle
Challenges – Across species and breed genomics genetics	7-jul	11:45	12:00		Aldridge, M.N.; Henshall, J.M.; Peeters, K.; Marjanovic, J.; De Klerk, B.; De Haas, Y.	DNA pooling is a cost effective method of including commercial crossbred data in selection of purebreds.
Challenges – Genetic control of infectious disease transmission and impact (1)	7-jul	10:00	10:02	Pitch	Ibelli, A.M.G.; Fernandes, L.T.; Ledur, M.C.; Morés, M.A.Z.; Gava, D.; Peixoto, J.O.; Schaefer, R.; Fonseca, F.N.; Haach, V.; Cantão, M.E.; Bastos, A.P.	Molecular mechanisms involved with influenza A nanovaccine immunogenicity in pigs

Challenges – Genetic control of infectious disease transmission and impact (1)	7-jul	10:02	10:04	Pitch	De Koning, D.J.; Niazi, A.; Mostin, L.; Klingström, T.; De Clercq, K.; Van Borm, S.; Haegeman, A.	Host variation in susceptibility to lumpy skin disease: gene expression analyses of experimentally infected cows.
Challenges – Genetic control of infectious disease transmission and impact (1)	7-jul	10:04	10:06	Pitch	Garreau, H.; Bed'hom, B.; Maupin, M.; Helies, V.; Lantier, F.; Gunia, M.; Herbert, C.; Guitton, E.; Robert, R.; Helloin, E.	Relationship between resistance to a Pasteurella Multocida experimental infection and production traits in rabbits
Challenges – Genetic control of infectious disease transmission and impact (1)	7-jul	10:06	10:08	Pitch	Arisman, B.C.A.; Morgan, J.L.M.; Burke, J.M.B.; Lewis, R.M.L.	Quantification of environmental management systems for U.S. Katahdin sheep producers
Challenges – Genetic control of infectious disease transmission and impact (1)	7-jul	10:08	10:10	Pitch	Mulder, H.A.	Bias and heritability of the autocorrelation based on longitudinal data used as resilience indicator
Challenges – Genetic control of infectious disease transmission and impact (1)	7-jul	10:15	10:30		Madsen, M.D.; Clark, S.; Van Der Werf, J.H.J.	The possibilities of estimating relationships between traits with and without micro-genetic environmental sensitivity.
Challenges – Genetic control of infectious disease transmission and impact (1)	7-jul	10:30	10:45		Besson, M.; Bestin, A.; Barkas, D.; Vandeputte, M.; Bajek, A.; Morvezen, R.; Izquierdo, M.; Morin, T.; François, Y.; Haffray, P.; Dupont-Nivet, M.; Brunier, J.	Selective breeding for survival to Vibrio harveyi in European seabass is robust to different feeding environments
Challenges – Genetic control of infectious disease transmission and impact (1)	7-jul	10:45	11:00		Hulst, A.D.; De Jong, M.C.M.; Bijma, P.	Can we prevent pathogen adaptation when breeding disease resistant livestock?
Challenges – Genetic control of infectious disease transmission and impact (1)	7-jul	11:00	11:15		Bai, X.; Fortin, F.; Rogel-Gailard, C.; Dyck, M.K.; Cheng, J.; Plastow, G.S.; Field, C.J.; Harding, J.C.S.; Blanc, F.; Dekkers, J.C.M.	Indicators of disease resilience from complete blood count and in vitro immunoassays data from young-healthy pigs
Challenges – Genetic control of infectious disease transmission and impact (1)	7-jul	11:15	11:30		Dunkelberger, J.; Little, E.; Dee, S.; Mathur, P.; Hanson, D.; Knol, E.	Evidence of naturally occurring genetic variation in host response to challenge with a highly pathogenic PRRSV strain
Challenges – Genetic control of infectious disease transmission and impact (1)	7-jul	11:30	12:00		Bijma, P.; De Jong, M.C.M.; Hulst, A.D.	A quantitative genetic theory for infectious diseases
Design of breeding programs	7-jul	10:00	10:30		Banks, R.	Strategies to support phenotyping for genomic selection R&D and implementation in beef and sheep industries
Design of breeding programs	7-jul	10:30	10:45		Klingström, T.; De Koning, D.J.; Ohlsson, J.I.	The Infrastructure for Cattle Data at the Swedish University of Agricultural Sciences, Gigacow
Design of breeding programs	7-jul	10:45	11:00		De Hollander, C.A.; Henshall, J.; Calus, M.P.L.; Breen, V.P.; Lopes, F.B.	Optimizing Sampling Strategies for Sib Test Schemes in a Broiler Breeder Program
Design of breeding programs	7-jul	11:00	11:15		Pyoos-Daniels, G.M.; Scholtz, M.M.; Weepener, H.L.; MacNeil, M.D.; Seshoka, M.M.; Naser, F.W.C.	Plasticity of breed direct and individual heterosis effects in beef cattle under extensive conditions
Design of breeding programs	7-jul	11:15	11:30		Johnston, D.J.; Cook, J.; Ferdosi, M.H.; Savage, D.B.	Polled Accelerator - a unique application of genomic technologies to address a beef breeding challenge
Design of breeding programs	7-jul	11:30	11:45		Dekkers, J.C.M.; Kramer, L.; Su, H.; Yu, H.	An approach for the design of breeding programs using genomics

Design of breeding programs	7-jul	11:45	12:00		Kargo, M.; Østergaard, S.; Slagboom, M.; Nielsen, H.M.; Thomassen, J.R.; Kring, R.D.; Clasen, J.B.	Should we breed cows like pigs? a new organisation of dairy cattle breeding
Bovine Dairy - Genome informed breeding	7-jul	10:00	10:02	Pitch	Li, B.; Kapsona, V.; Oikonomou, G.; Dai, X.; Anagnostopoulos, A.; Barden, M.; Psifidi, A.; Bedford, C.; Molano, E.S.; Banos, G.; Coffey, M.; Griffiths, B.E.	Understanding the genetic architecture of claw horn lesions in different lactation stages in Holstein cattle
Bovine Dairy - Genome informed breeding	7-jul	10:02	10:04	Pitch	Becker, D.; Weikard, R.; Kühn, C.; Zerbe, H.; Meyerholz, M.M.; Heimes, A.; Engelmann, S.; Petzl, W.; Hoedemaker, M.; Schmicke, M.; Schuberth, H.-J.	Shared response pattern in the mammary transcriptome after intramammary challenge with E. coli or S. aureus pathogen
Bovine Dairy - Genome informed breeding	7-jul	10:04	10:06	Pitch	Jivanji, S.; Harland, C.; Garrick, D.; Fransén, T.; Coudrey, C.; Yeates, A.; Spelman, R.; McNaughton, L.; Gray, C.; Littlejohn, M.; Monehan, T.; Worth, G.	Epistatic interaction between KIT and MITF causes splotchy face in Hereford × dairy crossbred calves
Bovine Dairy - Genome informed breeding	7-jul	10:06	10:08	Pitch	Mj, C.A.R.A.B.A.Ñ.O.; C., G.O.N.Z.A.L.E.Z.-V.E.R.D.E.J.O.; M., R.A.M.O.N.; C., D.I.A.Z.	Searching for genes involved in heat stress response in lactating cows through transcriptomics
Bovine Dairy - Genome informed breeding	7-jul	10:08	10:10	Pitch	Martin, A.A.A.; Fonseca, P.A.S.; Baes, C.F.; Miglior, F.; Oliveira, H.R.; Cánovas, A.; Rochus, C.M.; Schenkel, F.S.; Id-Lahoucine, S.	Genomic regions exhibiting transmission distortions and copy number variants associated with stillbirth in cattle
Bovine Dairy - Genome informed breeding	7-jul	10:10	10:12	Pitch	Bengtsson, C.; Thomassen, J.R.; Fikse, W.F.; Stålhammar, H.; Eriksson, S.; Strandberg, E.	Mating allocations in Nordic Red Dairy Cattle using genomic information
Bovine Dairy - Genome informed breeding	7-jul	10:12	10:14	Pitch	Siberski-Cooper, C.J.; Kramer, L.M.; Mayes, M.S.; Chinchilla-Vargas, J.; Lim, K.S.; Koltjes, J.E.	Genome Wide Association Study of Blood Cell Count Measures in Holstein Cows
Bovine Dairy - Genome informed breeding	7-jul	10:14	10:16	Pitch	Carthy, T.R.; Hanrahan, J.P.; McEwan, J.; Keane, O.M.; Mee, J.; Matthews, D.; Rowe, S.	Investigation of Intestinal Atresia in a Jersey Sire Family.
Bovine Dairy - Genome informed breeding	7-jul	10:16	10:18	Pitch	Houlahan, K.; Oliveira, H.R.; Tempelman, R.J.; Oliveira Jr., G.A.; Schenkel, F.S.; Weigel, K.; Miglior, F.; Baes, C.F.; Vandehaar, M.J.	The genomic architecture of feed efficiency over the lactation of dairy cattle
Bovine Dairy - Genome informed breeding	7-jul	10:30	10:45		Persichilli, C.; Van Kaam, J.T.; Cassandro, M.; Senczuk, G.; Marusi, M.; Pilla, F.; Finocchiaro, R.; Di Civita, M.	Population structure and signatures of selection in Italian Holstein through genome-wide analysis of imputed SNP data
Bovine Dairy - Genome informed breeding	7-jul	10:45	11:00		Lopez-Villalobos, N.; Hickson, R.E.; Ariyaratne, H.B.P.C.	Genome-wide association studies for maturity rate in grazing dairy cows
Bovine Dairy - Genome informed breeding	7-jul	11:00	11:15		Brajkovic, V.L.A.D.I.M.I.R.; Turkalj, K.A.T.A.R.I.N.A.; Cubric-Curik, V.L.A.T.K.A.; Ristov, S.T.R.A.H.I.L.; Bradic, L.E.O.N.A.; Curik, I.N.O.; Colli, L.I.C.I.A.; Novosel, D.I.N.K.O.; Sölkner, J.O.H.A.N.N.; Ajmone Marsan, P.A.O.L.O.A.J.M.O.N.E.M.A.R.S.A.N.	Selection, validation, and utilization of mitogenome SNP array information in cattle breeding
Bovine Dairy - Genome informed breeding	7-jul	11:15	11:30		Iso-Touru, T.; Kyläniemi, M.; Virta, A.; Fischer, D.; Tabell, J.; Vilkki, J.	Genomewide transcriptome profiling of milk derived primary bovine mammary epithelial cells after pathogen challenge
Bovine Dairy - Genome informed breeding	7-jul	11:30	12:00		Ooi, E.; Pryce, J.; Goddard, M.	Archetypal clustering reveals physiological mechanisms linking milk yield and fertility in dairy cattle
Bovine Beef (2)	7-jul	10:00	10:02	Pitch	Walsh, S.; Evans, R.D.; Berry, D.P.; McHugh, N.; Murphy, C.	Mining of producer recorded data; using beef calf and cow live-weight data as a case study
Bovine Beef (2)	7-jul	10:02	10:04	Pitch	Taussat, S.; Maupetit, D.; Chanteloup, L.; Vinet, A.; Martin, P.; Dozias, D.; Renand, G.	Sexual precocity of purebred Charolais heifers
Bovine Beef (2)	7-jul	10:04	10:06	Pitch	Aliloo, H.; Clark, S.	Estimation of variance components for female longevity in Australian Angus cattle using random regression models

