

Lecture hall 008							Lecture hall 009												
Time	Length	Section	Section no.	Cons. no.	Lecture Poster	Abstract-ID	Abstract-Titel	Author(s)	Institution	Time	Length	Section	Section no.	Cons. no.	Lecture Poster	Abstract-ID	Abstract-Titel	Author(s)	Institution
Tuesday, March 7, 2023																			
13:00	00:10	Opening and Welcome					Prof. Dr. Jörg Aschenbach, 1st Chairman of the Society of Nutrition Physiology e. V. Prof. Dr. Stephan von Cramon-Taubadel, Dean of the Faculty of Agricultural Sciences at the Georg-August University of Göttingen			13:00		See Lecture hall 008							
Tuesday, March 7, 2023																			
13:10	00:05									13:10	00:05								
13:15	00:15	Amino acids and nitrogen	4	1	Oral	25	Influence of substituting peptide-bound with free amino acids on growth and nitrogen metabolism of broiler chickens depending on asparagine and glutamine supply	<u>A. Ibrahim</u> ¹ , M. Rodehutsord ¹ , W. Siegert ¹	¹ University of Hohenheim, Institute of Animal Science, Hohenheim, Germany	13:15	00:15	Feedstuff evaluation and feeding	9	11	Oral	61	Does clustering of degradation data help to identify necessary modifications of the <i>Streptomyces griseus</i> protease test?	<u>P. Okon</u> ¹ , M. Bachmann ¹ , M. Wensch-Dorendorf ¹ , <u>A. Baldow</u> ^{1, 2} , D. R. Nestl ¹ , A. Indrawati ¹ , I. Tjahjati ²	¹ Martin Luther University Halle-Wittenberg, Institute of Animal Science, Halle, Germany ² University of Natural Resources and Life Sciences Vienna, Vienna, Austria
13:30	00:15	Amino acids and nitrogen	4	2	Oral	38	Effect of replacement of casein with <i>Hermetia illucens</i> larvae meal as dietary protein source on lipid metabolism in obese Zucker rats	<u>S. M. Grundmann</u> ¹ , M. Marschall ¹ , G. Wen ¹ , E. Most ¹ , <u>R. D. De Leonards</u> ¹ , Q. L. Sciascia ² , S. Görs ³ , A. Vernunft ⁴ , C. C. J. Schulze ⁵ , <u>Holthausen</u> ¹ , Q. L. Sciascia ² , J. Schrege ⁷	¹ Justus-Liebig-University of Giessen, Institute of Animal Science, Giessen, Germany ² Research Institute for Farm Animal Biology (FBM), Institute of Nutritional Science, Rostock, Germany ³ Freie Universität Berlin, Department of Veterinary Medicine, Berlin, Germany ⁴ CI Europe GmbH, Frankfurt am Main, Germany	13:30	00:15	Feedstuff evaluation and feeding	9	12	Oral	86	The physical and chemical quality of peanut hull-based fermented total mixed ration using Cassava leaves as forage source	<u>J. J. Gross</u> ¹ , P. Mateo ² , D. Ramhold ³ , E. Kramer ¹ , M. Erb ⁴ , C. A. L. Rippstein ¹ , N. Titze ¹ , K. Wild ¹ , M. Rodehutsord ¹	¹ University of Natural Resources and Life Sciences Vienna, Vienna, Austria ² University of Bern, Veterinary Physiology, Bern, Bern, Switzerland ³ University of Hohenheim, Institute of Animal Science, Hohenheim, Germany ⁴ University of Hohenheim, Institute of Animal Science, Hohenheim, Germany
13:45	00:15	Amino acids and nitrogen	4	3	Oral	55	Glutamine metabolism in low birthweight suckling piglets	<u>J. Schulze</u> , <u>Holthausen</u> ¹ , Q. L. Sciascia ² , J. Schrege ⁷	¹ Freie Universität Berlin, Department of Veterinary Medicine, Berlin, Germany ² Research Institute for Farm Animal Biology (FBM), Institute of Nutritional Science, Rostock, Germany ³ Freie Universität Berlin, Department of Veterinary Medicine, Berlin, Germany ⁴ CI Europe GmbH, Frankfurt am Main, Germany	13:45	00:15	Feedstuff evaluation and feeding	9	13	Oral	60	Turnover of benzoxazinoids during aerobic exposure of maize silage	<u>J. J. Gross</u> ¹ , P. Mateo ² , D. Ramhold ³ , E. Kramer ¹ , M. Erb ⁴ , C. A. L. Rippstein ¹ , N. Titze ¹ , K. Wild ¹ , M. Rodehutsord ¹	¹ University of Bern, Veterinary Physiology, Bern, Bern, Switzerland ² University of Hohenheim, Institute of Animal Science, Hohenheim, Germany ³ University of Hohenheim, Institute of Animal Science, Hohenheim, Germany ⁴ University of Hohenheim, Institute of Animal Science, Hohenheim, Germany
