

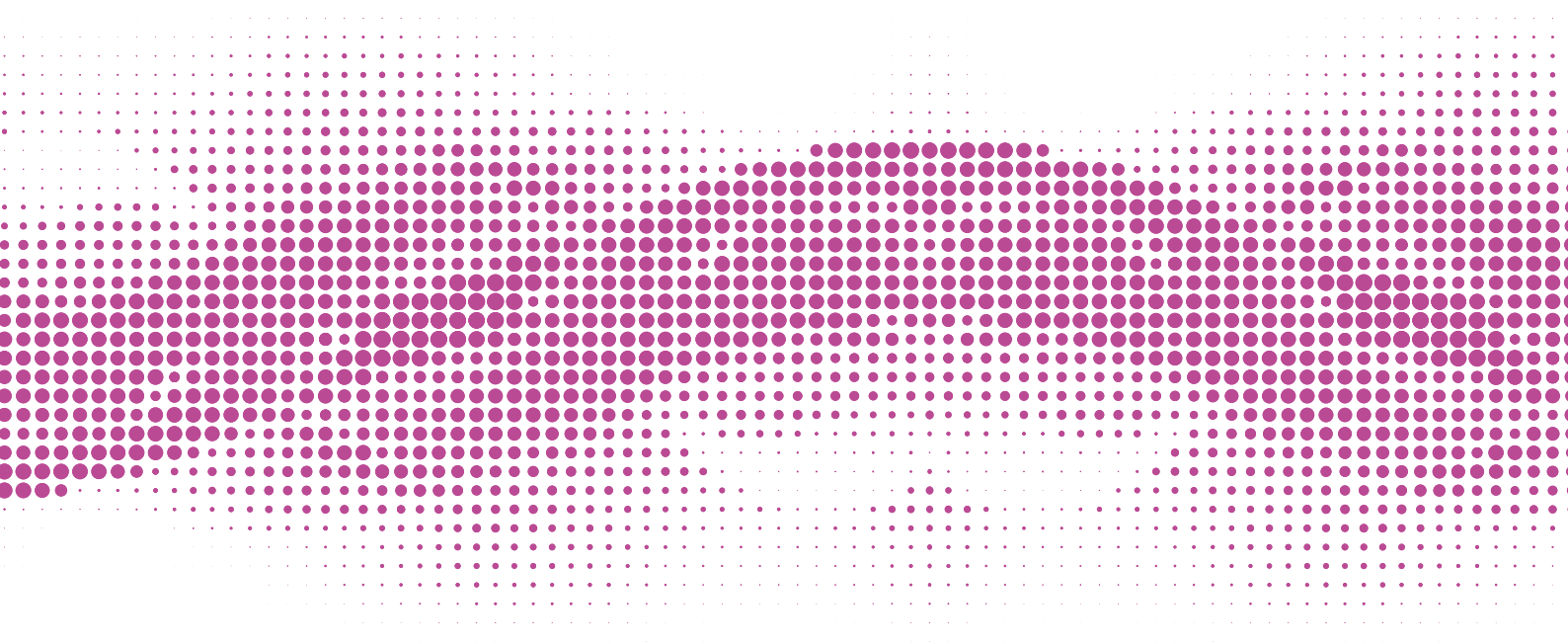


23° CONGRESS OF
THE ANIMAL SCIENCE AND
PRODUCTION ASSOCIATION

NEW CHALLENGES IN ANIMAL SCIENCE



JUNE 11-14, 2019 **SORRENTO** ITALY



PREFACE

Dear colleagues and ASPA members,

On behalf of the Organizing and Scientific Committees, it is a pleasure to welcome you to the 23rd National Congress of the Animal Science and Production Association “New challenges in Animal Science”.

Thirty years later the last conference, the beautiful frame of Sorrento, Naples will host again the ASPA meeting in the prestigious venue of the Hilton Sorrento Palace Hotel.

This conference is the result of the strong collaboration among several partners:
the Department of Veterinary Medicine and Animal Production – Federico II University of Naples,
the Department of the Sciences of Agriculture, Food and Environment – University of Foggia
the Department of Agricultural Sciences – Federico II University of Naples
the Department of Veterinary Medicine – University Aldo Moro of Bari
the Department of Agriculture and Environmental Science – University Aldo Moro of Bari
the School of Agricultural, Forestry, Food and Environmental Sciences – University of Basilicata
the Research Centre for Animal Production and Aquaculture – CREA, Bella Muro, Potenza.
the Institute Zooprofilattico Sperimentale del Mezzogiorno – IZSM, Portici, Naples

In advance, I would like to thank all colleagues and friends who participated and submitted high-quality abstracts, contributing to a successful outcome of the Congress. Our aim was to organize this ASPA Congress in a new perspective, by integrating skills and scientific information of researchers with different background, who experienced in the field of animal science and production. We hope that in this way the conference will give new interesting cues of interest to increase the knowledge in this field. For this reason, a special acknowledgement is for all the colleagues of the Organizing and Scientific Committee, for their valuable support. Great speakers from several Countries have been invited to share their experiences and supply new points of view. To all of them I express my gratitude for accepting our invitation, increasing the scientific merit of the Conference.

Finally, I hope that the Conference will also represent a great opportunity to visit enchanting places in Campania region, such as Naples, Pompei, the Amalfi and Sorrento coast in the shadow of the majestic Vesuvius and to enjoy the Campania cuisine.

On behalf of the Organizing and Scientific Committees, we thank you once again for participating in ASPA 2019.

We sincerely hope you enjoy the Congress and Sorrento city!

Gianluca Neglia

On behalf of the Organizing and Scientific Committees

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Luigi Zicarelli
Università di Napoli Federico II, Italy
Dipartimento di Medicina Veterinaria e Produzioni Animali (DMVPA), Naples, Italy

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ORGANIZING SECRETARIAT



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GENERAL INFORMATION ON ASPA 2019

CONGRESS DATE

June 11 (Tuesday) - 14 (Friday), 2019

VENUE AND ROOMS

Venue: Hotel Hilton Sorrento Palace - Via Via S. Antonio 13, Sorrento, Italy
Auditorium Ulisse
Auditorium Tritone
Sala Stampa
Sala Ravello

INTERNET

Wireless Internet connection is free in the lobby of the Hilton Sorrento Palace

LIABILITY AND INSURANCE

The organizers are not able to take responsibility whatsoever for injury or damage involving persons and property during the congress

Mobile phones, photography and video recording

Participants are requested to keep their mobile phones switched off (or set to silent mode) in the session rooms. Photography and video recordings are strictly prohibited during all scientific sessions.

TIME

CET

CLIMATE

You can expect an average temperature of around 27°C, reaching an average high of up to 30°C during the warmer times. Evenings are still very pleasantly warm, dropping to around 21°C as an average low temperature during June.

INSTRUCTIONS FOR PRESENTERS

Oral Presentations

Each speaker will have 10 minutes for the presentation and 5 minutes for questions and discussion. The presentation file (slides) must be in English and the talk can be in Italian (for Italian participants) or in English.

The lecture room will be equipped with a PC and a video projector.

Speakers are invited to upload their presentation files (USB memory stick, etc) to the slide point (at the Registration Desk) at the latest by the evening before their scheduled session.

Uploaded files will be available on the lecture room facility.

Speakers are invited to check their presentation on the available PC before any session.

Available presentations system supports ONLY Microsoft WINDOWS and the latest versions of the presentation software. If the presentation includes any video, the required file format is "avi".

Poster Session

Two poster sessions have been scheduled: on Wednesday 12th and Thursday 13th June.

Corresponding numbers can be found in the poster list at the end of this booklet.

Posters included in the first session (12th June) must be put up the 12th June and removed at the end of the day. Posters included in the second session (13th June) must be put up the 13th June and removed at the end of the day. Necessary tools will be available at the Registration desk. Anyway, all authors presenting a poster are asked to print their poster.

YOUNG RESEARCHERS COMPETITION

1st edition of the “ASPA Young Researchers Competition - Oral Presentations”

To promote and stimulate young researchers, the Animal Science and Production Association (ASPA), in collaboration with Italian Journal of Animal Science (IJAS), and with the economic support of the organizing committee of ASPA 2017 Congress of Perugia, organizes the first edition of the “ASPA Young Researchers Competition – Oral Presentations”, with the aim to select the best 5 papers (one per topic) presented as oral communication at the 23rd ASPA Congress to be held in Sorrento (Napoli, June, 11th to 14th 2019).

1st edition of the “ASPA Young Researchers Competition - Posters”

To promote and stimulate young researchers, the Animal Science and Production Association (ASPA), with the economic support of the organizing committee of ASPA 2017 Congress of Perugia, organizes the first edition of the “ASPA Young Researchers Competition – Posters”, with the aim to select the best 5 posters (one per topic) presented at the 23rd ASPA Congress to be held in Sorrento (Napoli, June, 11th to 14th 2019).

The awarding of the best communications is scheduled for June, 13th at 17.30.

LANGUAGE

The official language of the congress is Italian.

REGISTRATION AND INFORMATION

The registration desk will be at the Hilton Sorrento Palace Hotel and will be open from 13:00 to 15:00 on Tuesday, June 11, and every day from 08:30 until the end of the sessions.

NAME BADGE POLICY

Participants are kindly requested to exhibit their congress name badges during all scientific sessions and social events (including Welcome reception and Banquet).

LUNCHES

Lunches (12th and 13th June) will be served at “Ristorante Sant’Antonio” of the Hotel Hilton Sorrento Palace.

Access is reserved to ticket holders.

Tickets are included in the participant kit received upon the registration.

Additional tickets can be purchased at the registration desk.

SOCIAL PROGRAMME

- Typical Dinner on Tuesday 11th June at the Hotel Hilton Sorrento Palace.
- On Wednesday 12th June, Opening Ceremony and Welcome Cocktails at the Teatro Tasso - P.zza Sant’Antonino, 25, Sorrento.
- Social Dinner, on Thursday 13th June at 21:00 at “Circolo dei Forestieri”, Via Luigi De Maio, 35 - Sorrento. Access is reserved to ticket holders. Tickets are included in your participant kit received at registration.

OPENING CEREMONY

(Wednesday 12th June, Teatro Tasso, Sorrento)

Special greetings

Gianluca Neglia	<i>Presidente del Comitato Organizzatore del 23° Congresso Nazionale dell'Associazione Scientifica di Produzione Animale (ASPA)</i>
Giuseppe Cuomo	<i>Sindaco di Sorrento</i>
Bruno Ronchi	<i>Presidente dell'Associazione Scientifica di Produzione Animale (ASPA)</i>
Gaetano Manfredi	<i>Magnifico Rettore dell'Università degli Studi di Napoli "Federico II"</i>
Gaetano Oliva	<i>Direttore del Dipartimento di Medicina Veterinaria e Produzioni Animali (DMVPA), Università degli studi di Napoli Federico II</i>
Matteo Lorito	<i>Direttore del Dipartimento di Agraria, Università degli studi di Napoli Federico II</i>
Antonio Limone	<i>Direttore Generale dell'Istituto Zooprofilattico Sperimentale del Mezzogiorno</i>
Roberto Maddè	<i>Direttore Generale Associazione Italiana Allevatori (AIA)</i>
Domenico Raimondo	<i>Direttore del Consorzio Tutela Mozzarella</i>
Giosuè De Simone	<i>Presidente Consorzio Tutela Provolone del Monaco</i>

ORGANIZERS



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*23rd Congress of the Animal Science and Production Association “New challenges in Animal Science”
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ACKNOWLEDGEMENTS

A special thanks to the following sponsors for their support to ASPA 2019



#ASPAs2017
22nd Congress of the Animal Science and Production Association
June 13-16, 2017 - Perugia