Bovine Beef (2)	7-jul	10:06	10:08	Pitch	McEwin, R.A.; Tearle, R.; Pitchford, W.S.; Hebart, M.L.; Grose, J.	Eye muscle area and lean muscle area are genetically different traits in high marbling Wagyu carcasses
Bovine Beef (2)	7-jul	10:08	10:10	Pitch	Facy, M.L.; Oakey, H.; Popplewell, G.I.; Hebart, M.L.; McEwin, R.A.; Pitchford, W.S.	Selection on yearling days to calving improves mature fertility traits in tropically adapted cattle
Bovine Beef (2)	7-jul	10:10	10:12	Pitch	Twomey, A.J.; Pabiou, T.	Estimation of maternal variance for slaughter traits in cattle
Bovine Beef (2)	7-jul	10:12	10:14	Pitch	Ferraz, J.B.S.; Baldi, F.S.; Oliveira, E.C.M.; Espigolan, R.; Gama, L.T.; Eler, J.P.; Nuñez-Dominguez, R.	Biological types, direct and maternal heterosis and recombination effects on weaning weight of composite beef cattle
Bovine Beef (2)	7-jul	10:14	10:16	Pitch	Gama, L.T.; Baldi, F.S.; Oliveira, E.C.M.; Espigolan, R.; Ferraz, J.B.S.; Eler, J.P.; Nuñez-Dominguez, R.	Breed differences, heterosis and recombination effects for calving interval in a composite beef cattle breed
Bovine Beef (2)	7-jul	10:16	10:18	Pitch	Baldi, F.	Prediction ability for growth and maternal traits using SNP arrays based on different marker density in Nellore cattle
Bovine Beef (2)	7-jul	10:18	10:20	Pitch	Naderi Darbaghshahi, S.; Evans, R.D.; Pabiou, T.	Applying single step genomic evaluation and integrating local with foreign EBVs to increase calving performance
Bovine Beef (2)	7-jul	10:20	10:22	Pitch	Copley, J.P.; Allen, J.M.; Lyons, R.E.; Fordyce, G.; Corbet, N.J.; Burns, B.M.; Laing, A.R.; Hayes, B.J.; McGowan, M.R.	Understanding the genetics of fertility and temperament in Northern beef cattle using genomic technologies
Bovine Beef (2)	7-jul	10:22	10:24	Pitch	Inoue, K.; Inoue, Y.; Hirooka, H.; Nishio, M.; Takeda, M.	Genomic prediction with non-additive genetic effects for carcass weight and beef marbling in Japanese Black cattle
Bovine Beef (2)	7-jul	10:24	10:26	Pitch	Carvalho Filho, I.; Souza Teixeira, C.; Galvão Albuquerque, L.; Alves Silva, D.; Lima Silva, T.; Carvalheiro, R.	Reaction norm models contribute to the investigation of environmental sensitivity for weaning weight in Nellore cattle
Bovine Beef (2)	7-jul	10:26	10:28	Pitch	Hirooka, H.	Investigation on inheritance transmission modes using breeding values estimated from genomic or pedigree information
Bovine Beef (2)	7-jul	10:28	10:30	Pitch	Duff, C.J.; McGilchrist, P.; Samaraweera, A.M.; Clark, S.A.	Genetic parameters for fatty acid traits of beef in Australian Angus
Bovine Beef (2)	7-jul	10:30	10:45		Bonifazi, R.; Ten Napel, J.; Vandenplas, J.; Biffani, S.; Calus, M.P.L.; Savoia, S.; Veerkamp, R.F.; Cassandro, M.	Integration of beef cattle international estimated breeding values in the Italian evaluation
Bovine Beef (2)	7-jul	10:45	11:00		Alvarenga, A.B.; Garcia, A.; Miller, S.P.; Retallick, K.; Brito, L.F.; Oliveira, H.R.; Byrne, A.	A genomic evaluation of genotype-by-environment interactions for foot scores in American and Australian Angus cattle
Bovine Beef (2)	7-jul	11:00	11:15		Nazari-Ghadikolaie, A.; Fikse, F.; Eriksson, S.	Single-step GBLUP evaluation for categorical traits for beef cattle
Bovine Beef (2)	7-jul	11:15	11:30		Weik, F.; Morris, S.T.; Archer, J.A.; Hickson, R.E.; Garrick, D.J.	Genetic parameters for mature cow body condition scores and fat and muscle traits in finishing beef cattle
Bovine Beef (2)	7-jul	11:30	11:45		Ring, S.C.; McCarthy, J.; Berry, D.P.; Evans, R.D.; Cromie, A.	Decision support tools to support a more sustainable beef -on-dairy industry
Lunch seminar: Bayer	7-jul	12:00	13:30			
Challenges – Use of whole genome sequence information (1)	7-jul	13:30	14:00		Leonard, A.S.; Pausch, H.	Pangenomes of haplotype-resolved assemblies enable population-scale genotyping of cattle structural variation

Challenges – Use of whole genome sequence information (1)	7-jul	14:00	14:15		Crysnanto, D.; Pausch, H.; Leonard, A.	Comparison of methods for building pangenome graphs
Challenges – Use of whole genome sequence information (1)	7-jul	14:15	14:30		Hess, A.; Clarke, R.; McRae, K.; Caulton, A.; Brauning, R.; Clarke, S.	Expanding the genomic toolkit: What does Oxford Nanopore Sequencing have to offer?
Challenges – Use of whole genome sequence information (1)	7-jul	14:30	14:45		Häfliger, I.M.; Drögemüller, C.; Seefried, F.R.	Successful trio-based reverse genetic screen in an endangered local cattle breed
Challenges – Use of whole genome sequence information (1)	7-jul	14:45	15:00		Larkin, D.; Yudin, N.; Yurchenko, A.; Romashov, G.	How does a harsh environment make wild and domestic animals evolve similarly?
Challenges – Use of whole genome sequence information (1)	7-jul	15:00	15:15		Casu, S.; Sechi, T.; Carta, A.; Miari, S.; Usai, M.G.; Ligios, C.; Maestrone, C.; Salaris, S.	Functional and association analyses of sequence data in a region of OAR 20 associated to paratuberculosis in sheep
Challenges – Use of whole genome sequence information (1)	7-jul	15:15	15:30		Falker-Gieske, C.; Spourita, M.; Gilthorpe, J.D.; Paul, N.-F.; Gustmann, K.; Tetens, J.	Discovery of a genetic variant in serum amyloid A that might protect chickens from amyloid arthropathy
Challenges – Genetic control of infectious disease transmission and impact (2)	7-jul	13:30	13:45		Gunia, M.; Aymard, P.; Garreau, H.; Robert, R.; Herbert, C.; Ruesche, J.; Gilbert, H.; Savietto, D.; Gillet, E.; Warin, L.; Helies, V.	Breeding for general disease resistance: a selection experiment in rabbits
Challenges – Genetic control of infectious disease transmission and impact (2)	7-jul	13:45	14:00		Boichard, D.; Fritz, S.; Fourichon, C.; Tribout, T.; Delafosse, A.; Guatteo, R.; Sanchez, M.P.; Schibler, L.	A single step genetic evaluation including causal candidate SNPs for resistance to paratuberculosis in Holstein cattle
Challenges – Genetic control of infectious disease transmission and impact (2)	7-jul	14:00	14:15		Usai, M.G.; Sechi, T.; Carta, A.; Pintus, D.; Casu, S.; Mulas, G.; Cancedda, M.G.; Salaris, S.	Genetic parameters and QTL mapping for antibody response to Paratuberculosis in a natural infected flock of sheep
Challenges – Genetic control of infectious disease transmission and impact (2)	7-jul	14:15	14:30		Johnston, S.E.; Watt, K.; Nussey, D.H.; Pilkington, J.G.; Sparks, A.M.; McNeilly, T.N.; Sinclair, R.; Wimborne, E.A.; Pemberton, J.M.	The genetic basis of sex differences in immune responses in wild Soay sheep (<i>Ovis aries</i>)
Challenges – Genetic control of infectious disease transmission and impact (2)	7-jul	14:30	15:00		Doeschl-Wilson, A.; Pooley, C.M.; Marion, G.	New tools and insights to enable breeding for reduced disease transmission
Challenges – Genetic control of infectious disease transmission and impact (2)	7-jul	15:00	15:15		Prentice, J.C.; Tsairidou, S.; Marion, G.; Anacleto, O.; Pooley, C.M.; Doeschl-Wilson, A.B.; Bailey, R.I.; Pong Wong, R.; Villanueva, B.; Saura, M.	Transmission experiment in turbot shows high genetic variation in host infectivity affecting disease spread and survival
Challenges – Genetic control of infectious disease transmission and impact (2)	7-jul	15:15	15:30		García-Ballesteros, S.; Doeschl-Wilson, A.; Fernández, J.; Villanueva, B.	Impact of selection for disease resistance on the spread of infection in a simulated aquaculture population
Breeding goals and selection strategies	7-jul	13:30	13:32	Pitch	Lobo, R.N.B.	Relative importance of selection objective traits in participatory breeding programs - MultiAtr Software

Breeding goals and selection strategies	7-jul	13:32	13:34	Pitch	Alexandre, P.A.; Hine, B.; Samaraweera, M.; Porto-Neto, L.R.; Reverter, A.; Ingham, A.B.; Duff, C.	Validation of Angus HeiferSELECT using historical data
Breeding goals and selection strategies	7-jul	13:34	13:36	Pitch	Ehsani, A.; Storlien, H.; Pocrnic, I.; Jenko, J.; Gorjanc, G.; Melbo Tajet, H.; Obsteter, J.	Full-scale simulation of the Norwegian red dairy cattle breeding programme to enable testing future breeding directions
Breeding goals and selection strategies	7-jul	13:36	13:38	Pitch	Sarker, N.R.; Hermes, S.; Walmsley, B.J.	Improving carcass value by incorporating primal weights into beef breeding objectives
Breeding goals and selection strategies	7-jul	13:38	13:40	Pitch	Oliveira, T.P.; Pocrnic, I.; Obsteter, J.; Gorjanc, G.	A method for partitioning trends in genetic mean and variance to understand breeding practices
Breeding goals and selection strategies	7-jul	13:40	13:42	Pitch	Zhang, X.; Quinton, C.; Amer, P.	A practical approach to predicting expected response to selection with a new index
Breeding goals and selection strategies	7-jul	13:45	14:15		Amer, P.R.	Theory and tools that are needed for the design and optimization of breeding programs
Breeding goals and selection strategies	7-jul	14:15	14:30		Wellmann, R.	General properties of the optimum selection index
Breeding goals and selection strategies	7-jul	14:30	14:45		Quinton, C.D.; Byrne, T.J.; Amer, P.R.; Santos, B.F.S.	Advantages of modularisation for industry breeding objective development
Breeding goals and selection strategies	7-jul	14:45	15:00		Dehnavi, E.; Swan, A.A.	Enhancement of the Terminal Carcass Production index to incorporate birth weight and lambing ease in Australian sheep
Breeding goals and selection strategies	7-jul	15:00	15:15		Spangler, M.L.; Newman, S.; Snelling, W.M.; Golden, B.L.; Weaber, R.L.; Kuehn, L.A.; Thallman, R.M.	iGENDEC: A web-based decision support tool for economic index construction
Breeding goals and selection strategies	7-jul	15:15	15:30		Mora Fenoll, M.; Gilbert, H.; Sánchez, J.P.; David, I.; Rosa, G.J.M.; Piles, M.	Analysis of causal structure of traits involved in sow lactation feed efficiency
Bovine Dairy - Genetic evaluation methods	7-jul	13:30	13:32	Pitch	Sanjayaraj, I.; Blair, H.T.; Holroyd, S.E.; López-Villalobos, N.; Janssen, P.W.M.; MacGibbon, A.K.H.,	Breed and heterosis effects for fatty acid composition of milk from dairy cows milked once- and twice-a-day
Bovine Dairy - Genetic evaluation methods	7-jul	13:32	13:34	Pitch	Joshi, P.; Gowane, G.R.; Gupta, I.D.; Verma, A.; Alex, R.; Worku, D.	Long term effect of growth in rearing phase on reproduction and production trait in Murrah buffalo
Bovine Dairy - Genetic evaluation methods	7-jul	13:34	13:36	Pitch	Jahnel, R.E.; Reinsch, N.; Blunk, I.	Integrating Parent-of-Origin Effects in Random Regression Models for Milk Traits
Bovine Dairy - Genetic evaluation methods	7-jul	13:36	13:38	Pitch	Mejía-Melchor, E.I.; Vásquez-Peláez, C.; Ruiz-Lopez, F.J.; García-Ruiz, A.; Toledo-Alvarado, H.O.	Recombination rate and hotspots in Holstein cattle from Mexico
Bovine Dairy - Genetic evaluation methods	7-jul	13:38	13:40	Pitch	Silveira, N.F.; Aguilar, I.; Ravagnolo, O.	Longevity in genetic evaluation of Holstein cows in Uruguay
Bovine Dairy - Genetic evaluation methods	7-jul	13:40	13:42	Pitch	Lan, Y.H.; Ting, S.H.; Tu, P.A.; Lin, K.H.; Su, C.L.; Lin, E.C.	Comparison of two models for dairy herd improvement data in Taiwan
Bovine Dairy - Genetic evaluation methods	7-jul	13:42	13:44	Pitch	Kinghorn, M.G.; Ducrocq, V.; Cason, E.D.; Naser, F.W.C.	Comparison of Random Regression Test-Day Models for Production Traits of South African Jersey Cattle
Bovine Dairy - Genetic evaluation methods	7-jul	13:44	13:46	Pitch	García-Ruiz, A.; Ruiz-López, F.J.; Cortés-Hernández, J.G.	ROH describes the small holder dairy systems with Holstein cattle in Mexico
Bovine Dairy - Genetic evaluation methods	7-jul	14:00	14:15		Misztal, I.; Tsuruta, S.; Legarra, A.; Masuda, Y.; Lourenco, D.; Cesarani, A.; Aguilar, I.; Bermann, M.	How ssGBLUP became suitable for national dairy cattle evaluations

