



26th Congress

ASPA25

17 / 20 June 2025 | Turin, Italy

Association for Science and Animal Production

INNOVATIONS IN ANIMAL SCIENCES: SHAPING THE WAY FOR A SUSTAINABLE FUTURE

Campus SAMEV

(Scuola di Agraria e medicina Veterinaria)
Largo Braccini 2, Grugliasco (TO) – ITALY



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The 26th Congress of the Animal Science and Production Association (ASPA) will be hosted in Grugliasco (TO) by the University of Turin. Turin hosted the first edition of the ASPA congress in 1974 and another one in 2005. The theme of the event “Innovations in Animal Sciences: Shaping the Way for a Sustainable Future,” offers a unique platform for researchers, professionals, policymakers, and students from around the world to meet and address some of the most pressing challenges facing animal science today.

In an era characterized by huge technological advancements, environmental concerns, and relevant societal expectations, the role of animal science is more critical than ever. Sustainability is no longer just a goal—it is a strict requirement. The congress theme reflects a forward-looking approach, emphasizing how innovation can serve as a catalyst for change in ensuring the long-term viability and ethical integrity of animal agriculture.

A total of 539 scientific contributions have been received by the scientific committee: 350 theatre and 189 poster presentations, respectively. This great result confirms the relevant increasing trend of attendance and scientific contribution for the ASPA congress highlighted in the past editions. The scientific program will be organized into 59 thematic sessions covering 12 main topics. The program will include also 3 plenary lectures, 14 keynote speakers and a round table.

Over the course of the event, participants will explore groundbreaking research and practical applications across a wide range of topics, including precision livestock farming, animal welfare, nutrition, genetics, climate resilience, and the circular economy. These discussions are designed not only to showcase scientific progress, but also to foster interdisciplinary collaboration and inspire actionable strategies.

I wish to thank all people that have worked for the organization and the management of this event. In particular, I wish to thank prof. Paola Sacchi, president of the organizing committee, and prof. Laura Gasco, president of the scientific committee and all the components of the two committees. A special thank also to prof. Marcello Mele, Editor in Chief of the Italian Journal of Animal Science, for having contributed to the edition of the proceedings.

Nicolò Pietro Paolo Macciotta
ASPA President

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- Emanuela Valle



Tuesday,
17th June 2025

PROGRAM AT A GLANCE

	Campus Samev	Room VENARIA + RACCONIGI
12:00-18:00	Registration	
14.30		Opening Ceremony
14:30-14:45		Introduction to the 26th ASPA Congress (Nicolò Pietro Paolo Macciotta, ASPA President)
14:45-15:00		The 26th ASPA Congress in Torino (Paola Sacchi, President of the ASPA 2025 Congress)
15:00-15:30		"Memory is our future" Christian Greco, Director of Museo Egizio, Torino
15:30-16:00		"From "necessary evil" to "FeedEconomy" how livestock production has changed from the 19th century to date" Ivo Zoccarato, former Director of the Department of Agricultural, Forest and Food Sciences, University of Torino
16:00-16:30		"Guiding principles of AI: application in animal husbandry" Andrea Rosati, Secretary of EAAP - European Federation of Animal Science
16:30-16:45		Discussion
16:45-17:15		Coffee break
17:15-18:45		Round Table "The food that will come: a dialogue between science and ethics" Giuseppe Pulina, University of Sassari - Alessandro Bertero, University of Torino - Maurizio Balistreri, University of Tuscia Moderator: Piero Bianucci, science writer and journalist
18:45-20:00	Welcome cocktail (Campus SAMEV)	