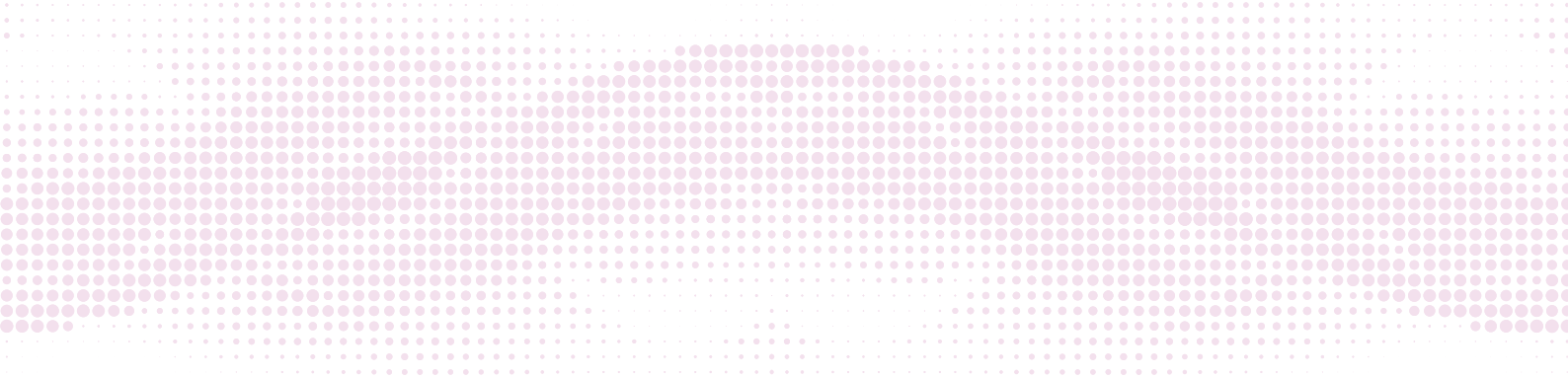
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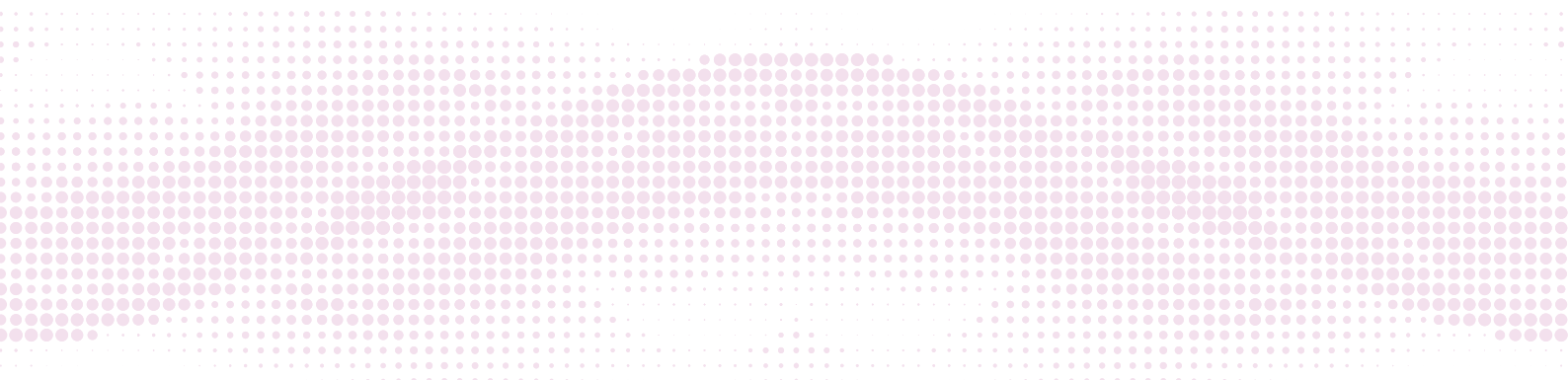
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PROGRAMME AT A GLANCE



Tuesday 11th June 2019

	Auditorium Ulisse	Auditorium Tritone	Sala Stampa	Sala Ravello
13.00 - 15.00	ARRIVAL - REGISTRATION			
		INVITED LECTURE	INVITED LECTURE	INVITED LECTURE
15.00-15.30		<i>"Using metabolomics approaches in transition cow biology for basic and applied science"</i> Morteza H. Ghaffari	<i>"Leveraging on High-throughput Phenotyping Technologies to Optimize Livestock Genetic Improvement and Husbandry"</i> Guilherme Rosa	<i>"Efficient aquafeed production and management in a circular future"</i> Alessio Bonaldo
15.30-16.45		APHW "Animal Physiology" (5)	ABG "Genetics of welfare, genetics of resilience" (5)	LS "Aquaculture" (5)
16.45-17.15	Coffee Break			
17.15-18.45		LS "GHG emissions in livestock" (5)	APHW "Tannins in animal nutrition" (6)	ABG "Poultry genetics" (5)
20.30	CENA RUSTICA			

Wednesday 12th June 2019

Wednesday 12 June 2019				
	Auditorium Ulisse	Auditorium Tritone	Sala Stampa	Sala Ravello
9.00-10.30	APHW "Microbiome" (6)	ABG "Genetic diversity" (6)	LS "New emerging technologies in animal science I" (6)	ES "Enviromental impact of livestock I" (6)
10.30-11.30	Coffee Break/Poster Session			
11.30-13.30	Auditorium Ulisse			
	PLENARY SESSION - Round table "Functional food and human health"			
	11.30 - 12.00 MAIN LECTURE <i>Rosalba Giacco</i> "From healthy foods to functional foods"			
	12.00 - 12.30 MAIN LECTURE <i>Maria Luisa Balestrieri, "Functional metabolites in Mediterranean Buffalo productions: impact of innovative breeding techniques"</i>			
	12.30 - 13.00 MAIN LECTURE <i>Antonella Baldi</i> "Antioxidants in animal nutrition: benefits and challenges"			
	13.00-13.30 DISCUSSION			
13.30-15.00	Lunch/Poster Session			
	Auditorium Ulisse	Auditorium Tritone	Sala Stampa	Sala Ravello
15.00-17.15	APHW "Animal nutrition: efficiency" (9)	ABG "New breeding technologies I" (8)	AP "Diary small ruminant: functional food and marketing" (9)	LS "New protein sources in aquaculture" (8)
18.00-20.00	TASSO Theater			
	Opening Ceremony			
	Official welcome			
	MAIN LECTURE	<i>Luigi Zicarelli</i>	<i>"Modern breeding, taste of products of animal origin and future of Italian breeding"</i>	
	MAIN LECTURE	<i>Antonio Limone</i>	<i>""The role of the Vet in the One Health"</i>	
20.00	Welcome Cocktail			

Thursday 13th June 2019

8.45-9.30	Auditorium Ulisse			
	PLENARY SESSION "Beef production and quality"			
	MAIN LECTURE	Jean François Hocquette	<i>"For a better future of beef production: improved carcass grading, eating quality and livestock systems, but no cultured meat"</i>	
9.30-10.30	Auditorium Ulisse	Auditorium Tritone	Sala Stampa	Sala Ravello
	AP "Meat quality: gastronomic tradition and innovation" (4)	AP "New frontiers in milk quality" (4)	APHW "Reproduction I" (4)	LS "Aquaculture" (4)
10.30-11.30	Coffee Break/Poster Session			
11.30-13.30	AP "Meat production. Management and marketing perspective" (7)	ABG "Small ruminants genetics" (8)	LS "Joint session pig" (8)	APHW "Animal welfare I" (6)
13.30-15.00	Lunch/Poster Session			
15.00-15.30	Auditorium Ulisse	Auditorium Tritone	Sala Stampa	Sala Ravello
	INVITED LECTURE "Oxylipids and Inflammatory Disorders of Dairy Cows" Lorraine M. Sordillo	INVITED LECTURE _____ Michael J. D'Occhio	INVITED LECTURE "Emerging topics in livestock breeding and production" Martino Cassandro	INVITED LECTURE "The oxidation of the lipids in meat. The process, the effect on human health and the procedures for a correct quantification" Andrea Serra
15.30-17.00	APHW "Animal health" (6)	ES "Environmental impact of livestock II" (6)	ABG "New breeding technologies II" (6)	AP "Meat quality" (6)
17.00-17.30	Coffee Break			
17.30-18.00	ORAL PRESENTATIONS & POSTER AWARDS			
18.00-20.00	MEETING OF ASPA MEMBERS			
21.00	SOCIAL DINNER			

Friday 14th June 2019

9.00-9.45	Auditorium Ulisse			
	Plenary Session "Heat stress in cattle"			
	MAIN LECTURE	Geoffrey E. Dahl	<i>"Late gestation heat stress in dairy cows: effects on dam and daughter"</i>	
9.45-10.45	Auditorium Ulisse	Auditorium Tritone	Sala Stampa	Sala Ravello
	APHW "Climate" (4)	MEETING WITH THE REPRESENTATIVE OF THE NATIONAL UNIVERSITY COUNCIL (CUN) Brunella Restucci	INVITED LECTURE "Nutritional modulation of canine and feline intestinal microbiota" Giacomo Biagi	INVITED LECTURE "Selection and conservation of <i>Apis mellifera</i> at the time of globalization" Giulio Pagnacco
10.45-11.15	Coffee Break			
11.15-12.45	INVITED LECTURE "Endocrine and physiological differences between bovine and buffalo females and their impact on assisted reproductive technologies" Pietro S. Baruselli	INVITED LECTURE "Animal Welfare Assessment: towards a simplification" Fabio Napolitano	LS "Companion animals" (5)	LS "New emerging technologies in animal science" (5)
	APHW "Reproduction II" (4)	APHW "Animal welfare II" (4)		