14:00	00:15	Amino acids and nitrogen	4	4	Oral	44	Influence of oral glutamine supplementation on the abundance of gene expression and metabolic pathways in digesta of jejunum in neonatal piglets	<u>J. Schulze</u> , <u>Holthausen</u> ¹ , Q. L. Sciascia ² , J. Schrege ⁷	¹ Freie Universität Berlin, Department of Veterinary Medicine, Berlin, Germany ² Research Institute for Farm Animal Biology (FBM), Institute of Nutritional Science, Rostock, Germany ³ Freie Universität Berlin, Department of Veterinary Medicine, Berlin, Germany ⁴ CI Europe GmbH, Frankfurt am Main, Germany	14:00	00:15	Feedstuff evaluation and feeding	9	14	Oral	47	Comparison of gas production in the Hohenheim gas test obtained with wether faeces and rumen fluid as inoculum	<u>L. Rippstein</u> ¹ , N. Titze ¹ , K. Wild ¹ , M. Rodehutsord ¹	¹ University of Hohenheim, Institute of Animal Science, Hohenheim, Germany
14:15	00:15	Amino acids and nitrogen	4	5	Oral	16	Evaluating the isoleucine requirement in post-weaning piglets	<u>D. Siebert</u> ¹ , A. Jansmann ²	¹ CI Europe GmbH, Frankfurt am Main, Germany ² Freie Universität Berlin, Department of Veterinary Medicine, Berlin, Germany	14:15	00:15	Feedstuff evaluation and feeding	9	16	Oral	49	<i>In situ</i> ruminal crude protein degradation and <i>in vitro</i> intestinal digestibility of UDP from soybean meal	<u>N. Titze</u> ¹ , M. Rodehutsord ¹	¹ University of Hohenheim, Institute of Animal Science, Hohenheim, Germany
14:30	00:15	Amino acids and nitrogen	4	6	Oral	95	Effect of reduced dietary nitrogen (N) and phosphorus (P) on performance, nutrient digestibility and N-retention of modern fattening pigs	<u>E. Beckmüller</u> ¹ , S. Dänicke ¹ , C. Visscher ¹ , A. Grümpe-Schlüter ¹ , <u>K. Schmitz</u> ¹ , S. Kehraus ¹ , K.-H. Siedekum ¹	¹ Friedrich Loeffler Institut, Institute of Animal Nutrition, Berlin, Germany ² University of Bonn, Institute of Animal Science, Bonn, Germany	14:30	00:15	Feedstuff evaluation and feeding	9	15	Oral	48	<i>In situ</i> ruminal degradation of phytate and crude protein from soybean meal in lactating cows	<u>Y. P. Chi</u> ¹ , N. Titze ¹ , E. Haese ¹ , M. Rodehutsord ¹	¹ University of Hohenheim, Institute of Animal Science, Hohenheim, Germany
14:45	00:15	Amino acids and nitrogen	4	7	Oral	104	Evaluation of purine derivatives and other nitrogen compounds in urine as markers for an optimal nitrogen supply to pigs	<u>K. Schmitz</u> ¹ , S. Kehraus ¹ , K.-H. Siedekum ¹	¹ University of Bonn, Institute of Animal Science, Bonn, Germany	14:45	00:15	Feedstuff evaluation and feeding	9	17	Oral	31	Lingual and central taste perception of dairy cows and its modulation by N-arachidonylethanolamide	<u>I. Schwertfeger</u> ¹ , C. Kalbe ¹ , A. Krause ¹ , B. Puppe ¹ , B. Kuhl ¹ , V. C. B. M. Müller ¹ , S. Görs ¹ , B. Kuhl ¹	¹ Research Institute for Farm Animal Biology (FBN), Dummerstorf, Germany
15:00	00:15	Amino acids and nitrogen	4	8	Oral	105	A simple laboratory method to estimate standardised precaecally digestible amino acids for pigs	<u>V. Schumacher</u> ¹ , S. Kehraus ¹ , K.-H. Siedekum ¹	¹ University of Bonn, Institute of Animal Science, Bonn, Germany	15:00	00:15	Feedstuff evaluation and feeding	9	18	Oral	87	The nitrogen emission mitigation potential of willow leaves (<i>Salix spp.</i>) supplemented to cattle on pasture	<u>C. B. M. Müller</u> ¹ , S. Görs ¹ , B. Kuhl ¹	¹ Research Institute for Farm Animal Biology (FBN), Institute of Animal Science, Dummerstorf, Germany