Bovine Dairy - Genetic evaluation methods	7-jul	14:15	14:30		Cesarani, A.; Vanraden, P.M.; Legarra, A.; Lourenco, D.; Misztal, I.; Nicolazzi, E.L.; Tsuruta, S.	Options for evaluating multiple breeds in a single-step GBLUP for US dairy population
Bovine Dairy - Genetic evaluation methods	7-jul	14:30	14:45		Nguyen, T.; Nieuwhof, G.; Boerner, V.	Integrating MACE breeding values into multiple-trait single step random regression test day evaluations of Aussie Reds
Bovine Dairy - Genetic evaluation methods	7-jul	14:45	15:00		Gautason, E.; Guldbandsen, B.; Sahana, G.; Berg, P.	Optimum contribution selection in a dairy cattle population with different relationship matrices
Bovine Dairy - Genetic evaluation methods	7-jul	15:00	15:15		Miles, A.M.; Vanraden, P.M.; Hutchison, J.L.	The rising popularity of embryo transfer in U.S. dairy cattle and implications for national fertility evaluations
Bovine Dairy - Genetic evaluation methods	7-jul	15:15	15:30		Burns, J.G.; Mrode, R.; Simm, G.; Eory, V.; Wall, E.	Simulating technical, economic and environmental performance of a dairy herd under selection in future climate condition
Bees and other insects (1)	7-jul	13:30	13:32	Pitch	Frost, E.A.; Banks, R.G.; Hermes, S.; Chapman, N.C.; Walkom, S.F.	Economic value and production characteristics of table honey
Bees and other insects (1)	7-jul	13:32	13:34	Pitch	Prešern, J.; Dahle, B.; Wegener, J.; Jovanovska, M.; Andonov, S.; Puškadija, Z.; Jaman, F.; Kovačić, M.; Büchler, R.; Uzunov, A.; Pavlov, B.; Aleksovski, G.	Evaluating the potential for mating control in honey bee breeding in three SE European countries (preliminary results)
Bees and other insects (1)	7-jul	13:34	13:36	Pitch	Banks, R.; Frost, E.; Chapman, N.	A model for, and early implementation of, genomic selection in the Australian honey bee population
Bees and other insects (1)	7-jul	13:36	13:38	Pitch	Taurisano, V.	An over-time distribution map of the main Apis mellifera mitochondrial DNA lineage using honey as source of eDNA
Bees and other insects (1)	7-jul	13:38	13:40	Pitch	Slater, G.P.; Harpur, B.A.	Using genomics to predict drone quality: Why are there so many 'dud' male honey bees?
Bees and other insects (1)	7-jul	13:40	13:42	Pitch	Donkpegan, A.R.M.E.L.; Boulanger, F.R.A.N.Ç.O.I.S.-X.A.V.I.E.R.; Haffray, P.I.E.R.R.I.C.K.; Guigue, A.L.E.X.A.N.D.R.A.; Rouger, R.O.M.U.A.L.D.; Brard-Fudulea, S.O.P.H.I.E.; Sourdioux, M.I.C.H.E.L.	Development of genomic resources in Black Soldier Fly (<i>Hermetia illucens</i> L.) via throughput DNA Pool Sequencing
Bees and other insects (1)	7-jul	13:42	13:44	Pitch	Guilliet, J.G.; Pollet, N.P.; Filée, J.F.; Baudouin, G.B.	The natural history of the black soldier fly, <i>Hermetia illucens</i> : insights from complete mitochondrial genome sequences.
Bees and other insects (1)	7-jul	13:45	14:00		Rikkers, R.S.C.; Bouwman, A.C.; Bastiaansen, J.W.M.; Ellen, E.D.	Impact of genetic selection in insect populations using different selection designs, a simulation study
Bees and other insects (1)	7-jul	14:00	14:15		Bouwman, A.C.; Wongso, D.; Pannebakker, B.A.; Nugroho, J.E.; Ellen, E.D.; Van Schelt, J.; Zwaan, B.J.	Genetic parameters of Black Soldier Flies estimated in full sib design
Bees and other insects (1)	7-jul	14:15	14:30		Hansen, L.S.; Bahrndorff, S.; Nielsen, H.M.; Kristensen, T.N.; Laursen, S.F.; Sørensen, J.G.; Kargo, M.; Sahana, G.	Towards selective breeding in insects - estimating genetic parameters through individual-level phenotypes and pedigree
Bees and other insects (1)	7-jul	14:30	14:45		Facchini, E.; Van Den Boer, E.; Sader, G.; Shrestha, K.; Schmitt, E.; Junes, P.; Peeters, K.	Genetic improvement program in Black Soldier Fly (<i>H. illucens</i>) for increased larval weight in industrial applications
Bees and other insects (1)	7-jul	14:45	15:00		Madoui, M.A.; Labadie, K.; Rigaud, T.; Vacherie, B.; Lefebvre, T.; Athanassiou, C.G.; Eleftheriou, E.; Moret, Y.	<i>Tenebrio molitor</i> Genomic Structure Among Available Populations
Bees and other insects (1)	7-jul	15:00	15:15		Obsteter, J.; Presern, J.; Gorjanc, G.; Marinc, A.; Wragg, D.	Inferring whole-genome tree sequences and population and demographic parameters of the Western honeybee

Challenges – Use of whole genome sequence information (2)	7-jul	16:00	16:02	Pitch	Dauben, C.M.; Henne, H.; Tholen, E.; Große-Brinkhaus, C.; Appel, A.K.	Genetic background of the porcine immune system using SNP chip data and whole genome sequencing data
Challenges – Use of whole genome sequence information (2)	7-jul	16:02	16:04	Pitch	Serrano, M.; González, C.; Moreno-García, M.; Fernández, A.; Calvo, J.H.; Martínez-Blanch, J.; Rojo-Guerra, M.	Deciphering the origins of Neolithic sheep from northern Iberian Peninsula
Challenges – Use of whole genome sequence information (2)	7-jul	16:04	16:06	Pitch	Molinero, E.; Estany, J.; Pena, R.N.; Ros-Freixedes, R.	Prioritisation of variants from whole-genome sequence data for validation of their association with traits of interest
Challenges – Use of whole genome sequence information (2)	7-jul	16:06	16:08	Pitch	Heidaritabar, M.; Bink, M.C.A.M.; Plastow, G.; Huisman, A.; Charagu, P.	Genome-wide association analyses and genomic prediction for pork meat quality traits using whole-genome sequence
Challenges – Use of whole genome sequence information (2)	7-jul	16:08	16:10	Pitch	Forutan, M.; Goddard, M.E.; Engle, B.; Hayes, B.J.	A conditional multi-trait sequence GWAS of heifer fertility in tropically adapted beef cattle
Challenges – Use of whole genome sequence information (2)	7-jul	16:10	16:12	Pitch	Moghaddar, N.; Gurman, P.M.; Van Der Werf, J.H.J.; Swan, A.A.; Li, L.	genomic prediction of purebred Merinos from an admixed terminal population using selected sequence variants
Challenges – Use of whole genome sequence information (2)	7-jul	16:12	16:14	Pitch	Arbizu, C.I.; Chávez-Galarza, J.C.; Quilcate, C.; Maicelo, J.L.; Ferro-Mauricio, R.D.; Gonzales, J.; Vásquez, H.V.; Corredor, F.A.; Poemape, C.	The complete mitochondrial genome of a Peruvian creole cattle (<i>Bos taurus</i>) and its phylogenetic analysis
Challenges – Use of whole genome sequence information (2)	7-jul	16:14	16:16	Pitch	Vargas, G.; Garzón, N.A.M.; Fernandes Júnior, G.A.; Neves, H.H.R.; Carvalheiro, R.; Fonseca, L.F.S.; Albuquerque, L.G.	Unravelling the effect of structural variants from whole-genome sequence for depigmentation in Nelore cattle
Challenges – Use of whole genome sequence information (2)	7-jul	16:30	16:45		Meuwissen, T.H.E.; Goddard, M.E.	On the advantage of identifying causal genetic variants for genomic prediction
Challenges – Use of whole genome sequence information (2)	7-jul	16:45	17:00		Ling, A.; Hartono, E.; Rekaya, R.; Hay, E.H.; Aggrey, S.E.	Fuzzy logic strategies for combining marker statistics to optimize preselection of high-density and sequence genotypes
Challenges – Use of whole genome sequence information (2)	7-jul	17:00	17:15		May, K.; Neumann, G.B.; Brockmann, G.A.; Wolf, M.J.; Korcuć, P.; König, S.	Genetic evaluations and genomic characteristics for local cattle using genome sequences, 50K and a specific SNP chip
Challenges – Use of whole genome sequence information (2)	7-jul	17:15	17:30		Ros-Freixedes, R.; Whalen, A.; Hickey, J.M.; Valente, B.D.; Johnsson, M.; Gorjanc, G.; Chen, C.Y.; Herring, W.O.	Genomic prediction using whole-genome sequence data in intensely selected pig lines
Challenges – Use of whole genome sequence information (2)	7-jul	17:30	17:45		Jang, S.; Hickey, J.M.; Herring, W.; Ros-Freixedes, R.; Lourenco, D.; Chen, C.Y.; Misztal, I.	Single and multi-breed ssGBLUP using preselected variants from whole-genome sequence data in pigs
Challenges – Use of whole genome sequence information (2)	7-jul	17:45	18:00		Wolc, A.; Lubritz, D.; Cheng, H.; Fulton, J.E.; Li, J.; Rowland, K.; Arango, J.; Settar, P.	Application of low-pass sequencing to genomic prediction of egg quality in laying hens

Developing countries	7-jul	16:00	16:02	Pitch	Kurukulasuriya, M.S.; Bandaranayake, P.C.G.; Silva, G.L.L.P.; Wijebandara, K.G.C.B.	Phylogenetic analysis of local cattle population in Northern Province of Sri Lanka
Developing countries	7-jul	16:02	16:04	Pitch	Guintard, A.; Restoux, G.; Bourguignon, L.; Ducrocq, V.	Accounting for heterogeneity of data in implementing genomic selection models applicable to crossbred cattle in India
Developing countries	7-jul	16:04	16:06	Pitch	Phem, M.; Chagunda, M.G.G.	Connections among Local Nomenclature, Phenotypes and Genetic Characteristics of Native Chickens in Cambodia: A Synthesis
Developing countries	7-jul	16:06	16:08	Pitch	Bhave, K.G.; Gaundare, Y.; Ratnakar, V.; Shirsath, T.; Joshi, S.; Potdar, V.; Joshi, A.; Swaminathan, M.; Punde, N.	Experience in creating a female Bos taurus x Bos indicus reference population under smallholder system in India
Developing countries	7-jul	16:08	16:10	Pitch	Schurink, A.; Chakraborty, R.; Nimbkar, C.; Kumar, S.; Sawhney, T.; Amer, P.	Learnings and experiences from a community-based goat breeding program in India
Developing countries	7-jul	16:10	16:12	Pitch	Samaraweera, A.M.; Boerner, V.; Van Der Werf, J.H.J.; Hermes, S.	Response to index selection for temperate dairy cattle breeds in tropical Sri Lanka
Developing countries	7-jul	16:15	16:30		Ducrocq, V.; Gibson, J.P.; Swaminathan, M.	Challenges with creation and use of female reference populations for genomic selection under Indian smallholder systems
Developing countries	7-jul	16:30	16:45		Ojango, J.M.K.; Mrode, R.; Kahumbu, S.; Lyatuu, E.; Gebreyohanes, G.; Kemp, S.; Okeyo, A.M.; Msuta, G.; Mogaka, D.; Chinyere, E.; Gibson, J.P.; Komwihangilo, D.; Meseret, S.	Bridging the gap in data from smallholder dairy systems; developing the Africa Dairy Genetic Gains (ADGG) Data platform
Developing countries	7-jul	16:45	17:00		Wurzinger, M.; Gutierrez, G.	Attitudes of Peruvian llama and alpaca farmers towards genetic improvement
Developing countries	7-jul	17:00	17:15		Amuzu-Aweh, E.N.; Lim, K.; Otsyina, H.R.; Kayang, B.B.; Dekkers, J.C.M.; Chouicha, N.; Gallardo, R.A.; Naazie, A.; Muhairwa, A.P.; Lamont, S.J.; Wang, Y.; Mushi, J.S.; Walugembe, M.; Msoffe, P.L.M.; Kelly, T.; Zhou, H.	Development of a Low-Density SNP Panel for Local Ghanaian and Tanzanian Chicken Ecotypes
Developing countries	7-jul	17:15	17:30		Silva, G.L.L.P.; Fernando, P.R.M.K.; Kurukulasuriya, M.S.; Dematawewa, C.M.B.	Combining demographic, production and molecular investigations in genetic improvements: Case study in indigenous chicken
Operational breeding programs	7-jul	16:00	16:02	Pitch	Raoul, J.; Rodriguez-Ramilo, S.T.; Elsen, J.M.; Palhière, I.	Management of undesired alleles at multiple loci for a goat breeding program
Operational breeding programs	7-jul	16:02	16:04	Pitch	Hozé, C.; Fritz, S.; Baur, A.; Boichard, D.	Prediction of gametic variance and its use in breeding programs
Operational breeding programs	7-jul	16:04	16:06	Pitch	Palhière, I.; Colleau, J.J.; Gousseau, V.	Implementing genomic management of diversity and selection in French dairy goats
Operational breeding programs	7-jul	16:06	16:08	Pitch	Antonios, S.; Astruc, J.M.; Vitezica, Z.G.; Legarra, A.; Rodríguez-Ramilo, S.T.	Partition in long-term contributions of the genetic trend of Basco-Béarnaise dairy sheep
Operational breeding programs	7-jul	16:08	16:10	Pitch	Arari, E.; Letayef, N.; Bedhiaf-Romdhani, S.; Hemdène, H.; Baazaoui, I.; Rekik, M.; Lahmer, M.; Haile, A.	Introgression of prolificacy gene in Tunisian Barbarine sheep through Marker-Assisted Selection scheme
Operational breeding programs	7-jul	16:10	16:12	Pitch	Liu, H.; Kargo, M.; Milkevych, V.; Berg, P.; Nielsen, H.M.; Sørensen, A.C.; Thomasen, J.R.; Slagboom, M.	Simulation of animal crossbreeding schemes using ADAM software