LEGEND

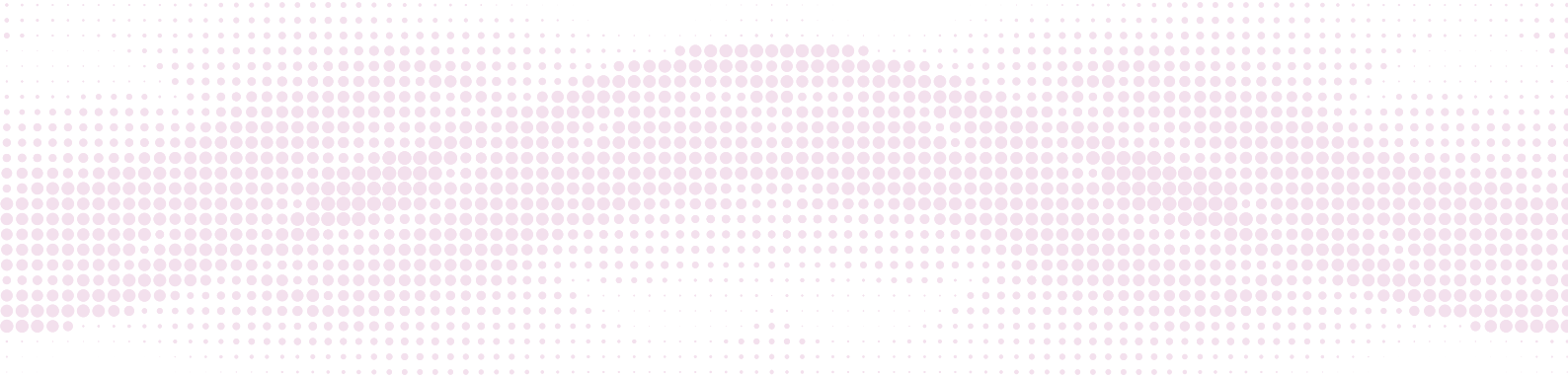
ES: Environmental Sustainability

LS: Livestock System

APHW: Animal Physiology, Health and Welfare

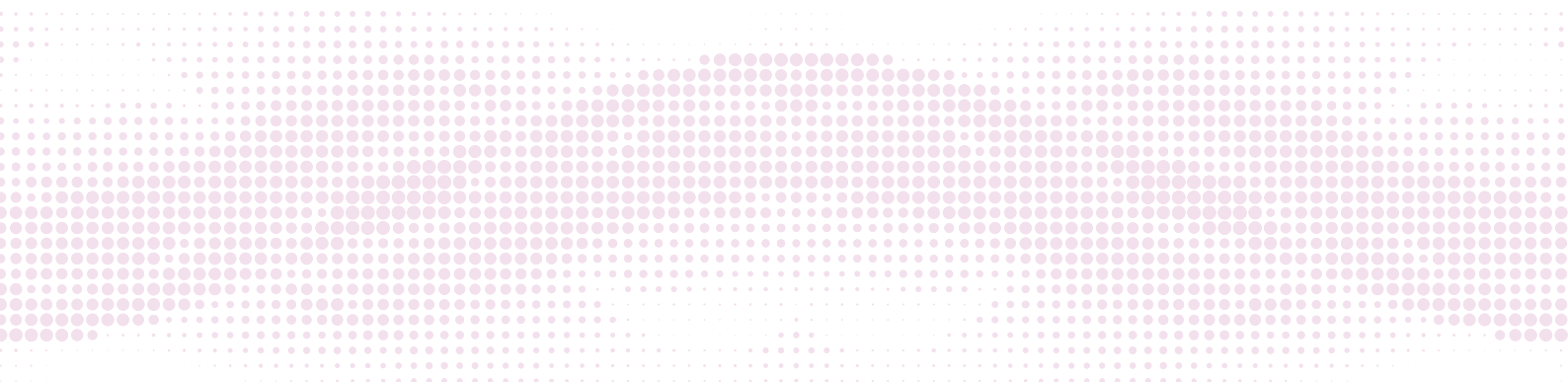
AP: Animal Products

ABG: Animal breeding and Genomics





SCIENTIFIC PROGRAMME



13:00 ----- 15:00	ARRIVAL - REGISTRATIONS	
15:00 ----- 16:45	AUDITORIUM TRITONE APHW, Animal Physiology	
Chairs:	Mariangela Caroprese, Nicola Lacetera	
15:00 ----- 15:30	MAIN LECTURE Helga Sauerwein, <u>Morteza H. Ghaffari</u> , Fabrizio Ceciliani <i>Using metabolomics approaches in transition cow biology for basic and applied science</i>	IS001
15:30 ----- 15:45	<u>Anna Benedet</u> , Marco Franzoi, Mauro Penasa, Erika Pellattiero, Massimo De Marchi <i>Determination of blood metabolites in early lactation dairy cows using milk mid-infrared spectra</i>	O001
15:45 ----- 16:00	<u>Erminio Trevisi</u> , Matteo Mezzetti, Fiorenzo Piccioli Cappelli, Annarita Ferrari, Giorgia Lovotti, Andrea Minuti <i>Effect of the milk yield amount at the end of lactation on inflammation, oxidative stress, and metabolic changes during dry-off stage of dairy cow</i>	O002
16:00 ----- 16:15	<u>Gabriela Avila Morales</u> , Carlotta Catozzi, Valentina Zamarian, Cristina Lecchi, Fabrizio Ceciliani, Giulia Sala, Davide Pravettoni, Nicola Lacetera <i>Effect of heat stress on monocytes and lymphocytes in dairy cattle</i>	O003
16:15 ----- 16:30	<u>Ludovica Mammi</u> , Damiano Cavallini, Elisa Giaretta, Isa Fusaro, Attilio Mordenti, Andrea Formigoni <i>Study of inflammatory markers in dairy cows exposed to grain rich diet</i>	O004
16:30 ----- 16:45	<u>Alberto Stanislao Atzori</u> , Antonello Ledda, Umberto Bernabucci, Loredana Basi-ricò, Mondina Francesca Lunesu, Antonello Cannas <i>Starch exposure early in life to enhance metabolic programming of nutrient partitioning in lactating dairy sheep</i>	O004

15:00 ----- 16:45	SALA STAMPA ABG, Genetics of welfare, genetics of resilience	
Chairs:	Alessio Cecchinato, Francesca Ciotola	
15:00 ----- 15:30	MAIN LECTURE <u>Guillermo Rosa</u> , Joao R. R. Dorea, Arthur F. A. Fernandes, Tiago Passafaro <i>Leveraging on High-throughput Phenotyping Technologies to Optimize Livestock Genetic Improvement and Husbandry</i>	IS002
15:30 ----- 15:45	<u>Maurizio Marusi</u> , <u>Giulio Visentin</u> , Claudio Cipolat-Gotet, Andrea Summer, Andrea Formigoni, Marco Nocetti, Martino Cassandro, Giorgio Burchiellaro, Giorgio Civati <i>Cheesemaking and Sustainability Index – Parmigiano Reggiano: A New Breeding Index for the Italian Holstein</i>	O006
15:45 ----- 16:00	<u>Alessio Cecchinato</u> , Mehdi Momen, Gota Morota, Guilherme J.M. Rosa, Daniel Gianola, Sara Pegolo <i>Structural equation models for genome-wide association study (SEM-GWAS) of interrelationships among udder health traits in dairy cattle</i>	O007

16:00 ----- 16:15	Maria Martinez Castillero, Robert Tempelman, Gustavo de los Campos, Ana Ines Vazquez, Hugo Toledo Alvarado, Alessio Cecchinato Reaction norm analyses to infer genotype by environment interaction for fertility traits in Italian dairy cattle	O008
16:15 ----- 16:30	Tania Bobbo, Ali Zidi, Mauro Penasa, Martino Cassandro Cut-off values and genetic aspects of differential somatic cell count in dairy cows	O009
16:30 ----- 16:45	Raffaella Finocchiaro, Jan-Thijs van Kaam, Guido Invernizzi, Giorgio Civati, Martino Cassandro, Giovanni Savoini Setting up genetic evaluation for feed efficiency in Italian Holsteins	O010

15:00 ----- 16:45	SALA RAVELLO LS, Aquaculture	
Chairs:	Pierpaolo Gatta, Alessandra Roncarati	
15:00 ----- 15:30	MAIN LECTURE Alessio Bonaldo Efficient aquafeed production and management in a circular futur	IS003
15:30 ----- 15:45	Gloriana Cardinaletti, Donatella Volpatti, Chiara Bulfon, Paola Beraldo, Maria Messina, Emilio Tibaldi Effects of nucleotide supplementation in diets high in soybean meal on growth, gut health and immune status of E. sea bass (D. labrax)	O011
15:45 ----- 16:00	Roberto Cerri, Gloriana Cardinaletti, Fabrizio Capoccioni, Michela Contò, Giuliana Parisi, Natascia Biondi, Francesca Tulli, Emilio Tibaldi Nutritive value of novel feed protein sources to Rainbow trout (O. mykiss) and European sea bass (D. labrax)	O012
16:00 ----- 16:15	Terova Genciana, Simona Rimoldi, Elisabetta Gini, Federica Iannini, Marco Saroglia Monoglycerides of short- and medium- chain fatty acids: effects on growth performances and gut microbiota of gilthead sea bream (Sparus aurata)	O013
16:15 ----- 16:30	Lorenzo Morsiani, Luca Parma, Nicole Francesca Pelusio, Serena Busti, Matteo Zerlotin, Lorenzo Mariani, Pier Paolo Gatta, Alessio Bonaldo Interaction between dietary composition and seasonal temperature changes in Gilthead sea bream (Sparus aurata, L. 1758): effects on growth, fat deposition, plasma biochemistry, enzymatic activity and gut bacterial community	O014
16:30 ----- 16:45	Serena Busti, Luca Parma, Nicole Francesca Pelusio, Maurizio Mazzoni, Oliviero Mordenti, Francesco Dondi, Pierpaolo Gatta, Alessio Bonaldo Effects of different feeding frequencies on growth, feed utilization, plasma biochemistry and digestive conditions of gilthead sea bream (Sparus aurata) fed with different fish meal/fish oil dietary levels	O015
16:45 ----- 17:15	COFFEE BREAK	

17:15 ----- 18:30	AUDITORIUM TRITONE LS, GHG emissions in livestock	
Chairs:	Massimo Trabalza Marinucci, Serena Calabrò	
17:15 ----- 17:30	<u>Giulia Gentile</u> , Stefano Schiavon, Mauro Spanghero, Franco Tagliapietra <i>Gas and methane production from two rumen inoculums, used fresh or refrigerated, frozen or freeze-dried</i>	O027
17:30 ----- 17:45	<u>Francesca Ghilardelli</u> , Samantha Sigolo, Benedetta Brambilla, Sara Bruschi, Aldo Prandini, Francesco Masoero, Antonio Gallo <i>Fermentation pattern and volatile organic compounds to cluster poorly and well-preserved silages by a multivariate approach</i>	O028
17:45 ----- 18:00	<u>Afro Quarantelli</u> , Marco Renzi, Marica Simoni, Francesca Martuzzi, Mario Rosato, Ernesto Mario Zambini, Federico Righi <i>Improve ruminal fermentations through the use of an automated gas production system</i>	O029
18:00 ----- 18:15	<u>Paolo Bani</u> , Alireza Bayat, Olga Gachiuta, Valentina Ficuciello, Giulia Ferronato <i>Faeces as source of information on dairy cattle GHG emissions</i>	O030
18:15 ----- 18:30	<u>Damiano Cavallini</u> , Ludovica Mammi, Giorgia Canestrari, Attilio Mordenti, Alex Pape, Michael Miller, Rick Grant, Alberto Palmonari <i>Rumination patterns in dairy cows fed high concentrate ration</i>	O031

17:15 ----- 18:45	SALA STAMPA APHW, Tannins in animal nutrition	
Chairs:	Giuseppe Luciano, Giovanni Savoini	
17:15 ----- 17:30	<u>Federica Mannelli</u> , Matteo Daghigh, Susana Alves, Rui Bessa, Sara Minieri, Giuseppe Conte, Stefano Rapaccini, Carlo Viti, Arianna Buccioni <i>Effect of vescalagin and gallic acid from chestnut tannins on microbial community profile: preliminary results</i>	O016
17:30 ----- 17:45	<u>Chiara Sarnataro</u> , Mauro Spanghero <i>Effect of chestnut tannins and an extract from Stevia Rebaudiana Bertoni on in vitro rumen fermentation and microbiota</i>	O017
17:45 ----- 18:00	<u>Marco Tretola</u> , Paolo Silacci, Nicolas Pradervand, Giuseppe Bee <i>Hydrolysable tannins: inhibition of microbial abundance in the cecum thereby affecting skatole and indole production in entire male pigs</i>	O018
18:00 ----- 18:15	Serena Reggi, Valentina Caprarulo, Monika Hejna, <u>Stefania Sotira</u> , Matteo Dell'Anno, Vittorio Dell'Orto, Luciana Rossi <i>In vitro evaluation of tannin-based additives for weaned piglets</i>	O019
18:15 ----- 18:30	<u>Marco Zampiga</u> , Luca Laghi, Chenglin Zhu, Adele Meluzzi, Federico Sirri <i>Effects of dietary supplementation of different tannin sources on productive performance and plasma metabolomics profile in broiler chickens</i>	O020
18:30 ----- 18:45	<u>Antonio Natalello</u> , Luisa Biondi, Luca Campidonico, Saheed A. Salami, Massimiliano Lanza, Alessandro Priolo, Giuseppe Luciano <i>Intramuscular fatty acids in lambs supplemented with different tannin extracts</i>	O021