15:15	00:15	Amino acids and nitrogen	4	9	Oral	52	Effects of varying ruminal N-balance (RNB) on performance and N excretion of dairy cows in late lactation	<u>V. Huber</u> ¹ , K. Wild ² , A. Obermaier ¹ , M. Rodehutsord ² , T. Y. Liu ³ , J. Lan ³ , X. Shen ³ , G. Zhao ³	¹ Bayerische Landesanstalt für Landwirtschaft, Freising, Germany ² University of Hohenheim, Institute of Animal Science, Hohenheim, Germany ³ China Agricultural University, State Key Laboratory of Animal Nutrition, Beijing, China	15:15	00:03	Feedstuff evaluation and feeding	9	19	Poster	15	Effect of the age of broilers on the precaecal digestibility of amino acids of pea grains	<u>H. Kluth</u> ¹ , M. Bachmann ¹ , P. Okon ¹ , U. Abraham ¹ , A. F. Goodazi ¹ , <u>Barošienė</u> ¹ , K. Männer ¹ , A.A. Amad ¹ , <u>C. M. E. Hever</u> ¹ , D. de Frenne ¹ , N. Klein ¹ , W. Siegert ¹ , M. Rodehutsord ¹	¹ Martin Luther University Halle-Wittenberg, Institute of Animal Science, Halle, Germany ² Freie Universität Berlin, Department of Veterinary Medical Science, Berlin, Germany ³ University of Hohenheim, Institute of Animal Science, Hohenheim, Germany
15:30	00:03	Amino acids and nitrogen	4	10	Poster	54	A study on the possibility of taurine synthesis in <i>in vitro</i> rumen fermentation	<u>Y. Liu</u> ¹ , J. Lan ¹ , X. Shen ¹ , G. Zhao ¹	¹ China Agricultural University, State Key Laboratory of Animal Nutrition, Beijing, China	15:18	00:03	Feedstuff evaluation and feeding	9	20	Poster	18	Evaluation of three different rapeseed varieties for broiler nutrition	<u>F. Goodazi</u> ¹ , <u>Barošienė</u> ¹ , K. Männer ¹ , A.A. Amad ¹ , <u>C. M. E. Hever</u> ¹ , D. de Frenne ¹ , N. Klein ¹ , W. Siegert ¹ , M. Rodehutsord ¹	¹ Freie Universität Berlin, Department of Veterinary Medical Science, Berlin, Germany
										15:21	00:03	Feedstuff evaluation and feeding	9	21	Poster	26	Neutral detergent fibre concentration in different genotypes affects <i>in vitro</i> gas production for oat and rye grain, but not for barley grain	<u>C. M. E. Hever</u> ¹ , D. de Frenne ¹ , N. Klein ¹ , W. Siegert ¹ , M. Rodehutsord ¹	¹ University of Hohenheim, Institute of Animal Science, Hohenheim, Germany
										15:24	00:03	Feedstuff evaluation and feeding	9	22	Poster	67	Reactive lysine: An <i>in vitro</i> parameter to predict the concentration of standardized ileal digestible lysine in DDGS samples based on trials using cecectomized roosters	<u>R. Puntigam</u> ¹ , K. Schedle ² , J. Slama ³	¹ Bavarian State Research Centre for Agriculture (LfL), Freising, Germany ² University of Hohenheim, Institute of Animal Science, Hohenheim, Germany ³ University of Hohenheim, Institute of Animal Science, Hohenheim, Germany
										15:27	00:03	Feedstuff evaluation and feeding	9	23	Poster	33	Rye bran as a component in diets for lactating sows – effects on sow and piglet performance	<u>C. Homann</u> ¹ , V. Wilke ¹ , I. Eckey ¹ , C. Visscher ¹	¹ University of Veterinary Medicine Hannover, Foundation, Hannover, Germany
										15:30	00:03	Feedstuff evaluation and feeding	9	24	Poster	66	Effects of chemical treatment of barley straw with sodium hydroxide or urea on chemical characteristics, <i>in vivo</i> digestibility and <i>in vitro</i> gas production in ruminants	<u>M. Bachmann</u> ¹ , S. D. Martens ² , Y. L. Brech ³ , G. Kervera ³ , R. M. Rodehutsord ¹	¹ Martin Luther University Halle-Wittenberg, Institute of Animal Science, Halle, Germany ² University of Hohenheim, Institute of Animal Science, Hohenheim, Germany ³ University of Hohenheim, Institute of Animal Science, Hohenheim, Germany
15:33	00:27	Coffee and Conversation break								15:33	00:27	Coffee and Conversation break							

Lecture hall 008										Lecture hall 009																												