Wednesday, 18th June 2025

	ROOM VENARIA	ROOM RACCONIGI	ROOM STUPINIGI
09:00-10:45	Genetics: SUSTAINABILITY AND FUTURE PERSPECTIVES OF ANIMAL BREEDING <i>Session 01</i> 	Food Quality: PORK AND POULTRY MEAT <i>Session 02</i>	Alternative Proteins: YELLOW MEALWORM REARING AND NUTRITION <i>Session 03</i> 
10:45-11:15	Coffee Break and poster session		
11:15-13:00	Genetics: SUSTAINABILITY AND FUTURE PERSPECTIVES OF ANIMAL BREEDING <i>Session 08</i> 	Food Quality: EGGS AND OTHER FOODS <i>Session 09</i>	Alternative Proteins: YELLOW MEALWORM AND BLACK SOLDIER FLY REARING AND NUTRITION <i>Session 10</i> 
13:00-14:00	Lunch		
14:00-15:30	Genetics: OMICS-BASED APPROACHES <i>Session 15</i> <i>Invited speaker:</i> Augustin Blasco 	Food Quality: SHEEP MEAT <i>Session 16</i>	Alternative Proteins: INSECT REARING AND USE AS ANIMAL FEED <i>Session 17</i> 
15:30-16:00	Coffee Break and poster session		
16:00-17:30	Genetics: GENOMIC APPLICATIONS FOR BREEDING <i>Session 22</i>	Food Quality: BEEF <i>Session 23</i> <i>Invited speaker:</i> Nigel Scollan	Alternative Proteins: INSECTS AND ALTERNATIVE PROTEINS AS ANIMAL FEEDS <i>Session 24</i> 
20.00	Typical Dinner (Murazzi del Po, restaurant Capodoglio)		

ROOM VALENTINO	ROOM MANDRIA	ROOM AGLIÈ	ROOM CARIGNANO
Sustainability: FEEDING STRATEGIES <i>Session 04</i>	Genetics: POULTRY AND RABBIT <i>Session 05</i>	Physiology and Reproduction: RUMINANT PHYSIOLOGY <i>Session 06</i>	Production Systems: EFFICIENCY, HEALTH, AND SUSTAINABILITY <i>Session 07</i> <i>Invited speaker:</i> Emma Baxter
Coffee Break and poster session			
Sustainability ENTERIC EMISSIONS <i>Session 11</i> <i>Invited speaker:</i> Jacopo Bacenetti	Ruminant Nutrition: NUTRITION AND FEEDING BEHA- VIOUR OF DAIRY COWS <i>Session 12</i>	Physiology and Reproduction: MISCELLANY <i>Session 13</i> <i>Invited speaker:</i> Christopher Harold Knight	Production Systems: CHALLENGES A ND INNOVATIONS <i>Session 14</i>
Lunch			
Sustainability: EXTENSIVE SYSTEMS <i>Session 18</i>	Ruminant Nutrition: IN VITRO STUDIES AND NEW FEEDSTUFFS <i>Session 19</i>	Welfare, Health and Behaviour: NEW APPROACHES TO POULTRY MANAGEMENT <i>Session 20</i>	Production Systems: PRODUCTION STRATEGIES AND QUALITY TRAITS <i>Session 21</i>
Coffee Break and poster session			
Sustainability: SUSTAINABLE SUPPLY CHAINS <i>Session 25</i>	Ruminant Nutrition: IN VITRO METHODOLOGY AND MICROPLASTICS <i>Session 26</i>	Welfare, Health and Behaviour: INNOVATIONS AND PERCEP- TIONS FOR SUSTAINABLE PRO- DUCTION <i>Session 27</i>	Production Systems: TRADITIONAL PRACTICES, ECONOMICS, AND WELFARE <i>Session 28</i>
Typical Dinner (Murazzi del Po, restaurant Capodoglio)			

Thursday, 19th June 2025

	ROOM VENARIA	ROOM RACCONIGI	ROOM STUPINIGI
08:30-10:15	Genetics: GENOMIC APPLICATIONS FOR BIODIVERSITY I Session 29 	Ruminant Nutrition: INSECTS, FATTY ACIDS AND MICROBIOTA Session 30 Invited speaker: Pablo Gutierrez Toral 	Welfare, Health and Behaviour: FROM PREVENTION TO THERAPY, UDDER HEALTH AND INNOVATIONS IN ZOOTECHNICS Session 31
10:15-10:45	Coffee Break and poster session		
10:45-12:30	Genetics: GENETIC SOLUTIONS FOR HEAT STRESS Session 36 Invited speaker: Christian Maltecca	Ruminant Nutrition: SMALL RUMINANTS AND BY-PRODUCT USE Session 37	Welfare, Health and Behaviour: ADVANCES IN CATTLE AND BUFFALOES MANAGEMENT Session 38
12:30-13:30	Lunch		
13:30-15:00	Genetics: BREEDING FOR MASTITIS RESISTANCE Session 42		Welfare, Health and Behaviour: EXPLORING THE COW-CALF RELATIONSHIP Session 44 Invited speaker: Isabelle Veissier
15:00-15:30	Coffee Break and poster session		
15:00-19:00	ASPA Assembly		
20.00	Social Dinner (Palazzina di Caccia di Stupinigi) Transfers for Stupinigi will leave at 7.30pm from the Campus of Grugliasco		