17:15 ----- 18:30	SALA RAVELLO ABG, Poultry genetics	
Chairs:	Cesare Castellini, Martino Cassandro	
17:15 ----- 17:30	<u>Maria Giuseppina Strillacci</u>, Erica Gorla, Sergio Ivan Roman-Ponce, Felipe de Jesús Ruiz, Maria Cristina Cozzi, Vicente Eliezer Vega-Murillo, Angel Rios Utrera, Marina Duran-Aguilar, Silvia Cerolini, Alessandro Bagnato <i>Genetic variability among Mexican, Italian, Narragansett and Hybrid turkey populations using SNP and CNV markers</i>	O022
17:30 ----- 17:45	<u>Alessandro Bagnato</u>, Erica Gorla, Sergio Ivan Roman-Ponce, Felipe de Jesús Ruiz, Vicente Eliezer Vega-Murillo, Angel Rios Utrera, Silvia Cerolini, Maria Giuseppina Strillacci <i>Analysis of run of homozygosity in turkey populations</i>	O023
17:45 ----- 18:00	<u>Simone Ceccobelli</u>, Nkosinathi Nxumalo, Emiliano Lasagna, Nokuthula Winfred Kunene <i>Genetic diversity assessment of Kwa-zulu natal native chickens using SSR markers</i>	O024
18:00 ----- 18:15	<u>Dominga Soglia</u>, Stefano Sartore, Sandra Maione, Sihem Dabbou, Paola Sacchi, Roberto Rasero, Cecilia Mugnai, Laura Gasco, Francesco Gai, Achille Schiavone <i>Mating strategy base on of DNA parentage information in Italian chicken breeds</i>	O025
18:15 ----- 18:30	<u>Cinzia Marchitelli</u>, Michela Contò, Sebastiana Failla, David Meo Zilio, Monica Guarino Amato <i>Exploring polymorphisms in genes affecting energy metabolism and skeletal muscle in broiler chickens</i>	O026
20:30	TYPICAL DINNER IN "AGRUMETO" (Hilton Sorrento Palace)	

9.00 ----- 10.30	AUDITORIUM ULISSE APHW, Microbiome	
Chairs:	Luciano Pinotti, Lucia Bailoni	
9.00 ----- 9.15	<u>Alberto Palmonari</u> , Silvia Turrone, Elisa Giaretta, Giorgia Canestrari, Andrea Formigoni <i>Effects of Sugars on in vitro Rumen Microbial Ecosystem</i>	O032
9.15 ----- 9.30	<u>Antonio Gallo</u> , Alberto Stanislao Atzori, Rafael Muñoz-Tamayo <i>Modelling in vitro dynamics of fermentation and methane production by cow rumen microbiota at different total mixed rations</i>	O033
9.30 ----- 9.45	<u>Marica Simoni</u> , Federico Righi, Andrea Cresceri, Paola Cremonesi, Marco Severgnini, Bianca Castiglioni, Afro Quarantelli <i>Study of the "in vivo" periodic fluctuation of microbiome composition and enzymatic activity of rumen fluids used as inocula</i>	O034
9.45 ----- 10.00	<u>Nida Amin</u> , Barbara Cardazzo, Lisa Carraro, Lucia Bailoni <i>Effect of physiological stages of dairy cows on rumen protozoal community composition revealed by RNA based amplicon sequencing</i>	O035
10:00 ----- 10.15	Luciano Pinotti, <u>Marco Tretola</u> , Matteo Ottoboni, Alice Luciano, Antonella Baldi <i>Growth performance and gut microbiota in post-weaning piglets fed diets containing bakery/confectionary former food products as cereal substitute</i>	O036
10:15 ----- 10.30	<u>Marcello Comi</u> , Carlotta Giromini, Raffaella Rebucci, Silvia Giorgi, Vittorio Dell'Orto, Valentino Bontempo <i>Administration of green tea and pomegranate extract in drinking water on broiler growth performance, total blood antioxidant activity and gut microbiota</i>	O037

9.00 ----- 10.30	AUDITORIUM TRITONE ABG, Genetic diversity	
Chairs:	Luca Fontanesi, Vincenzo Peretti	
9.00 ----- 9.15	<u>Sara Pegolo</u> , Simone Savoia, Alberto Brugiapaglia, Liliana Di Stasio, Alfredo Pauciullo, Andrea Albera <i>Genome-wide association study and functional analysis of carcass and meat quality traits in double-musced Piemontese cattle</i>	O038
9.15 ----- 9.30	<u>Roberta Ciampolini</u> , Laurence Flori, Katayoun Moazami-Goudarzi, Salvatore Mastrangelo, Progetto BOVITA, Fabio Pilla, Martino Cassandro <i>Genomic Adaptation of Local Cattle Breeds in the Alpine Massif</i>	O039
9.30 ----- 9.45	<u>Salvatore Mastrangelo</u> , Elena Ciani, Slim Ben Jemaa, Gianluca Sottile, Baldassare Portolano, Fabio Pilla, BOVITA Consortium <i>The Italian cattle breeds in a worldwide context for a genome-wide diversity study</i>	O040
9.45 ----- 10.00	<u>Cristina Sartori</u> , Francesco Tiezzi, Nadia Guzzo, Roberto Mantovani <i>Genotype by environment interactions and response to selection for productive traits in a local cattle breed</i>	O041
10:00 ----- 10.15	<u>Maria Chiara Fabbri</u> , Christos Dadousis, Stefano Biffani, Riccardo Negrini, Riccardo Bozzi <i>Conservation status and rates of inbreeding of Italian autochthonous beef breeds</i>	O042

10:15 ----- 10:30	Elena Ciani, Salvatore Mastrangelo, Kaouadji Zoubeyda, Meghelli Imane, Andrea Criscione, Szilvia Kusza, Taki Karsli, Samir Bachir Souheil Gaouar, Rosaria Lucchini, Fabio Pilla, Bovita Consortium <i>Twenty shades of grey. Combined analysis of genome wide SNP data in steppe cattle and in Mediterranean grey cattle shed new light on the molecular bases of coat colour</i>	O043
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9.00 ----- 10.30	SALA STAMPA LS, New emerging technologies in animal science I	
Chairs:	Paolo Bani, Massimo De Marchi	
9.00 ----- 9.15	Maddalena Zucali, Stefania Celozzi, Anna Sandrucci, Alberto Tamburini, Francesco Maria Tangorra, Lucio Zanini <i>How to measure milking efficiency in dairy cattle farms?</i>	O044
9.15 ----- 9.30	Monica Berlese, Stefano Bovolenta, Mirco Corazzin, Damiano Gianelle, Maurizio Ramanzin, Enrico Sturaro <i>Precision farming approach to assess grazing dairy cows adaptation to mountain pastur</i>	O045
9.30 ----- 9.45	Rosanna Marino, Francesca Petrera, Marisanna Speroni, Teresa Rutigliano, Andrea Galli, Fabio Abeni <i>Unravelling the relationship between milk quality and rumination by a PLF technology</i>	O046
9.45 ----- 10.00	Maura Sannino, Salvatore Faugno, Francesco Serrapica, Maria Luisa Varrichio, Fernando Grasso, Antonio Di Francia, Felicia Masucci <i>Automatic milking system in Mediterranean buffaloes: experimental results and considerations</i>	O047
10:00 ----- 10.15	Francesco Maria Tangorra, Veronica Redaelli, Fabio Luzi, Mauro Zaninelli <i>First evaluation of the infrared thermography as a tool for the detection of mechanical stress on cow udder teat due by milking</i>	O048
10:15 ----- 10.30	Marco Acciario, Valeria Giovanetti, Corrado Dimauro, Giampaolo Epifani, Carla Manca, Salvatore Contini, Andrea Cabiddu, Mauro Decandia, Giovanni Molle <i>Milk production of Sarda suckler cows with different calving period</i>	O049

9.00 ----- 10.30	SALA RAVELLO ES, Environmental impact of livestock I	
Chairs:	Fulvia Bovera, Claudio Cavani	
9.00 ----- 9.15	Stefania Colombini, Sara Savoldelli, Daniela Lupi, Gianluca Galassi <i>Growth of Hermetia Illucens on different food by-products: conversion efficiency and nutritive value. Part I</i>	O050
9.15 ----- 9.30	Luciana Bava, Costanza Jucker, Stefania Celozzi, Maddalena Zucali <i>Growth of Hermetia Illucens on different food by-products: environmental sustainability. Part II</i>	O051
9.30 ----- 9.45	David Meo Zilio, Monica Guarino Amato <i>Preliminary results of a systematic review on chemical and nutritional characteristics of Musca domestica and Hermetia illucens as feed</i>	O052

9.45 ----- 10.00	<u>Marco Meneguz</u> , Antonio Franco, Andrea Dama, Christian Caimi, Vanda Malfatto, Patrizia Falabella, Laura Gasco <i>Impact of different protein levels and substrates fermentation on the development of the first stages of black soldier fly (<i>Hermetia illucens</i>) larvae</i>	O053
10:00 ----- 10:15	<u>Marco Cullere</u> , Yazavinder Singh, Giulia Tasoniero, Joris Michiels, Antonella Dalle Zotte <i>Black soldier fly (<i>Hermetia illucens</i>) as dietary source for laying quails: live performance and physical traits of eggs</i>	O054
10:15 ----- 10:30	<u>Doriana Eurosia Angela Tedesco</u> , Cecilia Conti, Jacopo Bacenetti <i>Environmental sustainability assessment: from fruit and vegetable waste to earthworm as feed source</i>	O055

10.30 ----- 11.30	COFFEE BREAK / POSTER SESSION
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11:30 ----- 13.30	AUDITORIUM ULISSE - PLENARY SESSION Round table: "Functional food and human health"	
Chairs:	Giuseppe Campanile, Agostino Sevi	
11.30 ----- 12.00	MAIN LECTURE <u>Rosalba Giacco</u> <i>From healthy foods to functional foods</i>	IS004
12.00 ----- 12.30	MAIN LECTURE <u>Maria Luisa Balestrieri</u> <i>Functional metabolites in Mediterranean Buffalo productions: impact of innovative breeding techniques</i>	IS005
12.30 ----- 13.00	MAIN LECTURE <u>Antonella Baldi</u> <i>Antioxidants in animal nutrition: benefits and challenges</i>	IS006
13.00 ----- 13.30	Discussion	

13.30 ----- 15.00	LUNCH / POSTER SESSION
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15:00 ----- 17.15	AUDITORIUM ULISSE APHW, Animal nutrition: efficiency	
Chairs:	Federico Infascelli, Salvatore Claps	
15:00 ----- 15.15	<u>Vera Perricone</u> , Alessandro Agazzi, Annamaria Costa, Aldo Calcante, Giovanni Savoini, Massimo Lazzari, Federica Cheli, Antonio Crotti, Diego De Nisi, Francesco Maria Tangorra <i>Sources of variation in TMR delivered to dairy cows: a field study</i>	O081

15:15 ----- 15:30	<u>Fabio Omodei Zorini</u> , Elena Mariani, Thi Xuan Nguyen, Guido Invernizzi <i>Evaluation of Feed efficiency in Italian Holstein Friesian heifers and lactating cows</i>	O082
15:30 ----- 15:45	<u>Serena Calabrò</u> , Ivan B. Koura, Raffaella Tudisco, Nadia Musco, Alessandro Vastolo, Monica I. Cutrignelli <i>Forage from different area of Benin</i>	O083
15:45 ----- 16:00	<u>Gianni Matteo Crovetto</u> , Giulia Gislon, Stefania Colombini, Andrea Rota Graziosi, Maria Chiaravalli, Luca Rapetti <i>Milk production and digestibility in cows fed diets with different forage basis</i>	O084
16:00 ----- 16:15	Massimo Todaro, Antonino Di Grigoli, Maria Luisa Scatassa, Cinzia Cardamone, Concetta Maria Messina, Francesca Mazza, Adriana Bonanno <i>Prickly pear pulp in the feeding of livestock ruminants: preliminary investigation</i>	O085
16:15 ----- 16:30	<u>Luigi Gallo</u> , Luca Carraro, Sudeb Saha <i>Body weight and measures of purebred Holstein and crossbred cows from Viking Red, Montbéliarde and Holstein sires</i>	O086
16:30 ----- 16:45	<u>Sudeb Saha</u> , Stefano Schiavon, Luigi Gallo <i>Production efficiency of purebred Holstein and crossbred cows from Viking Red, Montbéliarde and Holstein sires</i>	O087
16:45 ----- 17:00	Nicola Bettiga, <u>Veronica Redaelli</u> , Veronica Redaelli, Fabio Luzi, Giovanni Savoini <i>Quality assessment of corn silage by infrared thermography</i>	O088
17:00 ----- 17:15	<u>Manuela Renna</u> , Anne Ferlay, Carola Lussiana, Benoît Graulet, Ueli Wyss, Luca Maria Battaglini, Mauro Coppa <i>Factors affecting the fatty acid profile of permanent grasslands</i>	O089