Operational breeding programs	7-jul	16:15	16:45		Kinghorn, B.P.; Baller, J.L.; Kinghorn, A.J.	A tool for comprehensive implementation of simple and complex breeding programs
Operational breeding programs	7-jul	16:45	17:00		Hassanpour, A.; Pook, T.; Simianer, H.	Beyond Scenarios - Resource optimization for dairy cattle breeding programs (MoBPSopti)
Operational breeding programs	7-jul	17:00	17:15		Mäki-Tanila, A.V.; Pietarinen, J.	Predicting the outcome of a selection scheme in maternal traits
Operational breeding programs	7-jul	17:15	17:30		Guldbrandtsen, B.	Inbreeding in circular and panmictic mating systems
Operational breeding programs	7-jul	17:30	17:45		Stock, J.; Hinrichs, D.; Bennewitz, J.; Esfandyari, H.; Wellmann, R.	Genomic Rotational Crossbreeding Including Advanced Optimum Contribution Selection Methods in Local Dairy Cattle Breeds
Operational breeding programs	7-jul	17:45	18:00		Sevillano, C.A.; Derks, M.F.L.; Van Son, M.; Harlizius, B.; Lopes, M.S.; Knol, E.F.	Allele frequency differences at epistatic QTL explain different genetic trends in number of teats in two pig lines
Bovine Dairy - Phenotype is king	7-jul	16:00	16:02	Pitch	Tarekegn, G.M.; Kronqvist, C.; Andonov, S.; Karlsson, J.; Strandberg, E.; Holtenius, K.; Berglund, B.	Candidate genomic regions for forage dry matter intake in Swedish dairy cows using single-step genome-wide association
Bovine Dairy - Phenotype is king	7-jul	16:02	16:04	Pitch	Axford, M.M.; Khansefid, M.; Pryce, J.E.; Haile-Mariam, M.	Stillbirth, dystocia and weaning rates in Australian dairy calves
Bovine Dairy - Phenotype is king	7-jul	16:04	16:06	Pitch	Williams, M.; Murphy, C.P.; Berry, D.P.; Sleator, R.D.; McCarthy, J.	The relative importance of linear type traits in determining survival increases as Holstein-Friesian dairy cows age
Bovine Dairy - Phenotype is king	7-jul	16:06	16:08	Pitch	Jayawardana, J.M.D.R.; Hickson, R.E.; Lopez-Villalobos, N.; McNaughton, L.R.	Genetic parameters of milk composition and fertility traits in cows milked once- or twice-daily in New Zealand
Bovine Dairy - Phenotype is king	7-jul	16:08	16:10	Pitch	Sullivan, T.M.; Lamers, K.; Mallard, B.A.; Sharma, A.; Karrow, N.A.; While, C.; Cánovas, A.	Identifying phenotypes to enhance stress resilience of dairy cows
Bovine Dairy - Phenotype is king	7-jul	16:10	16:12	Pitch	Nishiura, A.; Aihara, M.; Tatebayashi, R.; Sasaki, O.; Saito, Y.; Takeda, H.	Estimation of genetic correlations between predicted energy balance and milk fatty acids of Holsteins in Japan
Bovine Dairy - Phenotype is king	7-jul	16:12	16:14	Pitch	Kelly, D.N.; Evans, R.D.; Dunne, F.L.; Berry, D.P.	Associations between milk protein polymorphisms and milk production in Holstein-Friesian cows
Bovine Dairy - Phenotype is king	7-jul	16:14	16:16	Pitch	Kawakami, J.; Baba, T.; Kawahara, T.; Nakagawa, S.; Gotoh, Y.; Oka, T.; Yamaguchi, S.; Yamaguchi, S.	Genetic analysis of milking traits in Holstein cows based on automatic milking system data
Bovine Dairy - Phenotype is king	7-jul	16:16	16:18	Pitch	Durán-Alvarez, C.; Alonso Morales, R.A.; Piñero, D.; García-Ruiz, A.; Eguiarte, L.E.; Ruiz-López, F.J.	Fertility traits of Mexican Holstein cattle: genetic parameters, correlations and changes in genetic diversity over time
Bovine Dairy - Phenotype is king	7-jul	16:30	16:45		Manzanilla-Pech, C.I.V.; Andersen, T.; Stephensen, R.B.; Lassen, J.	Genetic parameters for residual feed efficiency in three dairy cattle breeds in commercial farms using 3D cameras
Bovine Dairy - Phenotype is king	7-jul	16:45	17:00		De Vries, A.; Sharma, P.; Pinedo, P.; Bliznyuk, N.; Han, Y.	Insemination values to support mating decisions under dairy heifer calf herd size constraints
Bovine Dairy - Phenotype is king	7-jul	17:00	17:15		McWhorter, T.M.; Sattler, C.G.; Tsuruta, S.; Sargolzaei, M.; Lourenco, D.; Utt, M.D.; Misztal, I.	Onset of heat stress and development of genomic predictions for heat tolerance in US Holsteins and Jerseys
Bovine Dairy - Phenotype is king	7-jul	17:15	17:30		Sánchez-Molano, E.; Tsairidou, S.; Mitchell, A.P.; Madenci, D.; Doeschl-Wilson, A.; Winters, M.; Banos, G.	Detection of genetic variability in cattle infectivity for bovine tuberculosis (bTB)
Bovine Dairy - Phenotype is king	7-jul	17:30	17:45		Stachowicz, K.; Kelleher, M.M.; Evans, R.D.; Amer, P.R.; Ring, S.C.	Dairy female fertility traits in seasonal and non-seasonal herds in Ireland

Bovine Dairy - Phenotype is king	7-jul	17:45	18:00		Ferrari, V.; Finocchiario, R.; Penasa, M.; Galluzzo, F.; Cassandro, M.; Van Kaam, J.B.C.H.M.; Marusi, M.	Genetic aspects of age at first calving in Italian Holstein dairy cows
Bees and other insects (2)	7-jul	16:00	16:02	Pitch	Hoppe, A.; Du, M.; Bernstein, R.; Bienefeld, K.	Heritability of disease resistance to chronic bee paralysis, chalkbrood and noseosis in the honeybee (<i>A.m.carnica</i>)
Bees and other insects (2)	7-jul	16:02	16:04	Pitch	Phocas, F.; Gerez, T.; Kistler, T.; Basso, B.	Genetic analysis of royal jelly production and behaviour traits of honeybees
Bees and other insects (2)	7-jul	16:04	16:06	Pitch	Petersen, G.E.L.; Fennessy, P.F.; Hely, F.S.; Dearden, P.K.	Comparison of Heritabilities and estimated Breeding Values for Three Honeybee Traits Using Dam and Animal Models
Bees and other insects (2)	7-jul	16:15	16:30		Eynard, S.E.; Agez, Y.; Guillaume, F.; Tabet, K.; Decourtye, A.; Phocas, F.; Bouchez, O.; Mahla, R.; Vignal, A.; Guichard, M.; Sann, C.; Dainat, B.; Neudischko, M.; Basso, B.; Labarthe, E.; Servin, B.; Genestout, L.; Poquet, Y.; Le Conte, Y.; Mondet, F.	Statistics for an accurate genome wide association study on Varroa resistance trait in a French honeybee
Bees and other insects (2)	7-jul	16:30	16:45		Bernstein, R.; Hoppe, A.; Du, M.; Bienefeld, K.	New approach to identify Mendelian inconsistencies between SNP and pedigree information in the honey bee
Bees and other insects (2)	7-jul	16:45	17:00		Heywood, A.; Walters, A.C.L.; Dearden, P.K.; Fennessy, P.F.; Petersen, G.E.L.	Investigation of Parental Meiotic Contribution in Honeybees (<i>Apis mellifera</i>)
Bees and other insects (2)	7-jul	17:00	17:15		Strachan, L.; Obšteter, J.; Bubnič, J.; Gorjanc, G.	SIMplyBee: Stochastic simulator of honeybee populations and breeding programmes
Bees and other insects (2)	7-jul	17:15	17:30		Kistler, T.; Basso, B.; Phocas, F.; Brascamp, E.W.; Bijma, P.	Assessment of uncertainty in direct and maternal genetic parameters estimates for honeybee colony phenotypes
Bees and other insects (2)	7-jul	17:30	17:45		Brascamp, E.W.; Veerkamp, R.F.; Rubinigg, M.; Bijma, P.	Very local genotype by environment interaction in Austrian honey bees
Plenary 5	8-jul	8:30	9:30		Yengo, L.	Discoveries and Lessons from a Genome-Wide Association Study of Human Height in >5 Million Individuals
Statistical genetics: Machine learning, deep learning and artificial intelligence	8-jul	10:00	10:02	Pitch	Peters, S.; Sinecen, M.; Kizilkaya, K.; Thomas, M.	Multivariate application of artificial neural networks for genomic prediction
Statistical genetics: Machine learning, deep learning and artificial intelligence	8-jul	10:02	10:04	Pitch	Thorsrud, J.; Holle, D.; Evans, K.; Huson, H.	Comparison of GBLUP and Machine Learning Breeding Values for Binary Disease Traits in Working Dogs
Statistical genetics: Machine learning, deep learning and artificial intelligence	8-jul	10:04	10:06	Pitch	Gjuvsland, A.B.	Predicting the polled genotype of ungenotyped animals using machine learning methods
Statistical genetics: Machine learning, deep learning and artificial intelligence	8-jul	10:06	10:08	Pitch	Shirzadifar, A.; Davoudi, P.; Hu, G.; Manafiazar, G.; Do, D.N.; Miar, Y.	A machine learning approach to classify high and low feed efficient or grower mink
Statistical genetics: Machine learning, deep learning and artificial intelligence	8-jul	10:08	10:10	Pitch	Manafiazar, G.; Basarab, J.; Li, C.; Plastow, G.; Riazi, M.; Miar, Y.; Shirzadifar, A.; Fitzsimmons, C.	A machine learning approach for predicting the most and the least feed –efficient groups in beef cattle
Statistical genetics: Machine learning, deep learning and artificial intelligence	8-jul	10:10	10:12	Pitch	Cho, E.; Kim, M.; Seo, D.; Cho, S.; Ediriweera, T.K.; Lee, J.H.	Combination of SNP markers for discrimination of a target chicken population using machine learning algorithms