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16:00	00:15	Feed additives	8	25	Oral	53	Age-dependent gut microbiota of broilers and turkeys fed with different dietary levels of P, Ca, and phytase	C. Roth ¹ , M. Novotny ¹ , M. Rodehutschord ¹ , A. Camarinha-Silva ²	¹ University of Hohenheim, Institute of Animal Science, ² Humboldt-Universität zu Berlin, Albrecht Daniel Thaer-Institut für Tierernährung und Tierhaltung	16:00	00:15	Environmental effects	12	32	Oral	68	Determination of non-edible biomass abundance in Germany's agricultural and processing sector	A. M. Vorndran ¹ , J. Steinhoff-Wagner ¹ , B. Paulicks ^{1,2} , W. J. Schulz ¹ , S. U. Kononov ² , P. Retzler ¹ , I. Lange ¹ , Y. C. Koch ¹ , B. Kuhla ¹ , C. Kühn ^{2,3}	¹ Technical University Munich, Professorship of Animal Nutrition, ² University of Leipzig, Institute of Animal Nutrition, ³ Research Institute for Farm Animal Biology (FBN), Institute of Farm Animal Nutrition																			
16:15	00:15	Feed additives	8	26	Oral	93	Effects of two probiotic <i>Bacillus</i> -strains on PBMCs of broiler chicken.	F. Larberg ¹ , M. Sprecher ¹ , D. Hesse ¹ , G. Loh ² , G. A. F. Goodarz ¹	¹ Humboldt-Universität zu Berlin, Albrecht Daniel Thaer-Institut für Tierernährung und Tierhaltung, ² Freie Universität Berlin, Animal Nutrition, Berlin, Duangnumswang ¹ , D.	16:15	00:15	Environmental effects	12	33	Oral	56	Effect of naturally occurring heat stress on dry matter intake, apparent digestibility of organic matter and milk production in dairy cows: Does the addition of biochar attenuate the consequences?	I. Lange ¹ , Y. C. Koch ¹ , B. Kuhla ¹ , C. Kühn ^{2,3}	¹ University of Leipzig, Institute of Animal Nutrition, ² Research Institute for Farm Animal Biology (FBN), Institute of Farm Animal Nutrition, ³ Research Institute for Farm Animal Biology (FBN), Institute of Farm Animal Nutrition																			
16:30	00:15	Feed additives	8	27	Oral	108	The impacts of a <i>Bacillus</i> -based probiotic on broiler chickens fed with increasing dietary levels of rye	F. Goodarz ¹ , Y. Boroojeni ¹ , D. Duangnumswang ¹ , D. Brugger ¹ , S. Grossmann ¹ , A. Liesegang ¹ , M. Schick ³	¹ University of Zurich, Institute of Animal Nutrition and ² Freie Universität Berlin, Animal Nutrition, Berlin, Duangnumswang ¹ , D.	16:30	00:15	Environmental effects	12	34	Oral	21	Mild heat stress is associated with immunological and metabolic changes in peripheral blood mononuclear cells of primiparous Holstein dairy cows	F. Koch ¹ , B. Kuhla ¹ , C. Kühn ^{2,3}	¹ Research Institute for Farm Animal Biology (FBN), Institute of Farm Animal Nutrition, ² Research Institute for Farm Animal Biology (FBN), Institute of Farm Animal Nutrition, ³ Research Institute for Farm Animal Biology (FBN), Institute of Farm Animal Nutrition																			
16:45	00:03	Feed additives	8	28	Poster	91	First data on the effects of different feed additives with potential ability for ammonia fixation in excrements on the zootechnical performance of slow-growing broiler chickens	D. Brugger ¹ , S. Grossmann ¹ , A. Liesegang ¹ , M. Schick ³	¹ University of Zurich, Institute of Animal Nutrition and ² Freie Universität Berlin, Animal Nutrition, Berlin, Duangnumswang ¹ , D.	16:45	00:03	Environmental effects	12	35	Poster	5	Mild heat stress increases ruminal acetate synthesis and alters milk composition of primiparous Holstein dairy cows	F. Koch ¹ , C. Hansen ¹ , B. Kuhla ¹	¹ Research Institute for Farm Animal Biology (FBN), Institute of Farm Animal Nutrition, ² Research Institute for Farm Animal Biology (FBN), Institute of Farm Animal Nutrition, ³ Research Institute for Farm Animal Biology (FBN), Institute of Farm Animal Nutrition																			