15:00 ----- 17:00	AUDITORIUM TRITONE ABG, New breeding technologies I	
Chairs:	Niccolò Pietro Paolo Macciotta, Alfredo Pauciullo	
15:00 ----- 15:15	<u>Martina Zappaterra</u> , Silvia Gioiosa, Giovanni Chillemi, Tiziana Castrignanò, Paolo Zambonelli, Roberta Davoli <i>Comparative analysis of Semimembranosus muscle transcriptome in Italian Large White pigs with high and low intramuscular fat content.</i>	O065
15:15 ----- 15:30	<u>Alberto Cesarani</u> , Giustino Gaspa, Lorenzo Degano, Daniele Vicario, Nicolò Pietro Paolo Macciotta <i>Runs of homozygosity of Simmental bulls raised in five European countries</i>	O066
15:30 ----- 15:45	<u>Enrico Mancin</u> , Bolivar Samuel Sosa-Madrid, Agustin Blasco, Roberto Mantovani, Noelia Ibañez-Escriche <i>Efficiency of imputation for genomic selection in rabbits</i>	O067
15:45 ----- 16:00	<u>Elisa Cotozzolo</u> , Simona Mattioli, Alice Cartoni Mancinelli, Michele Schiavitto, Paola Principe, Alessandro Dal Bosco, Cesare Castellini <i>Assessment of a fertility and a maternal behaviour index: effect of kindling order in three genetic lines of rabbits does</i>	O068

16:00 ----- 16:15	<u>Mario Graziano Usai</u> , Sara Casu, Bachisio Ziccheddu, Tiziana Sechi, Sabrina Miari, Patrizia Carta, Sotero Salaris, Antonello Carta <i>Using identity-by-descent probability to impute whole genome sequence variants in a nucleus flock</i>	O069
16:15 ----- 16:30	<u>Sara Casu</u> , Paolo Ajmone Marsan, Mario Barbato, Patrizia Carta, Marcello Del Corvo, Sotero Salaris, Tiziana Sechi, Mario Graziano Usai, Sabrina Miari, Antonello Carta <i>Biodivsel: Functional annotation of target regions based on whole genome resequencing of Sarda sheep</i>	O070
16:30 ----- 16:45	<u>Barbara Auzino</u> , Gianfranco Cosenza, Federica Salari, Mina Martini, Roberta Ciampolini <i>Gene structure analysis of donkey oxytocin-neurophysin I (OXT) gene and genetic variability detection</i>	O071
16:45 ----- 17:00	<u>Samanta Mecocci</u> , Stefano Capomaccio, Giovanni Chillemi, Andrea Giontella, Raffaele Cherchi, Maurizio Silvestrelli, Alessio Valentini, Katia Cappelli <i>Endurance exercise shifts mature mRNA towards introns: does stress enhance genome plasticity?</i>	O072

15:00 ----- 17:15	SALA STAMPA AP, Dairy small ruminant: functional food and marketing	
Chairs:	Marzia Albenzio, Antonio Pirisi	
15:00 ----- 15:15	<u>Adriana Campione</u> , Bernardo Valenti, Luciano Morbidini, Marcella Avondo, Giuseppe Luciano, Martyna Wilk, Pawel Migdal, Barbara Król, Camilla Pomente, Mariano Pauselli <i>Dietary hazelnut skins: effects on milk quality of dairy ewes</i>	O056
15:15 ----- 15:30	<u>Salvatore Claps</u> , Maria Antonietta Di Napoli, Lucia Sepe, Giovanni Annicchiarico <i>Effect of destoned olive cake on the milk fatty acid profile</i>	O057
15:30 ----- 15:45	<u>Nadia Musco</u> , Serena Calabrò, Olga Lai, Maria Ferrara, Cristina Roncoroni, Federico Infascelli <i>Influence of breeding system on ewe milk quality</i>	O058
15:45 ----- 16:00	Annamaria Perna, <u>Amalia Simonetti</u> , Giulia Grassi, Emilio Gambacorta <i>Efficiency in sheep milk production: comparison between extensive and intensive management systems</i>	O059
16:00 ----- 16:15	<u>Francesco Lai</u> , Fabio Correddu, Antonello Ledda, Mondina Francesca Lunesu, Roberto Rubattu, Antonio Mazza, Antonio Fenu, Alberto Stanislao Atzori, Antonello Cannas <i>Effect of forage quality on milk production of Sarda dairy ewes</i>	O060
16:15 ----- 16:30	<u>Annalaura Lopez</u> , Mauro Vasconi, Vittorio Maria Moretti, Federica Bellagamba <i>Influence of different livestock production systems in caprine milk and cheese odd and branched chain fatty acids (OBCFA) composition</i>	O061
16:30 ----- 16:45	<u>Matteo Daglio</u> , Francesco Pini, Anna Espinoza-Tofalos, Luciana Giovannetti, Arianna Buccioni, Andrea Franzetti, Carlo Viti <i>Is pink discoloration defect in Pecorino cheese due to Thermus thermophilus presence?</i>	O062

16:45 ----- 17:00	<u>Lucia Sepe</u> , Rosanna Salvia, Francesco Paladino, Salvatore Claps, Giovanni Quaranta <i>The answer of the consumers to a cheese with natural vegetable rennet</i>	O063
17:00 ----- 17:15	<u>Arzu Gökdağ</u> , Engin Sakarya, Barbara Contiero, Flaviana Gottardo <i>Socio-Economic Analysis and Current Problems of Saanen Goat Farms in Turkey: A case of Çanakkale Province</i>	O064

15:00 ----- 17:00	SALA RAVELLO LS, New protein sources in aquaculture	
Chairs:	Laura Gasco, Giovanni Piccolo	
15:00 ----- 15:15	<u>Federico Nassivera</u> , Francesca Tulli, Emilio Tibaldi <i>Millennials' attitudes towards insects as feed for sustainable fish</i>	O073
15:15 ----- 15:30	<u>Enrico Daniso</u> , Maria Messina, Francesca Tulli <i>Molecular based identification of insect ingredients in animal feed</i>	O074
15:30 ----- 15:45	<u>Ilaria Biasato</u> , Elena Colombino, Giulia Chemello, Christian Caimi, Marco Meneguz, Sihem Dabbou, Maria Teresa Capucchio, Achille Schiavone, Francesco Gai, Laura Gasco <i>Dietary Tenebrio molitor larva meal inclusion in rainbow trout diets: preliminary results about animal and gut health implications</i>	O075
15:45 ----- 16:00	<u>Christian Caimi</u> , Ilaria Biasato, Giulia Chemello, Achille Schiavone, Marco Meneguz, Sihem Dabbou, Manuela Renna, Francesco Gai, Laura Gasco <i>High protein Tenebrio molitor larvae meal in rainbow trout diet</i>	O076
16:00 ----- 16:15	<u>Simona Rimoldi</u> , Laura Gasco, Chiara Ceccotti, Micaela Antonini, Genciana Terova <i>Black soldier fly (Hermetia illucens) larvae meal as a dietary protein source for rainbow trout (Oncorhynchus mykiss): effects on allochthonous and autochthonous gut microbial communities</i>	O077
16:15 ----- 16:30	<u>Leonardo Bruni</u> , Giulia Secci, Matteo Zarantoniello, Basilio Randazzo, Ike Olivotto, Fabio Mina, Francesca Tulli, Giuliana Parisi <i>Lipid metabolism and fillet quality of rainbow trout fed diets including Hermetia illucens full-fat larvae</i>	O078
16:30 ----- 16:45	Giulia Maricchiolo, Biagina Chiofalo, <u>Letteria Caccamo</u> , Giovanni Marco Cusi-mano, Lucrezia Genovese, Laura Gasco, Francesco Gai <i>Effects of dietary inclusion of defatted black soldier fly (Hermetia illucens) meal on gut health in gilthead seabream (Sparus aurata).</i>	O079
16:45 ----- 17:00	Giulia Secci, Leonardo Bruni, Monica Borgogno, Ikram Belghit, Erik-Jan Lock, Giuliana Parisi <i>Fillet qualitative characteristics of Atlantic salmon fed diets including Hermetia illucens larvae</i>	O080

18:00 ----- 20.00	OPENING CEREMONY in TASSO THEATER	
Chair:	Bruno Ronchi	
	MAIN LECTURE <u>Luigi Zicarelli</u> <i>Modern breeding, taste of products of animal origin and future of Italian breeding</i>	IS007
	MAIN LECTURE <u>Antonio Limone</u> <i>The role of the Vet in the One Health</i>	IS008

8.45 ----- 10.30	AUDITORIUM ULISSE	
Chairs:	Rossella Di Palo, Rosaria Marino	
8.45 ----- 9.30	PLENARY SESSION "Beef production and quality" - MAIN LECTURE <u>Jean François Hocquette</u> <i>For a better future of beef production: improved carcass grading, eating quality and livestock systems, but no cultured meat</i>	IS009
09:30 ----- 10.30	AP, Meat quality	
9.30 ----- 9.45	<u>Valeria Petrecca</u> , Siria Tavaniello, Rossella Mucci, Daniela Prioriello, Giancarlo Salvatori, Ondřej Bučko, Giuseppe Maiorano <i>Quality and safety of meat from wild boar hunted in Molise region</i>	O090
9.45 ----- 10.00	<u>Aristide Maggiolino</u> , Rosaria Marino, Alessandra Tateo, Pasquale Centoducati, Jose Manuel Lorenzo, Pasquale De Palo <i>Effect of aging time on the volatile compounds profile of donkey meat</i>	O091
10.00 ----- 10.15	<u>Smili Hanane</u> , Samira Becila, Radjeb Ayad, Fatima Zohra Chakou, Marzia Albenzio, Mariangela Caroprese, Antonella Santillo, Agostino Sevi, Baaissa Babelhadj, Abdelkader Adamou, Abdelghani Boudjellal, Rosaria Marino <i>Dromedary meat proprieties: case of algerien sahraoui dromedary</i>	O092
10:15 ----- 10.30	<u>Qianlin Ni</u> , Matteo Bergamaschi, Franco Biasioli, Iuliia Khomenko, Giovanni Bittante <i>Effect of cooking method on the volatile organic compound profile of meat of different species identified by PTR-ToF-MS</i>	O093

9.30 ----- 10.30	AUDITORIUM TRITONE AP, New frontiers in milk quality	
Chairs:	Angela Gabriella d'Alessandro, Ada Braghieri	
9.30 ----- 9.45	<u>Angela Salzano</u> , Jacopo Troisi, Anna Balestrieri, Giovanni Scala, Francesco Vinale, Giuseppe Campanile <i>Traceability of buffalo milk and mozzarella cheese through metabolomic profile</i>	O094
9.45 ----- 10.00	<u>Nunzia D'Onofrio</u> , Alessandra Monaco, Angelo Capasso, Rosario Casale, Gianluca Neglia, Giuseppe Campanile, Maria Luisa Balestrieri <i>Antioxidant and Anti-Inflammatory Activities of Buffalo Milk Bioactive Metabolites</i>	O095
10.00 ----- 10.15	<u>Beatrice Tozzi</u> , Domenico Gatta, Marco Mariotti, Lucia Casini, Sara Minieri <i>Study of nutraceutical substances (Rutin) in sheep's milk fed with buckwheat hay</i>	O096
10.15 ----- 10.30	<u>Iolanda Altomonte</u> , Elio Novembre, Giovanni Brajon, Fina Belli, Franco Corrias, Rosario Licitra, Federica Salari, Lucrezia Sarti, Mina Martini <i>Use of donkey milk in infant feeding</i>	O097