Statistical genetics: Machine learning, deep learning and artificial intelligence	8-jul	10:12	10:14	Pitch	Widmer, S.; Drögemüller, C.; Seefried, F.R.; Von Rohr, P.	LASSO and SVM: an alternative approach to identify associated genome regions for simple and complex traits in cattle
Statistical genetics: Machine learning, deep learning and artificial intelligence	8-jul	10:14	10:16	Pitch	Li, J.; Pan, Z.; Fang, L.; Zhao, T.; Zhou, H.; Cheng, H.	Quantifying the functional conservation between human and pig using artificial neural networks
Statistical genetics: Machine learning, deep learning and artificial intelligence	8-jul	10:16	10:18	Pitch	Herbert, C.; Kashefifard, K.; Lenoir, G.; Ribas, C.; Flatrès-Grall, L.	Using a U-net architecture to develop an automated ultrasound images analysis method in a rabbit breeding program
Statistical genetics: Machine learning, deep learning and artificial intelligence	8-jul	10:30	11:00		Gianola, D.	Machine learning and genetic improvement of animals and plants: where are we?
Statistical genetics: Machine learning, deep learning and artificial intelligence	8-jul	11:00	11:15		Carillier-Jacquín, C.; Tusell, L.; Jacquín, L.; Deru, V.; Bouquet, A.; Gilbert, H.	Predicting pig digestibility coefficients with microbial and genomic data using machine learning prediction algorithms
Statistical genetics: Machine learning, deep learning and artificial intelligence	8-jul	11:15	11:30		Alves, A.A.C.; Breen, V.; Rosa, G.J.M.; Fernandes, A.F.A.; Hawken, R.	(Quasi) Multi-task support vector regression for whole-genome prediction of carcass traits in commercial broilers
Statistical genetics: Machine learning, deep learning and artificial intelligence	8-jul	11:30	11:45		Ni, Z.; Yu, H.; Dekkers, J.C.M.; Fernando, R.L.; Knol, E.F.	Genomic prediction of longitudinal body weights in pigs using a neural network
Statistical genetics: Machine learning, deep learning and artificial intelligence	8-jul	11:45	12:00		Maltecca, C.; Fix, J.; Shull, C.; Jiang, J.; Schwab, C.; Tiezzi, F.	Compressing Microbiota Information Using an Autoencoder to Predict Growth Traits in Swine.
Genetic diversity and inbreeding (1)	8-jul	10:00	10:02	Pitch	Visser, C.; Lashmar, S.F.	Assessing existing admixture in indigenous veld ecotypes and non-descript goat populations of Southern Africa
Genetic diversity and inbreeding (1)	8-jul	10:02	10:04	Pitch	Curik, I.; Shihabi, M.; Vostry, L.; Vostra-Vydrova, H.; Sölkner, J.	Estimation of sex chromosome inbreeding depression on milk production in cattle
Genetic diversity and inbreeding (1)	8-jul	10:04	10:06	Pitch	Van Marle-Köster, E.; Okpeku, M.; Mapholi, N.O.; Lashmar, S.F.; Muchadeyi, F.C.; Visser, C.	Assessing genomic diversity and heterozygosity-rich regions of transboundary Nguni cattle of South Africa and eSwatini
Genetic diversity and inbreeding (1)	8-jul	10:06	10:08	Pitch	Schoon, M.A.; Hiemstra, S.J.; Fernández, J.; Neuteboom, M.; Danchin-Burge, C.; Windig, J.J.	Infographics for management of inbreeding and kinship in small populations
Genetic diversity and inbreeding (1)	8-jul	10:08	10:10	Pitch	Lenstra, J.A.; And 67 Coauthors, -; Vargoaats Consortium, -	Y-chromosomal haplogroups from wild and domestic goats reveals ancient migrations and recent introgressions
Genetic diversity and inbreeding (1)	8-jul	10:10	10:12	Pitch	Cyrillo, J.N.S.G.; Carrara, E.R.; Mercadante, M.E.Z.; Silva, D.A.; Bem, R.D.; Brito, L.F.; Benfica, L.F.; Carvalheiro, R.	Characterization and Effect of Inbreeding on Growth and Reproductive Traits in Nelore Cattle
Genetic diversity and inbreeding (1)	8-jul	10:12	10:14	Pitch	Vostry, L.; Rychtarova, J.; Curik, I.; Drzaic, I.; Moravcikova, N.; Vostra-Vydrova, H.; Sölkner, J.; Margetin, M.; Hofmanova, B.; Cubric-Curik, V.; Kasarda, R.	Genomic diversity of Czech and Slovak native goat breeds
Genetic diversity and inbreeding (1)	8-jul	10:14	10:16	Pitch	Lawlor, T.J.; Tsuruta, S.; Lourenco, D.A.L.; Steyn, Y.; Masuda, Y.; Misztal, I.	Population structure of U.S. Holsteins allows for a snapshot of allele frequency changes and family specific SNPs.

Genetic diversity and inbreeding (1)	8-jul	10:16	10:18	Pitch	Illa, S.K.; Mukherjee, S.; Mukherjee, A.; Mumtaz, S.; Nath, S.	Genome-wide evaluation of runs of homozygosity in Indian Sahiwal cattle
Genetic diversity and inbreeding (1)	8-jul	10:18	10:20	Pitch	Manunza, A.; Bobbo, T.; Johansson, A.M.; Lazzari, B.; Ramirez Diaz, J.; Stella, A.; Biffani, S.; Cozzi, P.; Grøva, L.; Biscarini, F.	Following the hidden footsteps of past human migrations via the goat genome
Genetic diversity and inbreeding (1)	8-jul	10:20	10:22	Pitch	Ferenčaković, M.; Garcia, J.F.; Carvalheiro, R.; Curik, I.; Sölkner, J.	Are autozygosity estimates from imputed genotypes reliable?
Genetic diversity and inbreeding (1)	8-jul	10:22	10:24	Pitch	Trujano-Chavez, M.Z.; Pérez-Rodríguez, P.; Sánchez-Ramos, R.; Ruíz-Flores, A.	Genetic diversity and population structure for resistance to mastitis in Braunvieh cattle
Genetic diversity and inbreeding (1)	8-jul	10:24	10:26	Pitch	Ivanković, A.; Šubara, G.; Šuran, E.; Ramljak, J.; Konjačić, M.; Pećina, M.; Ivkić, Z.	Evaluation of the Istrian cattle population structure by pedigree analysis
Genetic diversity and inbreeding (1)	8-jul	10:26	10:28	Pitch	Harrison, S.J.; Honaker, C.F.; Siegel, P.B.; Lewis, R.M.	Population Dynamics of a Long-Term Selection Experiment in Chickens Divergently Selected for High or Low Body Weight
Genetic diversity and inbreeding (1)	8-jul	10:30	11:00		Woolliams, J.A.W.; Meuwissen, T.H.E.	Genetic management meets genomics
Genetic diversity and inbreeding (1)	8-jul	11:00	11:15		Januarie, D.A.; Nesor, F.W.C.; Cason, E.D.	Genetic characterization of the indigenous Sanga cattle of Namibia
Genetic diversity and inbreeding (1)	8-jul	11:15	11:30		Musa, A.A.; Reinsch, N.	Hedging genetic diversity using a similarity matrix based on Mendelian sampling
Genetic diversity and inbreeding (1)	8-jul	11:30	11:45		Peters, L.; Johnston, S.E.; Pemberton, J.M.	Genetic basis of sexually divergent early life survival in red deer (<i>Cervus elaphus</i>)
Genetic diversity and inbreeding (1)	8-jul	11:45	12:00		Strandberg, E.; Johansson, A.M.; Eriksson, S.	Changes in genomic inbreeding over half a century in Swedish Red and Swedish Holstein cattle
Methods and Tools: Breeding goals	8-jul	10:00	10:02	Pitch	Van Der Werf, J.H.J.; Clark, S.A.	Manipulating response to selection on many traits
Methods and Tools: Breeding goals	8-jul	10:02	10:04	Pitch	Gutierrez, J.P.; Ojeda-Marin, C.; Arias, K.D.; Formoso-Rafferty, N.; El-Ouazizi El-Kahia, L.; Cervantes, I.	Selection for birth weight environmental variability in mice as a model to improve animal welfare in livestock species
Methods and Tools: Breeding goals	8-jul	10:04	10:06	Pitch	Montaldo, H.H.; Lourenco, D.A.L.; Olivares, M.E.; Ruiz-López, F.J.; Chuma-Alvarez, J.L.; Lizana, C.	Sensitivity analysis for a new economic selection index for Chilean dairy cattle
Methods and Tools: Breeding goals	8-jul	10:15	10:45		Saviotto, D.; Gilbert, H.; Fortun-Lamothe, L.; Douhard, F.; Rupp, R.; Ducos, A.	Opportunities for animal genetics to foster the ecological transition of livestock farming systems
Methods and Tools: Breeding goals	8-jul	10:45	11:00		Olesen, I.; Rosendal, G.K.; Kettunen, A.; Nielsen, H.M.	Defining animal breeding objectives and strategies within the framework of Responsible Research and Innovation (RRI)
Methods and Tools: Breeding goals	8-jul	11:00	11:15		Bérodier Gomès, M.; Ducrocq, V.; Brochard, M.	On farm specific breeding goals for mating lead to higher genetic gains at herd level
Methods and Tools: Breeding goals	8-jul	11:15	11:30		Kemp, R.A.; Dekkers, J.C.M.; Thekkoot, D.M.,	A bio-economic model to estimate the economic value of sow feed intake during lactation
Methods and Tools: Breeding goals	8-jul	11:30	11:45		Walmsley, B.J.	Consequences of using different economic selection index methods on greenhouse gas emissions in beef cattle
Methods and Tools: Breeding goals	8-jul	11:45	12:00		Valasek, H.F.; Spangler, M.L.; Golden, B.L.	Impact of planning horizon length on the relative emphasis of traits in economic breeding goals
Society – Genetic solutions to achieve net zero carbon	8-jul	10:00	10:02	Pitch	Conington, J.; Tortereau, F.; Le Graverand, Q.; Johnson, P.; Jakobsen, J.; McHugh, N.; Navajas, E.; Steinheim, G.; Lambe, N.;	Strategies to mitigate greenhouse gas emissions from pasture-based sheep systems – an EU project consortium view.

emission in livestock systems					Yates, J.; Marie-Etancelin, C.; Ciappesoni, G.; Donnem, I.; McGovern, F.; McDermott, K.; Rowe, S.; Smith, E.; Farrell, L.; De Barbieri, I.; Aspeholen Aby, B.	
Society – Genetic solutions to achieve net zero carbon emission in livestock systems	8-jul	10:02	10:04	Pitch	Richardson, C.M.; Post, M.; Nieuwhof, G.J.; Hely, F.; Nguyen, T.T.T.; Amer, P.R.	Comparing measurements of product output when defining emissions intensity
Society – Genetic solutions to achieve net zero carbon emission in livestock systems	8-jul	10:04	10:06	Pitch	Gjerlaug Enger, E.; Martinsen, K.; Olsen, D.; Bonesmo, H.; Andersen-Ranberg, I.; Grindflek, E.	The genetic progress has effect on greenhouse gas emission intensities from Norwegian pork production
Society – Genetic solutions to achieve net zero carbon emission in livestock systems	8-jul	10:06	10:08	Pitch	Pineda-Quiroga, C.; Ugarte, E.; García-Rodríguez, A.; Granado-Tajada, I.; Goiri, I.	An approach to the genetic parameters of methane emission in Latxa dairy sheep
Society – Genetic solutions to achieve net zero carbon emission in livestock systems	8-jul	10:15	10:45		Rowe, S.J.; McEwan, J.C.; Hegarty, R.S.	Ameliorating the contribution of livestock to global greenhouse gas production: dream or deliverable?
Society – Genetic solutions to achieve net zero carbon emission in livestock systems	8-jul	10:45	11:00		Sepulveda, B.J.; Bolormaa, S.; Wales, W.J.; Deighton, M.H.; Knight, M.I.; Daetwyler, H.D.; Muir, S.K.; Moate, P.J.; Marett, L.C.; Pryce, J.E.; MacLeod, I.M.; Williams, R.O.; Garner, J.B.; Behrendt, R.; Cocks, B.G.	Genetically more efficient Australian dairy cows and sheep are higher emitters of methane per unit of food
Society – Genetic solutions to achieve net zero carbon emission in livestock systems	8-jul	11:00	11:15		Cromie, A.R.; Shalloo, L.; Evans, R.; Berry, D.P.; Kirk, T.; Crowley, J.	The role of livestock genetics in addressing national GHG mitigation requirements.
Society – Genetic solutions to achieve net zero carbon emission in livestock systems	8-jul	11:15	11:30		Gonzalez Recio, O.; Saborío-Montero, A.; García-Rodríguez, A.; Ugarte, E.; Gutiérrez-Rivas, M.; López-Paredes, J.; Jiménez-Montero, J.A.; Atxaerandio, R.; López-García, A.; Charfeddine, N.; Goiri, I.	Can genomics cope with a 30% reduction of methane emission from livestock in 10 years?
Society – Genetic solutions to achieve net zero carbon emission in livestock systems	8-jul	11:30	11:45		Zira, S.; Rydhmer, L.; Olsen, H.F.	Low carbon emissions in future pig production - does a new breeding goal matter?
Society – Genetic solutions to achieve net zero carbon emission in livestock systems	8-jul	11:45	12:00		Crowley, J.J.; Evans, R.D.; Crosson, P.; Berry, D.P.; Shalloo, L.; Cromie, A.R.; Herron, J.; Owens, P.	Individual animal carbon footprints in a national beef database; AniPrint 1.0
Equine	8-jul	10:00	10:02	Pitch	Hager-Theodorides, A.L.; Simpson, A.; Iliopoulou, E.; Kritikos, N.; Pappas, D.; Sdroulas, T.; Kominakis, A.; Karagianni, V.	Genetic analysis of three horse breeds of Greece
Equine	8-jul	10:02	10:04	Pitch	Mantovani, R.; Tuliozi, B.; Pigozzi, G.; Mancin, E.; Gomez Proto, G.; Sartori, C.	Genetics of new conformation traits in Italian Heavy Draught Horse foals