16:48	00:03	Feed additives	8	29	Poster	82	Effects of a wood-derived feed supplement on laying persistency and egg shell stability of laying hens throughout a late production period	S. Hirtenlehner ¹ , C. Potthast ¹ , A. Riemensperger ¹	¹ agromed Austria GmbH, Kremsmünster, Oberösterreich, Austria	16:48	00:03	Environmental effects	12	36	Poster	27	Effect of a blend of essential oils on ruminal fermentation characteristics, methane emission and milk yield in dairy cows fed a hay or a silage based diet	J. Eichinger ^{1,2} , A.-M. Reiche ¹ , L. Eggerschwiler ¹ , A. V. Wilke ^{1,2} , J. Gickel ¹ , C. Visscher ¹	¹ Agroscope, Ruminant Nutrition and Emissions, Posieux, Switzerland, ² University of Veterinary Medicine Hannover, Institute for Farm Animal Nutrition																			
16:51	00:03	Feed additives	8	30	Poster	19	Impact of essential oils on the composition and activity of porcine ileal and fecal microbiota – an <i>in vitro</i> batch fermentation assay	H. Marks ^{1,2} , L. Grzebowiak ¹ , H. Dietz ² , W. Vahjen ¹ , J. T. Hartinger ¹ , T. Gruber ¹ , K. Fliegerová ¹ , G. Terler ¹	¹ Freie Universität Berlin, Institute of Animal Nutrition, ² University of Veterinary Medicine Vienna, Institute of Animal Nutrition and	16:51	00:03	Environmental effects	12	37	Poster	81	Performance-based environmental impacts of substituting soybean meal by rapeseed meal in the diets for livestock	V. Wilke ^{1,2} , J. Gickel ¹ , C. Visscher ¹	¹ University of Veterinary Medicine Hannover, Institute for Farm Animal Nutrition, ² BASF SE, Animal Nutrition, Ludwigshafen, Rhineland-Palatinate																			
16:54	00:03	Feed additives	8	31	Poster	65	Utilization of anaerobic fungi culture supernatant as a novel silage additive for drought-impaired grass	T. Hartinger ¹ , T. Gruber ¹ , K. Fliegerová ¹ , G. Terler ¹	¹ University of Veterinary Medicine Vienna, Institute of Animal Nutrition and	16:54	00:03	Environmental effects	12	38	Poster	23	Contribution to reduced P-excretion: Option for feeding of pigs without supplementation of phosphates	P. Ader ¹ , D. Torralardona ² , D. Feuerstein ¹	¹ BASF SE, Animal Nutrition, Ludwigshafen, Rhineland-Palatinate, ² University of Zaragoza, Zaragoza, Spain																			
16:57	00:33	Poster discussion					Amino acids and nitrogen Feed additives																															
17:30																			17:30																			
18:00	02:00	GfE Member Assembly (separate invitation)																		18:00	See Lecture Hall 008																	
20:00	END Day 1																																					

Lecture hall 008								Lecture hall 009																							
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Continuation following day								Wednesday, March 8, 2023								Continuation following day								Wednesday, March 8, 2023							
09:00	01:00	Review lecture						Novel Feed and Novel Food - hype or real future?	C. Visscher, V. Wilke	1 University of Veterinary Medicine Hannover, Institute for Animal Nutrition	09:00									See Lecture hall 008											
10:00	00:30	Coffee and Conversation break											10:00	00:30	Coffee and Conversation break																
10:30	00:15	Omic in animal physiology	17	39	Oral	85	Comparative aspects of protein and energy metabolism in early lactation Holstein and Simmental cows under the same feeding conditions	L. Ruda ¹ , C. Straub ² , A. Scholz ² , K. Huber ¹	¹ University of Hohenheim, Department of Animal Nutrition	10:30	00:15	Feeding concepts	10	45	Oral	74	Effect of different forage proportions in diets of fattening bulls on protein, fat, energy, phosphorus and potassium accretion.	D. von Soosten ¹ , U. Meyer ¹ , L. Hüther ¹ , S. Dänicke ¹	¹ Friedrich Loeffler Institut, Institute for Animal Nutrition												