9.30 ----- 10.30	SALA STAMPA APHW, Reproduction I	
Chairs:	Gianluca Neglia, Nicolaia Iaffaldano	
9.30 ----- 9.45	<u>Fabio Mosca</u> , Ahmad Abdel Sayed, Maria Grazia Mangiagalli, Silvia Cerolini, Luisa Zaniboni Quality of chicken semen cryopreserved with different N-methylacetamide concentrations combined with trehalose	O098
9.45 ----- 10.00	<u>Marek Bednarczyk</u> , Maria Wiechetek, Ewa Lukaszewicz, Artur Kowalczyk Influence of germ line chimerism on chicken reproductive traits	O099
10.00 ----- 10.15	<u>Michele Di Iorio</u> , Giusy Rusco, Angelo Manchisi, Silvia Cerolini, Nicolaia Iaffaldano How can the honey improve the post-thaw quality of turkey spermatozoa?	O100
10.15 ----- 10.30	<u>Giusy Rusco</u> , Michele Di Iorio, Stefano Esposito, Pier Paolo Gibertoni, Bruno Testa, Silvia Cerolini, Alessandra Roncarati, Maria Silvia D'Andrea, Nicolaia Iaffaldano Thawing rate effects the cryosurvival of Mediterranean brown trout spermatozoa	O101

9.30 ----- 10.30	SALA RAVELLO LS, Aquaculture	
Chairs:	Giuliana Parisi, Francesca Tulli	
9.30 ----- 9.45	<u>Nicole Francesca Pelusio</u> , Luca Parma, Serena Busti, Stefano Porcelli, Enric Gisbert, Maria Angeles Esteban-Abad, Federica D'Amico, Matteo Soverini, Oliviero Mordenti, Antonio Casalini, Pier Paolo Gatta, Alessio Bonaldo Effects of rearing density on growth, welfare indicators and digestive Conditions of Gilthead sea bream (<i>Sparus aurata</i>, L. 1758) fed different fish meal and fish oil dietary levels	O102
9.45 ----- 10.00	<u>Francesco Bordignon</u> , Gerolamo Xiccato, Cristina Zomeño, Anton Pascual, Marco Birolo, Emanuele Rossetti, Angela Trocino Pre-fattening of Manila clams in a Po Delta lagoon: effect of stocking density in suspended lanterns	O103
10.00 ----- 10.15	<u>Benedetto Sicuro</u> , Beatriz Castelar Integrated freshwater aquaculture: potentialities and limitations of freshwater bivalves utilization	O104
10.15 ----- 10.30	<u>Matteo Dell'Anno</u> , Stefania Sotira, Monika Hejna, Valentina Caprarulo, Serena Reggi, Luciana Rossi In vitro evaluation of macroalgae (<i>Ascophyllum nodosum</i> and <i>Lithothamnium calcareum</i>) and microalgae (<i>Schizochytrium</i> spp.) for animal nutrition	O105
10.30 ----- 11.30	COFFEE BREAK / POSTER SESSION	

11:30 ----- 13:30	AUDITORIUM ULISSE AP, Meat production, management and marketing perspective	
Chairs:	Giuseppe Maiorano, Pasquale Centoducati	
11:30 ----- 11:45	Lorenzo Bussotti, <u>Gabriele Ferrini</u> , Federico Fava, Giulia Berni, Matilde Ciani, Christos Dadousis <i>In vitro cultured meat: An Italian consumer survey</i>	O106
11:45 ----- 12:00	Ruggero Menci, Mariano Pauselli, Adriana Campione, Camilla Pomente, <u>Luciano Morbidini</u> <i>Consumer test with salami from "Umbria" medium-heavy pork, fed traditional or experimental diet with hazelnut perisperm.</i>	O107
12:00 ----- 12:15	<u>Simona Mattioli</u> , Alessandro Dal Bosco, Matics Zsolt, Gerencsér Zsolt, Marco Cullere, Szendrő Zsolt, Cesare Castellini, Antonella Dalle Zotte <i>Effect of dietary liquorice extract on the oxidative status of rabbit burgers</i>	O108
12:15 ----- 12:30	<u>Simone Mancini</u> , Roberta Nuvoloni, Francesca Pedonese, Simona Mattioli, Alessandro Dal Bosco, Gisella Paci <i>Effects of garlic powder and salt additions in rabbit meat burgers</i>	O109
12:30 ----- 12:45	<u>Marisa Palazzo</u> , Francesco Vizzarri, Angela Gabriella D'Alessandro, Giovanni Martemucci, Raffaella Rossi, Sabrina Ratti, Carlo Corino, Donato Casamassima <i>Dietary effect of dried bay (<i>Laurus Nobilis</i>) meal on rabbit meat quality</i>	O110
12:45 ----- 13:00	<u>Massimiliano Petracci</u> , Andressa Kühnen Silva, Francesca Soglia, Claudio Cavanani <i>Evaluation of Pectoralis minor gaping defect in broiler chickens</i>	O111
13:00 ----- 13:15	<u>Giuseppe Maiorano</u> , Siria Tavaniello, Anna Slawinska, Micol Bertocchi, Marco Zampiga, Marisa Palazzo, Ongwech Acaye <i>In ovo delivery of GOS in slow-growing broiler chickens exposed to heat stress: implications for meat quality traits</i>	O112
13:15 ----- 13:30	<u>Francesca Soglia</u> , Andressa Kühnen Silva, Luciano Morais Lião, Luca Laghi, Massimiliano Petracci <i>¹H NMR metabolite profiling of broiler breast meat affected by muscular abnormalities</i>	O113

11:30 ----- 12:45	AUDITORIUM TRITONE ABG, Small ruminants genetics	
Chairs:	Fabio Pilla, Elena Ciani	
11:30 ----- 11:45	<u>Licia Colli</u> , Paola Crepaldi, Paolo Ajmone-Marsan, Alessandra Stella, Gwenola Tosser-Klopp, The VarGoats Consortium <i>VarGoats international initiative, a 1000 goat genomes project</i>	O114
11:45 ----- 12:00	<u>Maria Teresa Sardina</u> , Salvatore Mastrangelo, Marco Tolone, Anna Maria Suteira, Angelo Moscarelli, Baldassare Portolano, Rosalia Di Gerlando <i>Copy Number Variations in Sicilian goat breeds inferred from GoatSNP50 BeadChip</i>	O115
12:00 ----- 12:15	Claudio Cipolat-Gotet, Michele Pazzola, Alessandro Ferragina, Andrea Summer, Maria Luisa Dettori, Giuseppe Massimo Vacca <i>Coagulation ability of goat milk from 4 breeds predicted by Fourier-transform infrared spectroscopy</i>	O116

12.15 ----- 12.30	<u>Rosalia Di Gerlando</u> , Maria Teresa Sardina, Anna Maria Sutera, Marco Tolone, Baldassare Portolano, Salvatore Mastrangelo Identification of copy number variations in Sicilian sheep breeds	O117
12.30 ----- 12.45	Pasqua Rotondi, Maria Antonietta Colonna, Marco Ragni, Prospero Cagnetta, Simona Tarricone, <u>Simona Tarricone</u> Influence of genotype on meat quality in kids	O120

11.30 ----- 13.30	SALA STAMPA LS, Joint session pig	
Chairs:	Giovanna Martelli, Emilio Gambacorta	
11.30 ----- 11.45	Samuele Bovo, Giuseppina Schiavo, Anisa Ribani, Valerio Joe Utzeri, Claudia Geraci, <u>Luca Fontanesi</u> Genetic diversity and signatures of selection in Italian pig breeds and wild boars revealed by whole genome resequencing	O127
11.45 ----- 12.00	<u>Silvia Tinarelli</u> , Valerio Joe Utzeri, Anisa Ribani, Claudia Geraci, Stefania Dall'Olio, Claudio Bovo, Maurizio Gallo, Luca Fontanesi Mora Romagnola pig breed production chain: MC1R and NR6A1 polymorphisms can link the Herd Book to a DNA based system useful for the authentication of its pork products	O128
12.00 ----- 12.15	<u>Paolo Trevisi</u> , Diana Luise, Martina Bertocchi, Vincenzo Motta, Chiara Salvarani, Andrea Luppi, Flaminia Fanelli, Maurizio Mazzoni, Bea K.K. Nielsen, Paolo Bosi Effectiveness of <i>Bacillus amyloliquefaciens</i> or <i>Bacillus subtilis</i> to counteract <i>Escherichia coli</i> F4ac infection in weaned pigs	O129
12.15 ----- 12.30	<u>Gizella Aboagye</u> , Stefania Dall'Olio, Martina Zappaterra, Vincenzo Pace, Leonardo Nanni Costa Relationship between in vivo skin discoloration and carcass skin lesions in Italian heavy pigs	O130
12.30 ----- 12.45	<u>Chiara Aquilani</u> , Francesco Sirtori, Oreste Franci, Ilaria Galigani, Antonio Pezzati, Carolina Pugliese Cinta Senese protein requirements from 30 to 65 kg: effects of different dietary protein levels on slaughtering traits and protein deposition indexes	O131
12.45 ----- 13.00	<u>Francesco Sirtori</u> , Chiara Aquilani, Oreste Franci, Doria Benvenuti, Carolina Pugliese Effect of free-range grass grazing on two pigs' genetic types	O132
13.00 ----- 13.15	<u>Riccardo Bozzi</u> , Alessandro Crovetto, Lapo Nannucci, Antonio Bonelli, Sandra Gasparini, Silvia Parrini Use of FT- NIRS to estimate subcutaneous fatty acid groups in autochthonous European pig breeds	O133
13.15 ----- 13.30	<u>Matteo Ottoboni</u> , Alice Luciano, Gianluca Giuberti, Luciano Pinotti Predicted glycemic index in bakery/confectionary former food products and in former food based pig diet	O134

11:30 ----- 13:00	SALA RAVELLO APHW, Animal Welfare I	
Chairs:	Fabio Napolitano, Silvana Mattiello	
11:30 ----- 11:45	<u>Marco Birolo</u> , Angela Trocino, Andrea Zuffellato, Gerolamo Xiccato <i>Time-based feed restriction and group size in growing rabbits: effects on health status and growth performance</i>	O121
11:45 ----- 12:00	<u>Marta Brscic</u> , Luisa Magrin, Giulio Cozzi <i>Veal calves' abomasal lesions and rumen mucosa alterations investigated post-mortem: is there any way to differentiate "good" from "bad" farms?</i>	O122
12:00 ----- 12:15	Felicetta Carillo, <u>Marisanna Speroni</u> <i>Relationships between farm productivity and housing space allowance. An analysis on a sample of Italian dairy farms</i>	O123
12:15 ----- 12:30	<u>Marco Iannaccone</u> , Andrea Ianni, Ramy Elgendy, Fiorentina Palazzo, Mery Giantin, Lisa Grotta, Gianfranco Cosenza, Mauro Dacasto, Giuseppe Martino <i>Transcriptome profiling of ruminants fed with a micronutrient-supplemented diet</i>	O124
12:30 ----- 12:45	<u>Vincenzo Lopreiato</u> , Andrea Minuti, Domenico Britti, Fiorenzo Piccioli Cappelli, Juan J. Loor, Erminio Trevisi <i>Post calving gene expression of whole blood leukocytes in Simmental and Holstein cows following pegbovigrastim (rbG-CSF) treatment</i>	O125
12:45 ----- 13:00	<u>Edo D'Agaro</u> , Andrea Favaro, Stefano Matussi, Natalia Akentieva <i>Effects of the nutritional status before of slaughter on the transcriptome and differential expression analysis in rainbow trout (Oncorhynchus mykiss)</i>	O126

13:30 ----- 15:00	LUNCH / POSTER SESSION
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15:00 ----- 17:00	AUDITORIUM ULISSE APHW, Animal health	
Chairs:	Antonella Santillo, Giuseppe Pulina	
15:00 ----- 15:30	MAIN LECTURE <u>Lorraine M. Sordillo</u> <i>Oxylipids and Inflammatory Disorders of Dairy Cows</i>	IS010
15:30 ----- 15:45	<u>Giuseppe Conte</u> , Luca Turini, Francesca Bonelli, Marcello Mele <i>Multivariate factor analysis of milk fatty acid profile: effect of different somatic cells count on nutraceutical composition of single udder quarter</i>	O135
15:45 ----- 16:00	<u>David Wilson</u> , Justine E. Britten, Kerry A. Rood <i>Intramammary infusion of casein hydrolysate for involution of a single mastitic quarter for the remainder of lactation in dairy cows</i>	O136