Equine	8-jul	10:04	10:06	Pitch	Rodríguez-Ramilo, S.T.; Fernández, J.; Valera, M.; Bartolomé, E.	Effects of selection on breed composition of the Spanish Sport Horse population
Equine	8-jul	10:06	10:08	Pitch	Ricard, A.; Dumont Saint Priest, B.; Deretz, S.	Early selection criteria for improved longevity of jumping horses
Equine	8-jul	10:15	10:45		Mikko, S.C.M.	Recent advances in genomics of equine health, welfare and performance
Equine	8-jul	10:45	11:00		Crichan, H.; Goulas, E.; Addes, M.; Engler, C.; Dhome-Pollet, S.; Ricard, A.	Microsatellite alleles imputation from SNP genotypes for parental verification in sport
Equine	8-jul	11:00	11:15		Kühn, C.; Wobbe, M.; Stock, K.F.; Reents, R.; Lehner, S.; Alkoder, H.; Thaller, G.; Von Depka Prondzinski, M.; Vosgerau, S.; Kalm, E.; Nolte, W.; Tetens, J.; Krattenmacher, N.	Equine parentage control: Bridging the gap from a microsatellite to a SNP based approach
Equine	8-jul	11:15	11:30		Ablondi, M.; Mikko, S.; Eriksson, S.	Haplotype blocks and heterozygosity rich regions on ECA2 in Swedish Warmblood horses
Equine	8-jul	11:30	11:45		Wobbe, M.; Liu, Z.; Tetens, J.; Reents, R.; Krattenmacher, N.; Stock, K.F.; Alkoder, H.; Kühn, C.; Kalm, E.; Vosgerau, S.; Thaller, G.; Nolte, W.; Von Depka-Prondzinski, M.	Single step genomic evaluation for horses based on a multi-breed reference population
Equine	8-jul	11:45	12:00		Chapard, L.; Janssens, S.; Buys, N.	Methodology to integrate pedigrees of two Belgian Warmblood studbooks and its importance for genetic evaluation
Lunch seminar: BIOSEARCH Technologies	8-jul	12:00	13:30			
Statistical genetics: GWAS (1)	8-jul	13:30	13:32	Pitch	Lu, D.; Miller, S.; Garcia, A.; Retallick, K.	Haplotypes affecting pulmonary arterial pressure in Angus cattle
Statistical genetics: GWAS (1)	8-jul	13:32	13:34	Pitch	Schneider, H.; Tetens, J.; Bennewitz, J.; Segelke, D.; Thaller, G.	Detection of shared genomic regions between production and health traits in German Holstein cattle.
Statistical genetics: GWAS (1)	8-jul	13:34	13:36	Pitch	Kenny, D.; Murphy, C.P.; Berry, D.P.; Sleator, R.D.; Evans, R.D.	Detecting the presence of genomic imprinting for carcass traits in cattle using imputed high-density genotypes
Statistical genetics: GWAS (1)	8-jul	13:36	13:38	Pitch	Marie-Etancelin, C.; Rupp, R.; Buitenhuis, A.J.; Meynadier, A.; Allain, C.; Martinez Boggio, G.	Evidence of genetic links between rumen bacteria and milk somatic cell score in Lacaune dairy sheep
Statistical genetics: GWAS (1)	8-jul	13:45	14:00		Rowan, T.N.; Decker, J.E.; Schnabel, R.D.	Leveraging GWAS models to map selection on complex traits in massive datasets
Statistical genetics: GWAS (1)	8-jul	14:00	14:15		Sahana, G.; Thomsen, B.; Wu, X.; Cai, Z.	Fine-mapping young-stock survival QTL on chromosome 6 in Nordic Red Dairy Cattle
Statistical genetics: GWAS (1)	8-jul	14:15	14:30		Tan, W.L.A.; Reverter, A.; Porto-Neto, L.R.; Fortes, M.R.S.	Multibreed sequence level genome-wide association study of semen traits in tropical Australian cattle
Statistical genetics: GWAS (1)	8-jul	14:30	14:45		Korkuc, P.; Arends, D.; May, K.; Neumann, G.B.; Brockmann, G.A.; Wolf, M.J.; König, S.	Improved genome-wide associations using a breed-specific 200K SNP chip for German Black Pied (DSN) cattle
Statistical genetics: GWAS (1)	8-jul	14:45	15:00		Araujo, A.C.; Alvarenga, A.B.; Miller, S.P.; Carneiro, P.L.S.; Brito, L.F.; Oliveira, H.R.; Retallick, K.	Haplotype-based single-step GWAS for yearling temperament in American Angus
Statistical genetics: GWAS (1)	8-jul	15:00	15:15		Freitas, P.H.F.; Wen, H.; Schinckel, A.P.; Byrd, M.K.; Johnson, J.S.; Huang, Y.; Maskal, J.M.; Brito, L.F.; Tiezzi, F.	Genome-wide association analyses for various thermotolerance indicators measured during lactation in maternal-line pigs

Statistical genetics: GWAS (1)	8-jul	15:15	15:30		Desire, S.; Ros-Freixedes, R.; Hickey, J.; Herring, W.; Johnsson, M.; Mellanby, R.J.; Chen, C.; Jungnickel, M.; Gorjanc, G.	Investigation of GWAS variants associated with loin depth in commercial pigs
Genetic diversity and inbreeding (2)	8-jul	13:30	13:32	Pitch	Soma, P.O.; Scholtz, M.M.; Kooverjee, B.B.	Runs of Homozygosity in Nguni and Bonsmara cattle populations
Genetic diversity and inbreeding (2)	8-jul	13:32	13:34	Pitch	Rekaya, R.; Toghiani, S.; Hartono, E.; Ling, A.; Hay, E.; Sumreddee, P.; Aggrey, S.	Estimation of old and new inbreeding and their effects on growth traits using pedigree and genomic information
Genetic diversity and inbreeding (2)	8-jul	13:34	13:36	Pitch	Monau, P.I.; Nsoso, S.J.; Raphaka, K.	Genome wide characterisation of runs of homozygosity on the main indigenous goat breed of Botswana
Genetic diversity and inbreeding (2)	8-jul	13:36	13:38	Pitch	Silva, M.V.G.B.; MacHado, M.A.; Carolino, I.; Verardo, L.L.; Panetto, J.C.C.; Carolino, N.	Candidate genes for disease, reproduction and meat quality traits in Portuguese native breeds
Genetic diversity and inbreeding (2)	8-jul	13:38	13:40	Pitch	Palma-Vera, S.E.; Fickel, J.; Reinsch, N.; Derežanin, L.; Schön, J.; Reyer, H.; Henne, H.	Runs of Homozygosity harbour genes associated with muscle growth in Pietrain but not with fertility in Large White pigs
Genetic diversity and inbreeding (2)	8-jul	13:40	13:42	Pitch	Falchi, L.; Cesarani, A.; Portolano, B.; Mastrangelo, S.; MacCiotta, N.P.P.; Senczuk, G.; Pilla, F.	Analysis of Runs of Homozygosity of cattle living in different climate zones
Genetic diversity and inbreeding (2)	8-jul	13:42	13:44	Pitch	Schiavo, G.; Ribani, A.; Cappelloni, M.; Bovo, S.; Fontanesi, L.; Tinarelli, S.; Gallo, M.	The genomic inbreeding trend over the last 25 years in three Italian pig breeds
Genetic diversity and inbreeding (2)	8-jul	13:44	13:46	Pitch	Tenhunen, S.; Sørensen, L.P.; Berg, P.; Thomasen, J.R.; Aamand, G.P.; Kargo, M.	Inbreeding and coancestry trends in Nordic Holstein
Genetic diversity and inbreeding (2)	8-jul	13:46	13:48	Pitch	Sarviaho, K.; Martikainen, K.; Uimari, P.	Effect of genomic selection on genetic variability in chromosomal level in the Finnish Ayrshire
Genetic diversity and inbreeding (2)	8-jul	13:48	13:50	Pitch	Drzaic, I.; Vostrý, L.; Mikulec, N.; Orehovački, V.; Curik, I.; Cubric-Curik, V.	Genomic diversity of two indigenous Croatian goat breeds
Genetic diversity and inbreeding (2)	8-jul	13:50	13:52	Pitch	Díaz, C.; Carabaño, M.J.; Ramon, M.; Fernandez-Santos, M.R.; Rubio-De Juan, A.	Consequences on the genome homozygosity of breeding program decisions to improve milk production in Manchega dairy sheep
Genetic diversity and inbreeding (2)	8-jul	14:00	14:15		Goddard, M.E.	Heterosis can be explained by thousands of partially recessive, deleterious mutations with very small effects
Genetic diversity and inbreeding (2)	8-jul	14:15	14:30		Ballan, M.; Schiavo, G.; Negrini, R.; Bovo, S.; Schiavitto, M.; Fontanesi, L.	Signatures of selection and runs of homozygosity in the genome of several fancy and meat rabbit breeds
Genetic diversity and inbreeding (2)	8-jul	14:30	14:45		Steyn, Y.; Tsuruta, S.; Legarra, A.; Lawlor, T.J.; Misztal, I.; Masuda, Y.; Lourenco, D.A.L.	Investigating genetic redundancy as a source of genetic diversity and adaptability in the U.S. Holstein breed
Genetic diversity and inbreeding (2)	8-jul	14:45	15:00		Rafter, P.; McDermott, K.; McHugh, N.; Berry, D.P.	Inbreeding depression and heterosis for live-weight and carcass traits in purebred and crossbred sheep
Genetic diversity and inbreeding (2)	8-jul	15:00	15:15		Neumann, G.B.; Arends, D.; May, K.; Korkuč, P.; Brockmann, G.A.; Wolf, M.J.; König, S.	Phylogenetic analysis and nucleotide diversity of 69 cattle breeds including German Black Pied cattle using WGS
Genetic diversity and inbreeding (2)	8-jul	15:15	15:30		Druet, T.; Gautier, M.; Flori, L.	Partitioning of autozygosity in different age-based classes in cattle populations with different demographic histories
Porcine (1)	8-jul	13:30	13:32	Pitch	Lee, S.S.; Chang, H.K.; Alam, M.; Choi, T.J.	Estimation of Genetic Parameters and Trends of Reproduction Traits of Korean Landrace and Yorkshire Pigs
Porcine (1)	8-jul	13:32	13:34	Pitch	Okamura, T.; Nishio, M.; Satoh, M.; Ishii, K.; Fukuzawa, Y.; Ogawa, S.; Arakawa, A.; Takahashi, H.	Genetic parameter estimates of heat tolerance in number of born alive in Landrace, Large White, and Duroc pigs

Porcine (1)	8-jul	13:34	13:36	Pitch	Srihi, H.; Casellas, J.; Negro, S.; Hernández, P.; Ibañez-Escriche, N.; Varona, L.; Vázquez-Gómez, M.; Noguera, J.L.; Rosas, J.P.; Martín De Hijas, M.	Bayesian analysis of paternal and maternal gametic effects in a Reciprocal Cross between two Iberian varieties
Porcine (1)	8-jul	13:36	13:38	Pitch	Ogawa, S.; Tomiyama, M.; Kimata, M.; Satoh, M.	Heritabilities and genetic correlations of litter traits at farrowing and semen production traits in Duroc pigs
Porcine (1)	8-jul	13:38	13:40	Pitch	Große-Brinkhaus, C.; Friedrichs, M.; Kröhl, Z.M.; Tholen, E.	Genomic analysis of quality and morphological sperm parameters in Piétrain breeding boars
Porcine (1)	8-jul	13:40	13:42	Pitch	Sarlo Davila, K.M.; Ma, W.; Sang, Y.; Miller, L.C.	Differential expression in the porcine thymus upon infection by PRRSV, Influenza B or their coinfection
Porcine (1)	8-jul	13:42	13:44	Pitch	Poulsen, B.G.; Lourenco, D.; Leite, N.G.	Genetic associations between survival at different parities in commercial crossbred sows
Porcine (1)	8-jul	13:44	13:46	Pitch	Guo, X.; Henryon, M.; Sørensen, A.C.; Ostersen, T.	Piglet Survival is lowly heritable in DanBred Landrace pigs
Porcine (1)	8-jul	13:46	13:48	Pitch	Su, G.; Christensen, O.F.; Nielsen, B.; Liu, T.; Lund, M.S.	Feasibility of reducing mortality of pigs from birth to slaughter by genetic selection
Porcine (1)	8-jul	13:48	13:50	Pitch	Sharif-Islam, M.; Henryon, M.; Wood, B.J.; Van Der Werf, J.H.J.; Chu, T.T.; Hermesch, S.	Genotyping dead animals improves post-weaning survival of pigs in breeding programs
Porcine (1)	8-jul	14:00	14:15		Chase-Topping, M.E.; Dekkers, J.; Opriessnig, T.; Gerdt, V.; Plastow, G.; Harding, J.; Fang, Y.; Doeschl-Wilson, A.; Van Kessel, J.	GBP5 PRRSV resistance gene had no effect on pigs' infectivity or susceptibility in a trial simulating natural infections
Porcine (1)	8-jul	14:15	14:30		Bovo, S.; Fanelli, F.; Casadio, R.; Galimberti, G.; Bertolini, F.; Fontanesi, L.; Schiavo, G.; Martelli, P.L.; Gallo, M.; Ribani, A.; Pagotto, U.; Dall'olio, S.; Utzeri, V.J.	Unravelling the genetic basis governing the porcine metabolism
Porcine (1)	8-jul	14:30	14:45		Vargovic, L.; Hermesch, S.; Bunter, K.L.	The value of innate sow appetite as a model trait for maternal breeding objectives
Porcine (1)	8-jul	14:45	15:00		Van Son, M.; Lopes, M.S.; Harlizius, B.; Derks, M.F.L.; Sevillano, C.A.; Grindflek, E.	Genomic regions associated with backfat thickness show pleiotropic effect on osteochondrosis in pig
Porcine (1)	8-jul	15:00	15:15		Ostensen, T.; Guo, X.; Su, G.; Henryon, M.; Christensen, O.F.; Sørensen, A.C.	Non-genetic correlations between production traits and litter traits in pigs are important to account for
Porcine (1)	8-jul	15:15	15:30		Henryon, M.; Guo, X.; Sørensen, A.C.; Ostersen, T.; Su, G.	Breeding for component traits of litter size at day 5 increases piglet survival while maintaining litter size at day 5
Novel traits: Environment and greenhouse gas (1)	8-jul	13:30	13:32	Pitch	Zetouni, L.; Kar, S.K.; Schokker, D.; Roques, S.; De Haas, Y.; Aldridge, M.	Can ruminal microbial information help improve selection for low-methane emitting dairy cows?
Novel traits: Environment and greenhouse gas (1)	8-jul	13:32	13:34	Pitch	Johansen, K.; Bjerring, M.; Buitenhuis, A.J.; Kargo, M.; Løvendahl, P.	Phenotypic differences and genetic parameters for methane concentration in BeefxDairy crossbred slaughtercalves
Novel traits: Environment and greenhouse gas (1)	8-jul	13:34	13:36	Pitch	Atashi, H.; Vanderick, S.; Soyeurt, H.; Wilmot, H.; Hubin, X.; Gengler, N.	Genome-wide association study for mid-infrared methane predictions in Walloon dairy cows
Novel traits: Environment and greenhouse gas (1)	8-jul	13:36	13:38	Pitch	Ciappesoni, G.; Velazco, J.; De Barbieri, I.; Navajas, E.A.; Marques, C.B.	Genetic parameters for feed efficiency, gas emissions, oxygen consumption and wool traits in Australian Merino
Novel traits: Environment and greenhouse gas (1)	8-jul	13:45	14:15		Navajas, E.A.; De Barbieri, I.; Ciappesoni, G.; Peraza, P.; Aguilar, I.; Ravagnolo, O.; Velazco, J.I.; Vera, B.; Pravia, M.I.; Marques, C.B.; Lema, M.O.	Genetic selection of feed efficiency and methane emissions in sheep and beef in Uruguay: progress and limitations