10:45	00:15	Omic in animal physiology	17	40	Oral	30	Bile acids concentrations and their receptor expression in subcutaneous adipose tissue of dairy cows with high versus normal body condition.	L. Dicks ¹ , K. Schuh ² , C. Pohn ¹ , M. H. Ghaffari ¹ , H. Sadri ¹ , H. J. Eichinger ^{1,2} , A.-M. Reiche ¹ , A. Mürger ¹ , R. Badertscher ¹ , G. R. Ringseis ¹ , S. Beller ¹	¹ University of Bonn, Institute of Animal Science, Bonn, North Rhine-Westphalia, Germany; ² Agroscope, Ruminant Nutrition and Emissions, Posieux, Switzerland	10:45	00:15	Feeding concepts	10	46	Oral	22	Growth performance and economic sustainability of Simmental fattening bulls fed dry or corn silage-based total mixed rations	C. Koch ¹ , M. Schönleben ² , J. Mentschel ¹ , N. Göres ¹	¹ Education and Research Center for Animal Husbandry, Hohenheim, Germany; ² University of Natural Resources and Life Sciences Vienna, Austria												
11:00	00:15	Omic in animal physiology	17	41	Oral	51	Usability of semi-volatile organic compounds from different biological matrices for identification of diet specific metabolic profiles in dairy cows	R. Ringseis ¹ , S. Beller ¹ , W. Seef ² , E. Most ² , K. Eder ²	¹ Justus-Liebig-University of Giessen, Institute of Animal Nutrition and Metabolism; ² Justus-Liebig-University of Giessen, Institute of Animal Nutrition and Metabolism	11:00	00:15	Feeding concepts	10	47	Oral	90	Effects of particle size reduction of meadow hay on feed intake, apparent total tract digestibility of nutrients and performance of organic dairy cows.	K. Bauer ¹ , M. Eghbali ¹ , T. Hartinger ² , A. Haselmann ¹ , W. S. Perdana-Decker ¹ , E. Velasco ¹ , J. Werner ¹ , U. Dickhofer ²	¹ University of Natural Resources and Life Sciences Vienna, Austria; ² University of Hohenheim, Department of Animal Nutrition and Metabolism												
11:15	00:15	Omic in animal physiology	17	42	Oral	80	Investigations of the effect of dietary insect larvae meal from the black soldier fly on the cecal microbiome, the liver transcriptome and the plasma metabolome of broilers	L. Schäfer ¹ , R. Ringseis ¹ , S. M. Grundmann ¹ , G. L. Schäfer ¹ , S. M. Grundmann ¹ , S. Friedrichs ¹ , D. A. Abdi ¹ , V. Sommerfeld ¹ , M. Rodehutschord ¹ , K. X. Zhang ¹ , Y. Li ² , M. Terranova ¹ , S. Ortman ¹ , S. Kehraus ¹	¹ University of Hohenheim, Institute of Animal Science, Germany; ² University of Göttingen, Ruminant Nutrition, Göttingen, Germany	11:15	00:15	Feeding concepts	10	48	Oral	98	Effect of grazing management on nitrogen use efficiency of lactating dairy cows grazing temperate semi-natural grasslands	H. Spiekens ¹ , M. Ledinek ^{1,2} , L. Gruber ² , S. Karsten ¹ , T. Ettle ¹ , K. A.-M. Reiche ¹ , M. Tretola ^{1,2} , J. Eichinger ¹ , A.-L. Hanke ¹ , C. Schwennen ¹ , B. Reckels ¹ , T. Strowig ^{1,3}	¹ University of Bonn, Institute of Animal Science, Bonn, Germany; ² Agroscope, Ruminant Research Group, Posieux, Switzerland; ³ University of Veterinary Medicine Hannover, Foundation, Germany												
11:30	00:15	Omic in animal physiology	17	43	Oral	42	Effect of replacement of soybean oil by <i>Hermetia illucens</i> fat in broiler diets on the gut microbiome, liver transcriptome and liver and plasma lipidomes of broilers	L. Schäfer ¹ , R. Ringseis ¹ , S. M. Grundmann ¹ , G. L. Schäfer ¹ , S. M. Grundmann ¹ , S. Friedrichs ¹ , D. A. Abdi ¹ , V. Sommerfeld ¹ , M. Rodehutschord ¹ , K. X. Zhang ¹ , Y. Li ² , M. Terranova ¹ , S. Ortman ¹ , S. Kehraus ¹	¹ University of Hohenheim, Institute of Animal Science, Germany; ² University of Göttingen, Ruminant Nutrition, Göttingen, Germany	11:30	00:15	Feeding concepts	10	49	Oral	28	Consideration of body reserve change in modelling efficiency traits of dairy cows	A.-M. Reiche ¹ , M. Tretola ^{1,2} , J. Eichinger ¹ , A.-L. Hanke ¹ , C. Schwennen ¹ , B. Reckels ¹ , T. Strowig ^{1,3}	¹ University of Bonn, Institute of Animal Science, Bonn, Germany; ² Agroscope, Ruminant Research Group, Posieux, Switzerland; ³ University of Veterinary Medicine Hannover, Foundation, Germany												