16:00 ----- 16.15	<u>Adriana Bonanno</u> , Marco Alabiso, Massimo Todaro, Giuseppe Di Miceli, Giuseppe Maniaci, Francesca Mazza, Maria Letizia Gargano, Giuseppe Venturella, Antonino Di Grigoli <i>Production, oxidation traits and health of dairy ewes fed diets supplemented with fungus myceliated grains</i>	O137
16:15 ----- 16.30	<u>Gabriele Acuti</u> , Claudio Forte, Roberto D'Amato, Daniela Beghelli, Luca Regni, Fabrizio Rueca, Primo Proietti, Daniela Businelli, Massimo Trabalza-Marinucci <i>Use of selenium-enriched olive leaves in sheep diets: effects on performance, oxidative status and milk and plasma selenium levels</i>	O138
16:30 ----- 16.45	<u>Anna Nudda</u> , Giovanna Buffa, Eleni Tsiplakou, Maria Grazia Cappai, Gesumino Spano, Giuseppe Pulina <i>Effects of by-products on oxidative status, metabolic profile, and performance in dairy sheep</i>	O139
16:45 ----- 17.00	<u>Angela Costa</u> , Massimo De Marchi, Giuseppe Campanile, Riccardo Negrini, Gianluca Neglia <i>Effect of milk somatic cell level on lifetime milk-related performances in Italian water buffaloes</i>	O168

15:00 ----- 17.00	AUDITORIUM TRITONE ES, Environmental impact of livestock II	
Chairs:	Matteo Crovetto, Fabio Abeni	
15:00 ----- 15.30	MAIN LECTURE <u>Michael J. D'Occhio</u> <i>Feed efficiency, microbiome and sustainable animal production</i>	IS012
15:30 ----- 15.45	<u>Enrico Sturaro</u> , Marco Berton, Stefano Bovolenta, Maurizio Ramanzin, Chiara Spiegarelli, Anna Zuliani <i>Added value of dairy farming in mountain areas: an Ecosystem Services approach</i>	O146
15:45 ----- 16.00	<u>Mondina Francesca Lunesu</u> , Alberto Stanislao Atzori, Fabio Correddu, Francesco Lai, Roberto Rubattu, Gesumino Spanu, Antonello Cannas <i>Carbon footprint of dairy sheep farms located in different forage systems of Sardinia</i>	O147
16:00 ----- 16.15	<u>Daniela Lovarelli</u> , Giuliana D'Imporzano, Alberto Tamburini <i>Environmental sustainability in dairy farms producing milk for Grana Padano and Parmigiano Reggiano cheese production</i>	O148
16:15 ----- 16.30	<u>Federico Foldi</u> , Sara Corrado, Francesco Masoero, Maurizio Moschini <i>Parameters affecting the carbon footprint of milk at the farm gate</i>	O149
16:30 ----- 16.45	<u>Giulia Gislon</u> , Luciana Bava, Giorgio Borreani, Aldo Dal Prà, Maria Teresa Pacchioli, Ernesto Tabacco, Anna Sandrucci <i>Greenhouse gas emissions associated to cattle milk production in northern Italy</i>	O150
16:45 ----- 17.00	<u>Severino Segato</u> , Giorgia Riuzzi, Vittoria Bisutti, Lorenzo Serva, Flaviana Gottardo <i>Effect of the main dietary roughage source on the N-nutrient use efficiency (N-NUE) in dairy system</i>	O151

15:00 ----- 16.45	SALA STAMPA ABG, New breeding technologies II	
Chairs:	Emiliano Lasagna, Mauro Penasa	
15:00 ----- 15.30	MAIN LECTURE <u>Martino Cassandro</u> Emerging topics in livestock breeding and production	IS011
15:30 ----- 15.45	<u>Giulio Visentin</u> , Raffaella Finocchiaro, Maurizio Marusi Revision of the Aggregate Fertility Index for Italian Holstein-Friesian Dairy Cattle	O141
15:45 ----- 16.00	<u>Nicolò Amalfitano</u> , Giorgia Stocco, Alice Maurmayr Variation of milk protein profile of cows from multi-breed herds	O142
16:00 ----- 16.15	<u>Giustino Gaspa</u> , Alberto Cesarani, Fabio Correddu, Maria Usala, Corrado Dimauro, Nicolò Pietro Paolo Macciotta Genomic predictions of milk coagulation properties	O143
16:15 ----- 16.30	<u>Nicolò Pietro Paolo Macciotta</u> , Alberto Cesarani, Massimo Cellesi, Corrado Dimauro, Giustino Gaspa Genomic breeding values accuracies using phenotypes or genotypes	O144
16:30 ----- 16.45	<u>Michela Ablondi</u> , Claudio Cipolat-Gotet, Jan-Thijs Van Kaam, Massimo Malacarne, Alberto Sabbioni, Andrea Summer Signatures of selection in the genome of Italian Holstein cattle for cheese production	O145

15:00 ----- 17.00	SALA RAVELLO AP, Meat quality	
Chairs:	Marcello Mele, Gerolamo Xiccato	
15:00 ----- 15.30	MAIN LECTURE <u>Andrea Serra</u> The oxidation of the lipids in meat. The process, the effect on human health and the procedures for a correct quantification	IS013
15:30 ----- 15.45	<u>Francesca Ciucci</u> , Roberta Nuvoloni, Leonor Corrales Retana, Laura Casarosa, Barbara Turchi, Alice Cappucci, Domenico Cerri, Marcello Mele Effect of rearing system and packaging method on lipid oxidation and shelf life of beef from Aubrac steers during storage	O152
15:45 ----- 16.00	<u>Miriam Iacurto</u> , Michela Contò, Francesca Ciucci, Laura Casarosa Cattle rearing at pasture or in feedlot farming: quality of meat	O153
16:00 ----- 16.15	<u>Silvia Parrini</u> , Valentina Becciolini, Lapo Nannucci, Antonio Bonelli, Anna Acciaioli Effect of different farming systems on meat quality of Massese lambs	O154
16:15 ----- 16.30	<u>Leonor Corrales Retana</u> , Eleonora Bulleri, Alice Cappucci, Giuseppe Conte, <u>Andrea Serra</u> Effect of Polyphenols supplementation on growth performance and meat shelf life of broiler chicken	O155

16:30 ----- 16:45	Massimo Trabalza-Marinucci, Roberta Galarini, Raffaella Branciarì, Patrizia Casagrande-Proietti, Laura Vieceli, Flavia Lucignani, Dino Miraglia, Maria Pia Franciosini, Gabriele Acuti <i>Effects of two different olive mill wastewaters on growth performance, quality of meat and Campylobacter loads in broiler chickens</i>	O156
16:45 ----- 17:00	Siria Tavaniello, Anna Slawinska, Micol Bertocchi, Rossella Mucci, Valeria Petrecca, Federico Sirri, Giuseppe Maiorano <i>In ovo delivery of GOS in fast-growing broiler chickens exposed to heat stress: implications for meat quality traits</i>	O157
17.00 ----- 17.30	COFFEE BREAK	
17:30 ----- 18.00	ORAL PRESENTATIONS & POSTER AWARDS	
18:00 ----- 20.00	MEETING OF ASPA MEMBERS	
21.00	SOCIAL DINNER (CIRCOLO DEI FORESTIERI)	

9.00 ----- 11.15	AUDITORIUM ULISSE	
Chairs:	Pasquale De Palo, Umberto Bernabucci	
9.00 ----- 9.45	PLENARY SESSION "Heat stress in cattle" - MAIN LECTURE <u>Geoffrey E. Dahl</u> , Jimena Laporta <i>Late gestation heat stress in dairy cows: effects on dam and daughter</i>	IS014
9.45 ----- 11.15	APHW, Climate	
9.45 ----- 10.00	<u>Luisa Magrin</u> , Marta Brscic, Isabella Lora, Giulio Cozzi <i>Effect of different flooring systems on claw condition of finishing beef cattle during warm and cold seasons</i>	O158
10.00 ----- 10.15	<u>Paolo Ajmone Marsan</u> , Marcello Del Corvo, Emanuele Capra, Barbara Lazzari, Ludmilla Zavarez, Marco Milanese, Yuri Tani Utsunomiya, Adam Taiti, Guillermo De Paula Noguiera, Josè Fernando Garcia <i>Methylomes of indicine and taurine cattle under heat challenge</i>	O159
10.15 ----- 10.30	<u>Pasquale De Palo</u> , Aristide Maggiolino, Umberto Bernabucci, Attilio Rossoni, Enrico Santus, Andrea Vitali <i>Heat stress in Italian Brown Swiss</i>	O161

9.45 ----- 10.45	AUDITORIUM TRITONE	
9.45 ----- 10.45	<u>Brunella Restucci</u> - MEETING WITH THE REPRESENTATIVE OF THE NATIONAL UNIVERSITY COUNCIL (CUN)	

9.45 ----- 10.45	SALA STAMPA APHW, Companion animals	
Chairs:	Bruno Stefanon, Biagina Chiofalo	
9.45 ----- 10.15	MAIN LECTURE <u>Giacomo Biagi</u> , Carla Giuditta Vecchiato, Monica Grandi, Carlo Pinna <i>Nutritional modulation of canine and feline intestinal microbiota</i>	IS015
10.15 ----- 10.30	Monica I. Cutrignelli, <u>Nadia Musco</u> , Alessandro Vastolo, Marcia O.S. Gomes, Aulus C. Carciofi <i>Digestibility of extruded diets for cats: in vitro vs. in vivo</i>	O162
10.30 ----- 10.45	<u>Elisa Scarsella</u> , Misa Sandri, Michela Cintio, Sandy Sgorlon, Giuseppe Conte, Bruno Stefanon <i>DogBiome: the gut microbiome project for dog</i>	O163

9.45 ----- 10.45	SALA RAVELLO ABG, Genome editing	
Chairs:	Antonino Nizza, Giulio Pagnacco	
9.45 ----- 10.15	MAIN LECTURE <u>Giulio Pagnacco</u> , Giulietta Minozzi <i>Selection and conservation of Apis mellifera at the time of globalization</i>	IS016
10.15 ----- 10.30	<u>Giulietta Minozzi</u> , Gustavo Gandini, Barbara Lazzari, Elena Facchini, Cecilia Costa, Andrea Talenti, Giulio Pagnacco <i>Unveiling the Biodiversity of the Italian Honeybees by Next Generation Sequencing</i>	O164
10.30 ----- 10.45	<u>Elena Ciani</u> , Pamela Burger, Samantha Brooks, Faisal Almathen, the International Camel Consortium for Genetic Improvement and Conservation <i>The Illumina® Greater Good Initiative. A further step toward inclusion of camels in the “agrigenomic revolution”</i>	O165

10.45 ----- 11.15	COFFEE BREAK
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11.15 ----- 12.30	AUDITORIUM ULISSE APHW, Reproduction II	
Chairs:	Bianca Gasparrini, Riccardo Negrini	
11.15 ----- 11.45	MAIN LECTURE <u>Pietro S. Baruselli</u> <i>Endocrine and physiological differences between bovine and buffalo females and their impact on assisted reproductive technologies</i>	IS017
11.45 ----- 12.00	<u>Nageshvar Patel</u> , Matteo Bergamaschi, Giovanni Bittante <i>Combined use of dairy sexed semen and double-muscled breed semen for beef crossbred calves production in dairy herds</i>	O166
12.00 ----- 12.15	<u>Stefano Biffani</u> , Roberta Cimmino, Giuseppe Campanile, Gianluca Neglia, Rossella Di Palo, Riccardo Negrini, Dario Rossi, Giacomo Bertolini <i>Developing a new selection index for the Italian Mediterranean Buffalo (Bubalus Bubalis)</i>	O167
12.15 ----- 12.30	Riccardo Negrini, Mario Barbato, Licia Colli, Yuri T. Utsunomiya, Jesus R.V. Herrera, Libertado Cruz, Pietro S. Baruselli, Maria E.J. Amaral, Marcela G. Drummond, José F. Garcia, John L. Williams, The International Water Buffalo Consortium, Paolo Ajmone-Marsan <i>Adaptive introgression of river-buffalo derived regions in the genome of Brazilian Carabao swamp buffalo</i>	O169