Novel traits: Environment and greenhouse gas (1)	8-jul	14:15	14:30		Bilton, T.P.; Hess, M.K.; Bain, W.; McEwan, J.C.; Baird, H.; Bryson, B.; Amyes, N.; Watson, T.; Jordan, R.; Veenvliet, B.; Dodds, K.G.; Henry, H.; Peers-Adams, J.; Hickey, S.M.; Pile, G.; Rowe, S.J.; Van Stijn, T.; Hess, A.S.; Johnson, P.; Sandoval, E.	Breeding for lowered methane emissions using rumen microbial profiles in sheep
Novel traits: Environment and greenhouse gas (1)	8-jul	14:30	14:45		Pszczola, M.; Strabel, T.	Do we estimate dairy cows' methane production precisely enough?
Novel traits: Environment and greenhouse gas (1)	8-jul	14:45	15:00		Heringstad, B.; Winnberg, K.; Difford, G.F.; Norberg, E.; Wethal, K.B.	Heritability of methane emission in Norwegian Red cows based on measures from GreenFeed in commercial herds
Novel traits: Environment and greenhouse gas (1)	8-jul	15:00	15:15		Van Breukelen, A.E.; Veerkamp, R.F.; Sebek, L.B.; Aldridge, M.N.; Koning, L.; De Haas, Y.	Heritability and genetic correlations of enteric methane emissions of dairy cows measured by sniffers and GreenFeed
Novel traits: Environment and greenhouse gas (1)	8-jul	15:15	15:30		Jakobsen, J.H.; Linneflaatten, L.-B.; Wallin, L.E.; Blichfelct, T.; Gløersen, M.O.; McEwan, J.C.	Methane emission has low genetic correlations to lamb growth traits in Norwegian White sheep
Avian (1)	8-jul	13:30	13:32	Pitch	Psfidi, A.; Dadousis, C.; Joshi, C.G.; Guitian, J.; Crotta, M.; Hinsu, A.T.; Koringa, P.G.; Fosso, B.; Pandit, R.J.; Blake, D.P.; Dai, X.; Tomley, F.M.; Limon, G.	Genome-wide association studies of chicken caecal microbiota
Avian (1)	8-jul	13:32	13:34	Pitch	Haas, V.; Camarinha-Silva, A.; Vollmar, S.; Bennewitz, J.	Breeding for an optimised gut microbiota composition for the improvement of phosphorus utilisation in Japanese quail
Avian (1)	8-jul	13:34	13:36	Pitch	Ediriweera, T.K.; Cho, E.; Cho, S.; Manjula, P.; Kim, M.; Lee, J.H.	High-resolution genotyping and analysis of in-silico predicted proteins for classical MHC genes in Korean native chicken
Avian (1)	8-jul	13:36	13:38	Pitch	Kanlisi, R.A.; Walugembe, M.; Zhou, H.; Gallardo, R.; Otsyina, H.R.; Amuzu-Aweh, E.N.; Lamont, S.; Kelly, T.R.; Naazie, A.; Kayang, B.B.; Dekkers, J.; Chouicha, N.	Genetic architecture of body weight and carcass traits in Ghanaian local chickens
Avian (1)	8-jul	13:45	14:00		Romé, H.; Marois, D.; Madsen, P.; Chu, T.T.; Huang, C.H.; Jensen, J.	Estimating environmental direct-maternal covariance in real data – illustration on broilers
Avian (1)	8-jul	14:00	14:30		Aggrey, S.E.	Host transcriptome response of meat-type chickens infected with Eimeria maxima and reared under heat stress environment
Avian (1)	8-jul	14:30	14:45		Richter, J.; Breen, V.; Misztal, I.; Hidalgo, J.; Hawken, R.; Lourenco, D.	Changes in genetic parameters for traits under genomic selection in poultry
Avian (1)	8-jul	14:45	15:00		Ledur, M.C.; Dal Pizzol, M.S.; Cantão, M.E.; Morés, M.A.Z.; Peixoto, J.O.; Coldebella, A.; Ibelli, A.M.G.; Fernandes, L.T.; Tavernari, F.C.	effects of age, line and diet on the occurrence of white striping lesions in broiler breast muscle
Avian (1)	8-jul	15:00	15:15		Rochus, C.M.; Baes, C.F.; Wood, B.J.	Variation in male autosomal recombination in turkeys (Meleagris gallopavo)
Avian (1)	8-jul	15:15	15:30		Zhou, H.; An, L.; Guan, D.; Wang, Y.; Cheng, H.H.; Bi, Y.; Pan, Z.; Delany, M.	Functional annotations of regulatory elements in the chicken genome
Statistical genetics: GWAS (2)	8-jul	16:00	16:02	Pitch	Tarsani, E.; Matika, O.; Rae, A.; Desire, S.; Watson, K.A.; McIntosh, K.; Kranis, A.	Multivariate GWAS revealed a critical region on chromosome 4 for developmental and feather growth traits in ducks
Statistical genetics: GWAS (2)	8-jul	16:02	16:04	Pitch	Reding, J.J.; Berry, D.P.; Van Der Westhuizen, R.R.; Van Marle-Koster, E.	Investigation of genes associated with maternal weaning weight in South African Bonsmara beef cattle
Statistical genetics: GWAS (2)	8-jul	16:04	16:06	Pitch	Szyda, J.; Żarnecki, A.; Jagusiak, W.; Kosińska-Selbi, B.; Jakimowicz, M.; Suchocki, T.; Morek-Kopeć, M.	Genome-wide genomic and functional association study for workability and calving traits in Holstein cattle

Statistical genetics: GWAS (2)	8-jul	16:06	16:08	Pitch	Lee, D.J.; Kang, J.M.; Chung, Y.J.; Lee, D.H.; Kim, Y.K.; Lee, S.H.	Genomic region-specific association test identifies new loci for carcass traits in Hanwoo (Korean native cattle)
Statistical genetics: GWAS (2)	8-jul	16:08	16:10	Pitch	Silva, T.L.; Fonseca, P.A.S.; Teixeira, C.S.; Vargas, G.; Gondro, C.; Carvalheiro, R.; Carvalho Filho, I.; Da Silva, D.A.; Albuquerque, L.G.; Neves, H.H.R.	Genetic mechanisms underlying feet and legs malformation in Nelore cattle: prioritization of GWAS results
Statistical genetics: GWAS (2)	8-jul	16:10	16:12	Pitch	Alkalaldehy, M.; Podtar, V.; Dhanikachalam, V.; Swaminathan, M.; Gibson, J.; Jhadav, S.; Joshi, A.	Genome-wide Association Studies for Milk Yield in Bos taurus X Bos indicus Crossbred Cattle in India
Statistical genetics: GWAS (2)	8-jul	16:12	16:14	Pitch	Wittenburg, D.; Klosa, J.	Grouping of highly correlated variables improves performance of genomic evaluations
Statistical genetics: GWAS (2)	8-jul	16:14	16:16	Pitch	López-Carbonell, D.; Altarriba, J.; Varona, L.; Ramírez, M.; Srihi, H.	A Monte-Carlo approximation of the null hypothesis for genome wide association using the windows variance approach
Statistical genetics: GWAS (2)	8-jul	16:30	16:45		Escouflaire, C.; Baur, A.; Capitan, A.; Boichard, D.; Hozé, C.; Sanchez, M.P.; Fritz, S.	Sequence-based association analyses on X chromosome in six dairy cattle breeds
Statistical genetics: GWAS (2)	8-jul	16:45	17:00		Rezende, F.M.; Leal-Gutiérrez, J.D.; Johnson, D.D.; Rodriguez, E.; Mateescu, M.G.; Elzo, M.E.; Carr, C.	Pleiotropic effects on carcass and meat quality traits in crossbred beef cattle
Statistical genetics: GWAS (2)	8-jul	17:00	17:15		Gualdrón Duarte, J.L.; Costa Monteiro Moreira, G.; Charlier, C.; Gori, A.S.; Georges, M.; Druet, T.	Sequence-based multi-trait genome-wide association study for linear classification traits in Belgian Blue beef cattle
Statistical genetics: GWAS (2)	8-jul	17:15	17:30		Blaj, I.; Bennewitz, J.; Falker-Gieske, C.; Tetens, J.; Thaller, G.	Integrating imputed structural variants and tandem repeats in a GWAS for growth and carcass traits in F2 pig crosses
Statistical genetics: GWAS (2)	8-jul	17:30	17:45		Nosková, A.; Kadri, N.K.; Hofer, A.; Mehrotra, A.; Neuenschwander, S.; Pausch, H.	Detecting QTL for two lowly correlated traits using multi-trait and meta-analysis approaches in Swiss Large White pigs
Statistical genetics: GWAS (2)	8-jul	17:45	18:00		De Los Campos, G.; Valente, B.; Herring, W.; Samaddar, A.; Chen, C.-Y.; Grueneberg, A.	A Forward Algorithm to Identify Credible Sets in Bayesian Variable Selection Models
Genetic diversity and inbreeding: Genebanking	8-jul	16:00	16:02	Pitch	Boettcher, P.J.; Baumung, R.; Kantanen, J.; Colli, L.; Ajmone-Marsan, P.; Lenstra, J.A.; Honkatukia, M.; Boes, J.; Leroy, G.; Ginja, C.	New FAO guidelines for the management of animal genetic resources
Genetic diversity and inbreeding: Genebanking	8-jul	16:02	16:04	Pitch	Danchin, C.; Duclos, D.; Hiemstra, S.J.; Schoon, M.; Bojkovski, D.; Tixier-Boichard, M.; Neuteboom, M.; Tejerina Ampudia, F.	Genebanks for Animal Genetic Resources in Europe: Quality Management System as a tool to improve their operation
Genetic diversity and inbreeding: Genebanking	8-jul	16:04	16:06	Pitch	Amaral, A.J.; Leitão, A.; Gama, L.T.; Santos, D.; Cordeiro, J.M.; Sá, P.	Genetic characterization of endangered indigenous pigs of Angola
Genetic diversity and inbreeding: Genebanking	8-jul	16:06	16:08	Pitch	Srikanth, K.; Jaafar, M.A.; Huson, H.J.; Neupane, M.; Blackburn, H.D.; Wolfe, C.W.; Van Tassell, C.P.	Genetic diversity and inbreeding in US Jersey population and germplasm collection
Genetic diversity and inbreeding: Genebanking	8-jul	16:15	16:30		Blackburn, H.D.	Development and utilization of the United States gene bank collection
Genetic diversity and inbreeding: Genebanking	8-jul	16:30	16:45		Tixier-Boichard, M.; Duclos, D.; Gonzalez Prendes, R.; Monteagudo, L.; Peynot, N.; Restoux, G.; Delgado, J.V.; Weigend, S.; Crooijmans, R.; Martinez Martinez, A.	Mapping genetic diversity in European gene banks: preliminary results on chickens for the validation of IMAGE001 array
Genetic diversity and inbreeding: Genebanking	8-jul	16:45	17:00		Nielsen, H.M.; Kargo, M.	Conservation of an endangered pig breed using optimum contribution selection
Genetic diversity and inbreeding: Genebanking	8-jul	17:00	17:15		Jacques, A.; Danchin-Burge, C.; Tixier-Boichard, M.; Duclos, D.; Mercat, M.J.; Restoux, G.	IDI: an index to assess the usefulness of cryopreserved collections for the management of animal genetic diversity