11:45	00:15	Omic in animal physiology	17	44	Oral	40	Effect of replacement of soybean oil by <i>Hermetia illucens</i> fat in broiler diets on the breast muscle lipidome and the concentrations of cholesterol and phytosterol oxidation products in heat-processed breast muscle	L. Schäfer ¹ , R. Ringseis ¹ , S. M. Grundmann ¹ , G. L. Schäfer ¹ , S. M. Grundmann ¹ , S. Friedrichs ¹ , D. A. Abdi ¹ , V. Sommerfeld ¹ , M. Rodehutschord ¹ , K. X. Zhang ¹ , Y. Li ² , M. Terranova ¹ , S. Ortman ¹ , S. Kehraus ¹	¹ University of Hohenheim, Institute of Animal Science, Germany; ² University of Göttingen, Ruminant Nutrition, Göttingen, Germany	11:45	00:15	Feeding concepts	10	50	Oral	71	Comparison of the effect of bakery by-products with and without cocoa bean shells and a cereal concentrate on feed intake, reticular pH and milk production of herbage fed dairy cows in early lactation	A.-M. Reiche ¹ , M. Tretola ^{1,2} , J. Eichinger ¹ , A.-L. Hanke ¹ , C. Schwennen ¹ , B. Reckels ¹ , T. Strowig ^{1,3}	¹ University of Bonn, Institute of Animal Science, Bonn, Germany; ² Agroscope, Ruminant Research Group, Posieux, Switzerland; ³ University of Veterinary Medicine Hannover, Foundation, Germany												
12:00	00:05	Session change											12:00	00:15	Feeding concepts	10	51	Oral	70	Fecal bacterial diversity and its relation to body weight and body composition of fattening pigs	L. Hanke ¹ , C. Schwennen ¹ , B. Reckels ¹ , T. Strowig ^{1,3}	¹ University of Veterinary Medicine Hannover, Foundation, Germany; ² University of Bonn, Institute of Animal Science, Bonn, Germany; ³ University of Veterinary Medicine Hannover, Foundation, Germany									
12:05	00:15	Digestion and absorption	1	53	Oral	64	Effects of dietary phosphorus and calcium supply and genetic background on expression of phosphate transporters in laying hens	A. Abdi ¹ , V. Sommerfeld ¹ , M. Rodehutschord ¹ , K. X. Zhang ¹ , Y. Li ² , M. Terranova ¹ , S. Ortman ¹ , S. Kehraus ¹	¹ University of Hohenheim, Institute of Animal Science, Germany; ² University of Göttingen, Ruminant Nutrition, Göttingen, Germany	12:05	00:15	Feeding concepts	10	52	Oral	106	Importance of genotype×feed interactions in nitrogen and phosphorus reduced rations of fattening pigs	B. Bonhoff ¹ , C. Große-Brinkhaus ¹ , S. Kehraus ¹ , K.-H.	¹ University of Bonn, Institute of Animal Science, Bonn, Germany												
12:20	00:15	Digestion and absorption	1	54	Oral	10	Stimulating saliva flow in sheep: Effects on variables of digestion, and a comparison with cattle	X. Zhang ¹ , Y. Li ² , M. Terranova ¹ , S. Ortman ¹ , S. Kehraus ¹	¹ University of Göttingen, Ruminant Nutrition, Göttingen, Germany; ² University of Hohenheim, Institute of Animal Science, Germany	12:30	01:30	Lunch break																			
12:35	01:25	Lunch break											12:35	01:25	Lunch break																

Lecture hall 008							Lecture hall 009																				
Time	Length	Section	Section no.	Cons. no.	Lecture Poster	Abstract-ID	Abstract-Titel	Author(s)	Institution	Time	Length	Section	Section no.	Cons. no.	Lecture Poster	Abstract-ID	Abstract-Titel	Author(s)	Institution								
Continuation following day							Thursday, March 9, 2023							Continuation following day							Thursday, March 9, 2023						
09:00	00:15	Gut health	19	84	Oral	13	Plasma metabolomics profiling of nematode infected chickens	O. J. Oladese ¹ , B. S.B. Correia ² , H. C. Bertram ² , C. C.	¹ Research Institute for Farm Animal Biology (FBN), Institute of	9:00	00:03	Undesirable substances and antinutrients	13	93	Poster	97	Determination of Mineral Oil Hydrocarbons in calves and piglets milk replacer by LC-GC-FID and GCxGC-ToF-MS	C. Yang ¹ , S. Kruschinski ¹ , M. Telteveski ¹ , A. Luch ¹	¹ German Federal Institute for Risk Assessment,								