ROOM VALENTINO	ROOM MANDRIA	ROOM AGLIÈ	ROOM CARIGNANO
Monogastric Nutrition: POULTRY Session 32 Invited speaker: Doug Korver 	Precision Farming: COMPUTER VISION AND IMAGING TECHNOLOGIES Session 33	Food Quality: COW MILK QUALITY AND AUTHENTICATION Session 34	Genetics: GENOMIC STRATEGIES FOR FITNESS TRAITS Session 35 
Coffee Break and poster session			
Monogastric Nutrition: SWINE I Session 39 	Precision Farming: DATA-DRIVEN DAIRY MANAGEMENT Session 40 Invited speaker: Marco Bovo	Food Quality: DAIRY PRODUCT QUALITY AND CHEESEMAKING PROPERTIES Session 41	
Lunch			
Sustainability: SUSTAINABLE STRATEGIES Session 45	Precision Farming: GRAZING SYSTEMS AND PASTURE MONITORING Session 46	Food Quality: SHEEP, GOAT AND BUFFALO MILK QUALITY Session 47	Ruminant Nutrition: MINOR SPECIES AND FORAGE QUALITY Session 43
Coffee Break and poster session			
Social Dinner (Palazzina di Caccia di Stupinigi) Transfers for Stupinigi will leave at 7.30pm from the Campus of Grugliasco			

Friday,
20th June 2025

	ROOM VENARIA	ROOM RACCONIGI	ROOM STUPINIGI	ROOM VALENTINO	ROOM MANDRIA	ROOM AGLIÈ	ROOM CARIGNANO
09:00-10:45	Genetics: GENOMIC APPLICATIONS FOR BIODIVERSITY II <i>Session 48</i>	Aquaculture: MARINE SPECIES <i>Session 50</i>		Monogastric Nutrition: SWINE II <i>Session 51</i>	Precision Farming: SENSORS FOR BEHAVIOURAL MONITORING <i>Session 52</i> 	Companion Animals: NUTRITION AND HEALTH <i>Session 53</i> <i>Invited speaker:</i> Pier Paolo Mussa	Welfare, Health and Behaviour: INNOVATIONS AND SUSTAINABILITY IN HORSES MANAGEMENT <i>Session 49</i> <i>Invited speaker:</i> Ingrid Vervuert
10:45-11:15	Coffee Break and poster session			Coffee Break and poster session			
11:15-12:45	Genetics: GENETIC STRATEGIES FOR ECONOMIC TRAITS <i>Session 54</i>	Aquaculture: MISCELLANY <i>Session 56</i> <i>Invited speaker:</i> Fabio Brambilla		Monogastric Nutrition: RABBIT, POULTRY AND DONKEY <i>Session 57</i>	Precision Farming: INNOVATION AND SUSTAINABILITY IN LIVESTOCK <i>Session 58</i> 	Companion Animals: GENETICS AND GENOMICS <i>Session 59</i>	Welfare, Health and Behaviour: BEEKEEPING, HORSES AND PIGS FARMING <i>Session 55</i>
12:45-13:15	Awards and Closing Cerimony			Awards and Closing Cerimony			

PROGRAM

**Tuesday,
17th June 2025**

14.30 Opening Ceremony

14.30 Introduction to the 26th ASPA Congress
Nicolò Pietro Paolo Macciotta – ASPA President

14.45 The 26th ASPA Congress in Torino
Paola Sacchi, President of the ASPA 2025 Congress

15.00 “Memory is our future”
Christian Greco, Director of Museo Egizio, Torino

15.00 “From “necessary evil” to “FeedEconomy”
how livestock production has changed from the 19th century to date”
Ivo Zoccarato, former Director
of the Department of Agricultural, Forest and Food Sciences, University of Torino