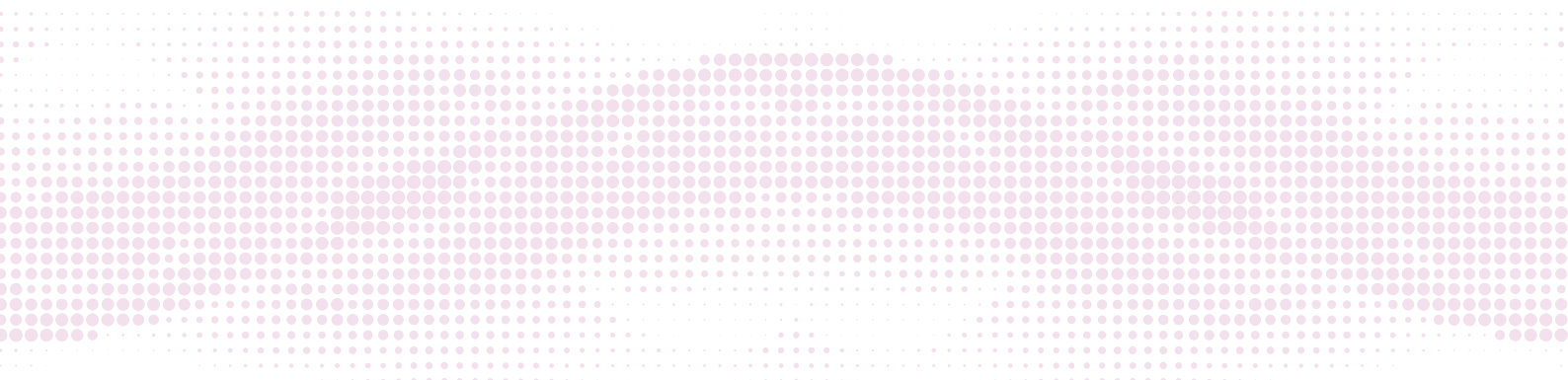
11:15 ----- 12:45	AUDITORIUM TRITONE APHW, Animal Welfare II	
Chairs:	Giuseppe de Rosa, Elisabetta Canali	
11.15 ----- 11.45	MAIN LECTURE Fabio Napolitano <i>Animal Welfare Assessment: towards a simplification</i>	IS018
11.45 ----- 12.00	<u>Mirco Corazzin</u> , Monica Berlese, Anna Zuliani, Edi Piasentier, Domenico Vecchio <i>Animal welfare and environmental sustainability of dairy buffalo farms in Northern Italy</i>	O170
12.00 ----- 12.15	<u>Francesco Serrapica</u> , Fabio Napolitano, Ada Braghieri, Giovanni Migliori, Felicia Masucci, Antonio Di Francia, Fernando Grasso, Giuseppe De Rosa <i>Risk factors associated with the expression of cross-sucking and inter-sucking in buffaloes</i>	O171
12.15 ----- 12.30	<u>Monica Battini</u> , Anna Agostini, Silvana Mattiello <i>How can we understand the emotional state of cattle for welfare evaluation purpose?</i>	O172
12.30 ----- 12.45	<u>Alice Cartoni Mancinelli</u> , Andrea Aliberti, Simona Mattioli, Elisa Cotozzolo, Monica Guarino Amato, Alessandro Dal Bosco, Cesare Castellini <i>Behaviour assessment of different poultry genotypes organically reared with computerized video recording system.</i>	O173

11:15 ----- 12:30	SALA STAMPA LS, Companion animals	
Chairs:	Bruno Stefanon, Biagina Chiofalo	
11.15 ----- 11.30	<u>Bruno Stefanon</u> , Michela Cintio, Elisa Scarsella, Lucilla Iacumin <i>Interplay between salivary biomarkers and gut microbiome in dogs</i>	O174
11.30 ----- 11.45	<u>Natalia Russo</u> , Elena Pagani, Achille Schiavone, Laura Gasco, Joana Nevy, Silvia Martínez, Fuensanta Hernandez, Josefa Madrid, Liviana Prola <i>In vivo and in vitro digestibility of extruded dog foods with <i>Hermetia illucens</i></i>	O175
11.45 ----- 12.00	<u>Alessia Candellone</u> , Liviana Prola, Pier Giorgio Peiretti, Sonia Tassone, Erica Longato, Daniele Pattono, Natalia Russo, Giorgia Meineri <i>In vivo and in vitro digestibility, palatability and nutritive quality of extruded dog food based on fresh meat or meat by-product</i>	O176
12.00 ----- 12.15	<u>Emiliano Lasagna</u> , Simone Ceccobelli, Amparo Martinez Martinez, Hovirag Lancioni, Vincenzo Landi, Mario Cosenza, Anthony Gruppeta, Francesca Maria Sarti, Vincenzo Chiofalo, Carlos San José, Luis Monteagudo Ibanez, Luigi Liotta, George Attard <i>Genetic variability assessment in different Mediterranean canine breeds using microsatellite markers</i>	O177
12.15 ----- 12.30	<u>Paola Crepaldi</u> , Stefano Frattini, Alessio Negro, Matteo Cortellari, Andrea Talenti <i>Metigree: a genomic tool to enhance the well-being of Italian mongrel dogs</i>	O178

11:15 ----- 12:30	SALA RAVELLO LS, New emerging technologies in animal science	
Chairs:	Annamaria Perna, Antonio Di Francia	
11.15 ----- 11.30	<u>David Wilson</u> , John Middleton, Pamela Adkins, Gregory M. Goodell <i>Conventional culture, MALDI-TOF and 16S rRNA compared for test agreement in diagnosis of bacteria in bovine milk samples</i>	O179
11.30 ----- 11.45	<u>Carlotta Giromini</u> , Raffaella Rebutti, Gabriella Tedeschi, Tamil Selvi Sundaram, Federica Cheli, Antonella Baldi <i>Angiotensin Converting Enzyme-1 inhibitory activity of milk proteins evaluated after in vitro digestion and peptidomic analysis</i>	O180
11.45 ----- 12.00	<u>Corrado Dimauro</u> , Salvatore Pier Giacomo Rassu, Rossella Cossu, Maria Gabriella Serra, Carla Manca, Andrea Cabiddu, Marco Acciaro, Giovanni Molle, Mauro Mameli, Mauro Decandia, Valeria Giovanetti <i>The ability of the Partial Least Square Regression to predict the number of bites in Sarda dairy sheep by using acceleration data</i>	O181
12.00 ----- 12.15	<u>Nadia Piscopo</u> , Andrea Amici, Maria Pia Pasolini, Giovanni Della Valle, Pierpaolo Coluccia, Orlando Paciello, Luigi Esposito <i>Evaluation of the foal <i>Esperia</i> ponies' mortality attributable to predation by roaming dogs or wolves</i>	O182



POSTER PRESENTATIONS
12TH AND 13TH JUNE 2019



WEDNESDAY 12TH JUNE 2019
(P001 - P050, P158 AND P130 - P156)

ANIMAL BREEDING AND GENOMICS

- Ali Zidi, Tania Bobbo, Mauro Penasa, Martino Cassandro
Estimated breeding values of differential somatic cell count in Italian Holsteins P001
- Alice Cartoni Mancinelli, Andrea Aliberti, Simona Mattioli, Elisa Cotozzolo, Monica Guarino Amato, Alessandro Dal Bosco, Cesare Castellini
Preliminary results of survey on native poultry breeds in centre Italy P002
- Emanuela Sannino, Daniela Criscuolo, Bianca Cecere, Marialuisa Buonanno, Vincenzo Caligiuri, Giovanna Fusco, Giorgio Galiero, Giorgia Borriello
Application of genetic selection for ovine PrP resistance alleles in southern Italy P003
- Fiorella Sbarra, Andrea Quaglia, Matteo Ridolfi, Giovanni Bittante, Roberto Mantovani
Genetics of some maternal ability traits in the Italian beef cattle P004
- Francesco Perini, Emiliano Lasagna, Martino Cassandro
Project preview on genetic characterisation of Italian local chicken populations using a high density SNP's chip P005
- Gabriele Carlino, Giovanni Niero, Filippo Cendron, Raffaella Finocchiaro, Emilio Olzi, Fabio Omodei Zorini, Guido Invernizzi, Martino Cassandro
Feasibility of near infrared spectroscopy to predict faecal composition in Italian Holstein Friesian cattle P006
- Giacomo Rovelli, Andrea Quaglia, Simone Ceccobelli, Emiliano Lasagna, Matteo Ridolfi, Roberta Guarcini, Francesca Maria Sarti
The new visual assessment scoring system in the Italian beef cattle breeds P007
- Giacomo Rovelli, Martina Torricelli, Carla Sebastiani, Marcella Ciullo, Simone Ceccobelli, Barbara Chiappini, Gabriele Vaccari, Emiliano Lasagna, Francesca Maria Sarti, Massimo Biagetti
Genotypic and allelic frequencies of PRNP gene polymorphisms in goat populations reared in central and South Italy P008
- Gianfranco Cosenza, Daniela Gallo, Marco Iannaccone, Giuseppe Martino, Barbara Auzino, Alfredo Pauciullo
Sequence analysis and genetic variability of Mediterranean river buffalo Prolactin gene (PRL) P009
- Gianfranco Cosenza, Daniela Gallo, Marco Iannaccone, Luigi Ramunno, Alfredo Pauciullo
Genetic variation of β -lactoglobulin (BLG) gene and association studies with milk traits in Mediterranean river buffalo P010
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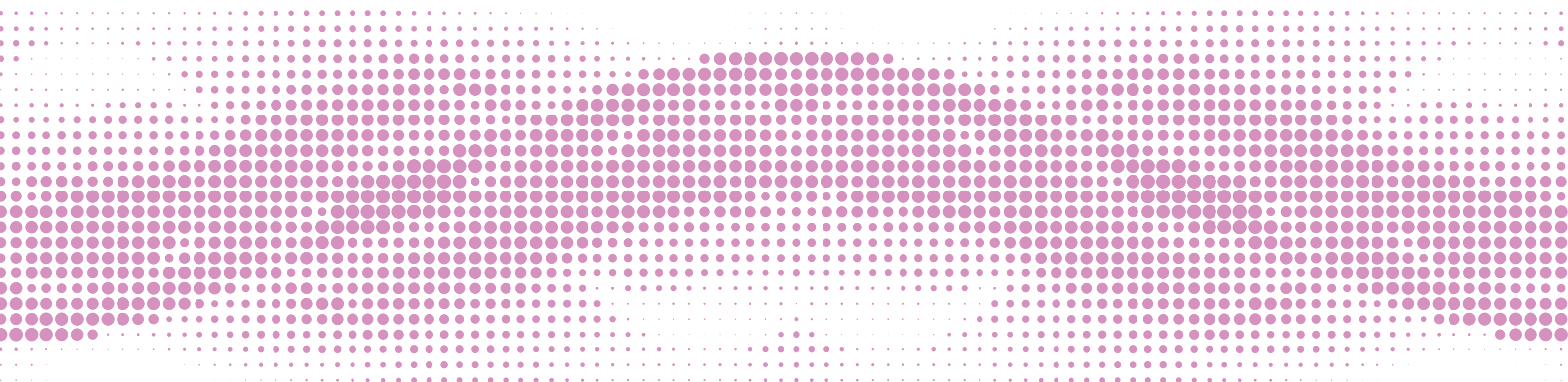
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