09:15	00:15	Gut health	19	85	Oral	xxx	Influence of Cryptosporidium parvum infection on glucose uptake and metabolism in neonatal calves	Franziska Dengler ¹ , Harald M. Hammon ² , Wendy Liermann ²	¹ Institute of Physiology, Pathophysiology and	9:03	00:15	Undesirable substances and antinutrients	13	88	Oral	4	Investigation of the rumen digesta washing mechanism in live cattle	S. Valerio ¹ , J. Hummel ² , D. Codron ³ , J.-M. Hatt ¹ , M. Claus ¹	¹ University of Zurich, ² Clinic for Zoo Animals, Exotic Pets and ³								
09:30	00:03	Gut health	19	86	Poster	29	Effects of abomasal fatty acid supplementation on the intestinal fatty acid composition and barrier function in lactating cows	W. Liermann ¹ , L. Vogel ¹ , M. Gnett ¹ , D. Dannenberger ¹ , A.	¹ Research Institute for Farm Animal Biology (FBN), Dummerstorf,	9:18	00:15	Undesirable substances and antinutrients	13	89	Oral	43	Transfer of pyrrolizidine alkaloids (PAs) into milk in a chronic PA exposure scenario of dairy cows	K. Knapp ¹ , K. Knappstein ² , A. Gabler ³ , L. Klein ³ , C.	¹ Friedrich Loeffler Institut, Federal Research Institute for								
09:33	00:03	Gut health	19	87	Poster	69	Composition of the faecal microbiome of old vs younger adult horses under similar housing and feeding conditions	C. Pisch ¹ , L. Rechenburg ¹ , M. Glatter ² , M. Wensch-	¹ Martin Luther University Halle-Wittenberg, Institute of Agricultural	9:33	00:15	Undesirable substances and antinutrients	13	90	Oral	94	The effects of microplastic on ruminal dry matter degradation ex vivo	J. Eichinger ¹ , S. Kuenz ² , F. Eckel ³ , C. Zollfrank ³ , W.	¹ Technical University Munich, Chair of Animal Nutrition, ² ³ German Federal Institute for Risk Assessment,								
09:36	00:05	Session change																									
9:41	00:03	Water supply	23	94	Poster	102	Water-associated physical properties – a standardized approach for the evaluation of feeds	S. Kehraus ¹ , G. Dusel ² , J. Slomo ²	¹ University of Bonn, Institute of Animal Science, Bonn,	9:48	00:03	Undesirable substances and antinutrients	13	91	Poster	36	Comparative ruminal metabolism of pyrrolizidine alkaloids in sheep and cattle	J. Tanner ¹ , K. Knappstein ² , J. Lamp ² , S. Dänicke ³ , J.	¹ German Federal Institute for Risk Assessment,								
9:44	00:03	Water supply	23	95	Poster	79	Effect of grain:water ratio on some fermentation characteristics of rye and sorghum	A. Osman ¹ , C.B. Hartung ¹ , J.B. Lings ¹ , J. Hankel ¹	¹ University of Veterinary Medicine Hannover, Animal	9:51	00:03	Undesirable substances and antinutrients	13	92	Poster	50	Oral intake of sycamore seedlings by grazing dairy cows on pasture and detection of Hypoglycin A metabolites in milk	A.M. Engel ¹ , A. El-Khatib ¹ , F. Klevenhusen ² , S.	¹ German Federal Institute for Risk Assessment,								
9:47	00:03	Water supply	23	96	Poster	76	Social hierarchy influences the drinking behavior of dairy cows at a trough near the milking parlor after milking	R. Wahlen ¹ , E.K. Burkhardt ¹ , J. Reichelt ¹	¹ Technical University Munich, Professorship Animal Nutrition and																		
9:50	00:03	Water supply	23	97	Poster	103	Effects of the drinking water applications LOVIT Calcifit Select and LOVIT Phos Plus Liquid on performance of laying hens	D. Kubitzo ¹ , N. Hagen-Euteneuer ¹ , J. Zentek ²	¹ Kaesler Nutrition GmbH, Cuxhaven, Lower Saxony,																		
09:53	00:22	Poster discussion	Gut health Water supply							Undesirable substances and antinutrients																	
10:15	00:15	Coffee and Conversation break								Coffee and Conversation break																	