Genetic diversity and inbreeding: Genebanking	8-jul	17:15	17:30		Slagboom, M.; Liu, H.; Kargo, M.; Milkevych, V.; Thomasen, J.R.; Schmidtmann, C.	Conservation through utilization in German Red and White dual-purpose cattle
Genetic diversity and inbreeding: Genebanking	8-jul	17:30	17:45		Reimer, C.; Geibel, J.; Weigend, S.; Pook, T.	Genetic rescue of small populations in the presence of deleterious variation
Genetic diversity and inbreeding: Genebanking	8-jul	17:45	18:00		Leroy, G.; Danchin-Burge, C.; Baumung, R.; Hiemstra, S.J.; Blackburn, H.; Boettcher, P.; Tejerina Ampudia, F.; Ligda, C.	Genebank collections in relation to risk status in livestock species
Porcine (2)	8-jul	16:00	16:02	Pitch	Markey, A.; Gengler, N.; Burgeon, C.	Phenotyping strategies for an efficient and holistic approach to reduced boar taint through genomic selection
Porcine (2)	8-jul	16:02	16:04	Pitch	Breuer, S.A.; Kerr, B.J.; Chinchilla-Vargas, J.; Stalder, K.J.	Genome-wide association study for oxidative stress indicators in replacement gilts
Porcine (2)	8-jul	16:04	16:06	Pitch	Larzul, C.; Hassenfratz, C.; Boulot, S.; Comte, R.; Mercat, M.J.; Louveau, I.; Carillier-Jacquin, C.; Prunier, A.; Blanchet, B.	Genetic determinism of boar taint in the French Landrace pig breed
Porcine (2)	8-jul	16:06	16:08	Pitch	Bolner, M.; Bovo, S.; Fontanesi, L.; Ballan, M.; Schiavo, G.	A comprehensive overview of mitochondrial DNA insertions in the nuclear genome of the pig
Porcine (2)	8-jul	16:08	16:10	Pitch	Cieleń, G.; Lopes, M.S.; Knol, E.F.; Sell-Kubiak, E.	To Box-Cox or not to Box-Cox: phenotypic and genomic evaluation of litter size variability in Landrace pigs
Porcine (2)	8-jul	16:10	16:12	Pitch	Núñez, P.; Reixach, J.; Gol, S.; Ibáñez-Escriche, N.	Genetic parameters of feeding behaviour and feed efficiency traits in Pietrain.
Porcine (2)	8-jul	16:12	16:14	Pitch	Huisman, A.E.; Bink, M.C.A.M.; Iheshiulor, O.O.M.; Vila, J.	Genetic analysis of hoof colour in Duroc pigs
Porcine (2)	8-jul	16:14	16:16	Pitch	See, G.M.; Schwab, C.R.; Fix, J.S.; Spangler, M.L.	Filling information gaps in swine crossbreeding schemes by imputing non-genotyped F1 animals to improve genetic gain
Porcine (2)	8-jul	16:16	16:18	Pitch	Kasper, C.; Roch, L.; Couteller, L.	Distinctive gene-expression profiles characterise tail-biting precursors in pigs under dietary protein restriction
Porcine (2)	8-jul	16:18	16:20	Pitch	Muñoz, M.; Gómez, G.; Matos, G.; García-Casco, J.M.	Analyses of heat stress effects on the farrowing rate of Iberian sows
Porcine (2)	8-jul	16:20	16:22	Pitch	Estany, J.; Pena, R.N.; Ros-Freixedes, R.; Fraile, L.J.; Laplana, M.	Whole-genome screening for resilience against PRRSV outbreaks in breeding sows
Porcine (2)	8-jul	16:30	16:45		Bhatia, V.; Cheng, J.; Rogel-Gaillard, C.; Dyck, M.K.; Mallard, B.; Piggen Canada; Schmied, J.; Field, C.J.; Harding, J.C.S.; Bai, X.; Blanc, F.; Plastow, G.S.; Fortin, F.; Dekkers, J.C.M.	Genetic relationships among immune response traits of young healthy pigs evaluated by immunoassays
Porcine (2)	8-jul	16:45	17:00		Laghouaouta, H.; Ros-Freixedes, R.; Laplana, M.; Pena, R.N.; Fraile, L.	Sequencing-based genome-wide association study for resilience indicators in growing pigs
Porcine (2)	8-jul	17:00	17:15		Iversen, M.W.; Enger, E.G.	First parity indicator traits for longevity in crossbred sows
Porcine (2)	8-jul	17:15	17:30		Schmid, M.; Berghaus, D.; Camarinha-Silva, A.; Sarpong, N.; Weishaar, R.; Bennewitz, J.; Seifert, J.; Haese, E.; Rodehutschord, M.; Kurz, A.	protiPig: Genomic analyses of traits related to nitrogen utilisation efficiency in pigs.
Porcine (2)	8-jul	17:30	17:45		Bonfatti, V.; Carnier, P.; Faggion, S.	Genomic prediction of ham weight loss during dry-curing in heavy pigs
Porcine (2)	8-jul	17:45	18:00		Brinke, I.; Roth, K.; Schiefler, I.; Große-Brinkhaus, C.; Pröll-Cornelissen, M.J.; Tholen, E.	Meta-analyses for boar taint compounds in two purebred maternal lines and Piétrain-sired crosses

Novel traits: Environment and greenhouse gas (2)	8-jul	16:00	16:02	Pitch	Gilbert, H.; Hermes, S.; Soleimani, T.	Life cycle assessment to predict individual environmental impacts: towards selection for sustainable pig production
Novel traits: Environment and greenhouse gas (2)	8-jul	16:02	16:04	Pitch	Tiezzi, F.; Benzoni, L.; Marusi, M.; Finocchiaro, R.; Cassandro, M.; Van Kaam, J.B.C.H.M.; Bozzi, R.	Genetic parameters for growth, feed intake and greenhouse gasses emissions in Italian Holstein-Friesian bulls.
Novel traits: Environment and greenhouse gas (2)	8-jul	16:04	16:06	Pitch	De Barbieri, I.; Gimeno, D.; Ciappesoni, G.; Velazco, J.I.; Navajas, E.A.	Association of genetic resistance to internal nematodes and production traits on feed efficiency and methane emissions
Novel traits: Environment and greenhouse gas (2)	8-jul	16:06	16:08	Pitch	Honerlagen, H.; Segelke, D.; Wimmers, K.; Ponsuksili, S.; Reyer, H.; Kuhla, B.; Oster, M.; Trakooljul, N.	Ruminal background of predisposed milk urea (MU) concentration in Holsteins
Novel traits: Environment and greenhouse gas (2)	8-jul	16:08	16:10	Pitch	Shi, R.; Ducro, B.; Wang, Y.; Mulder, H.A.; Lou, W.; Li, S.; Van Der Linden, A.; Oosting, S.J.	Predicting nitrogen use efficiency of individual dairy cows by mid-infrared spectra
Novel traits: Environment and greenhouse gas (2)	8-jul	16:15	16:30		Ryan, C.V.; Crowley, J.J.; Pabiou, T.; Kirwan, S.F.; Purfield, D.C.; Evans, R.D.	Clearing the air between methane and commercial beef cattle in Ireland
Novel traits: Environment and greenhouse gas (2)	8-jul	16:30	16:45		McRae, K.M.; Greer, G.J.; McEwan, J.C.; Young, E.A.; Knowler, K.J.; Hickey, S.M.; Waller, E.; Elmes, S.N.; Bryson, B.; Rowe, S.J.; Wing, J.; Bain, W.E.	The impact of selection for divergence in methane emissions on alimentary tract measures of eight-month-old sheep
Novel traits: Environment and greenhouse gas (2)	8-jul	16:45	17:00		Chepsiror, C.K.; Okeno, T.O.; Ilatsia, E.D.	Economic Values for Climate Change Responsive Traits to Develop a Sustainable Dairy Cattle Breeding Goal in the Tropics
Novel traits: Environment and greenhouse gas (2)	8-jul	17:00	17:15		Rovere, G.; Makanjuola, B.; Gondro, C.; Cuyabano, B.C.D.; Kelly, S.	Phenotypic and genetic trends in American Angus associated with climate variability
Novel traits: Environment and greenhouse gas (2)	8-jul	17:15	17:30		Bunning, H.; Wall, E.	Genetic variation in resilience to climate effects on beef carcass traits
Novel traits: Environment and greenhouse gas (2)	8-jul	17:30	17:45		Lopes, L.S.F.; Alcantara, L.; Baes, C.F.; Tulpan, D.; Houlihan, K.; Schenkel, F.S.; Oliveira Jr, G.A.; Miglior, F.	Genetic parameters for rumination time and traits related to sustainable dairy production
Novel traits: Environment and greenhouse gas (2)	8-jul	17:45	18:00		Vinet, A.; Vallée, R.; Bertuzzi, P.; Mattalia, S.; Boichard, D.; Bertrand, C.; Cuyabano, B.C.D.	Genotype by temperature-humidity index interactions on milk production and udder health traits in the Montbeliarde cows
Avian (2)	8-jul	16:00	16:02	Pitch	Kim, M.; Manjula, P.; Lee, J.H.; Yu, M.; Cho, S.; Chung, Y.; Heo, J.M.; Ediriweera, T.K.; Seo, D.; Nam, S.; Cho, E.	Time-series transcriptome analysis of broilers under Eimeria tenella infection reveals host-pathogen interactions
Avian (2)	8-jul	16:02	16:04	Pitch	Adeleke, M.A.; Blake, D.P.; Lebepe, J.; Zishiri, O.T.; Peters, S.O.; Fatoba, A.J.; Mukaratirwa, S.	Genetic diversity of Eimeria tenella apical membrane antigen 1 in chickens from KwaZulu-Natal, South Africa
Avian (2)	8-jul	16:04	16:06	Pitch	Ehsani, A.; Vaez Torshizi, R.; Masoudi, A.A.; Davoodi, P.	Chicken quantitative traits follow the omnigenic model
Avian (2)	8-jul	16:06	16:08	Pitch	Bello, S.; Zhang, S.; Zhang, X.; Popoola, M.; Ahmed, R.; Nie, Q.; Xu, H.; Zhang, D.; Adeola, A.; Aloryi, K.; Ji, C.; Zhu, W.; Bahareldin, A.	Association of polymorphism of MAP3K8 with egg production traits of white muscovy ducks (Cairina moschata)
Avian (2)	8-jul	16:15	16:30		Sallam, M.; Fleming, R.H.; Dunn, I.C.; Dominguez-Gasca, N.; Andersson, B.; Johnsson, M.; McCormack, H.A.; Rodriguez-Navarro, A.B.; Benavides, C.; Wilson, P.W.; De Koning, D.J.; Sanchez-Rodriguez, E.; Schmutz, M.	Genetic markers associated with bone quality in Rhode Island Red laying hens
Avian (2)	8-jul	16:30	16:45		Struthers, S.; Schmutz, M.; Schoenebeck, J.J.; Wilson, P.W.; Andersson, B.; Sandilands, V.; McCormack, H.A.; Dunn, I.C.	Determining the heritability of premaxillary bone shape and size within two populations of pure line laying hens
Avian (2)	8-jul	16:45	17:00		Bédère, N.; Burlot, T.; Bécot, L.; Le Roy, P.	No G×E on egg qualities and body weight between cage and floor systems, implications for breeding programmes in layers

Avian (2)	8-jul	17:00	17:15		Sharifi, A.R.; Jansen, S.; Simianer, H.; Mörlein, D.; Nolte, T.; Link, W.; Weigend, S.; Halle, I.	Growth and Laying Performance of Local Chicken Breeds and Their Crosses Fed with Faba Beans
Avian (2)	8-jul	17:15	17:30		Ni, A.X.; Bovenhuis, H.; Chen, J.L.; Calus, M.P.L.; Sun, Y.Y.	Heterosis of egg-laying performance in chickens
Avian (2)	8-jul	17:30	17:45		Larsberg, F.; Hesse, D.; Brockmann, G.A.; Sprechert, M.; Loh, G.; Kreuzer-Redmer, S.	In vitro effects of probiotic Bacillus strains on adaptive immune cells of broiler chicken
Avian (2)	8-jul	17:45	18:00		Cloete, S.C.H.A.L.K.W.P.; Brand, Z.A.N.E.L.L.; Engelbrecht, A.N.E.L.	Strain and age effects, as well as genetic parameters for adult traits in ostriches