16.00 “Guiding principles of AI: application in animal husbandry”
Andrea Rosati, Secretary of EAAP – European Federation of Animal Science

16.30 Discussion

17.15 Round Table
“The food that will come: a dialogue between science and ethics”
Giuseppe Pulina, University of Sassari
Alessandro Bertero, University of Torino
Maurizio Balistreri, University of Tuscia
Moderator: **Piero Bianucci**, science writer and journalist

18.45 Welcome cocktail (Campus SAMEV)

PROGRAM

**Wednesday,
18th June 2025**

Room Venaria | Session 01

Genetics:
SUSTAINABILITY AND FUTURE PERSPECTIVES OF ANIMAL BREEDING

Sponsored by Fedana
Chairs: Cassandro Martino – Negro Alessio

9:00	Gomez Mayra, Landi Vincenzo , Cimmino Roberta, Rossi Dario, Zullo Gianluigi, Di Vuolo Gabriele, Neglia Gianluca, Biffani Stefano <i>Imputation accuracy of missing genotypes in Italian Mediterranean Buffalo using 50K SNP chip</i>	444
9:15	Layton Jonathan, Benzoni Lorenzo , Finocchiario Raffaella, Van Kaam Jan-Thijs, Tiezzi Francesco, Marusi Maurizio, Cassandro Martino <i>Genomic evaluation of methane emissions and feed efficiency in Holstein bulls</i>	060
9:30	Biscarini Filippo , Cesarani Alberto, Mastrangelo Salvatore, Finocchiario Raffaella, Van Kaam Jan-Thijs, Benzoni Lorenzo, Ciampolini Roberta, Cassandro Martino <i>An enviromics approach to modelling GxE interactions in dairy cattle</i>	512
9:45	Ferrari Valentina , Marusi Maurizio, Galluzzo Ferdinando, Cassandro Martino <i>Calf survival in Italian Holstein: first results and services for farmers</i>	084
10:00	Graziani Silvia , Cipolat-Gotet Claudio, Finocchiario Raffaella, Tiezzi Francesco, Pieramati Camillo, Sarti Francesca Maria, Cassandro Martino <i>Total and differential somatic cell traits in Italian Jersey Dairy Cattle Breed: preliminary results</i>	409
10:15	Colombi Daniele , Bonifazi Renzo, Perini Francesco, Sbarra Fiorella, Quaglia Andrea, Calus Mario, Lasagna Emiliano <i>Multi-breed genomic predictions for average daily gain in three Italian beef cattle breeds</i>	105
10:30	Cendron Filippo , Perini Francesco, Lasagna Emiliano, Baruschello Maristella, Cassandro Martino, Penasa Mauro <i>Genetic diversity of goose (Anser anser) and guinea fowl (Numida meleagris) local breeds using whole genome sequencing</i>	034
10:45	Coffee break and Poster session	

Room Racconigi | Session 02

Food Quality:
PORK AND POULTRY MEAT

Chairs: Serra Andrea – Cullere Marco

9:00	Grassi Giulia, Tavaniello Siria, Palazzo Marisa, Peng Meng, Teshale Dereje Birara, <u>Maiorano Giuseppe</u> <i>Effect of the inclusion of shelled dried chestnut in the finishing diet on growth performance and meat quality of Casertana pig</i>	194
9:15	<u>Mainardi Edda</u> , Costa Annamaria, Pallaoro Margherita, Aidos Lucia, Buoio Eleonora, Mazzola Silvia, Di Giancamillo Mauro, Modina Silvia, Di Giancamillo Alessia, Rossi Raffaella <i>Carcass characteristics and quality parameters of Longissimus dorsi muscle of Nero di Lomellina pigs</i>	093
9:30	<u>Cappone Eleonora Erika</u> , Fiorilla Edoardo, Gariglio Marta, Franco Riccardo, Hos Enes, Zambotto Valeria, Bianchi Chiara, Daniele Giulia Maria, Cianciabella Marta, Bongiorno Valentina, Stoppani Nadia, Soglia Dominga, Schiavone Achille <i>Rediscovering the value of endangered Piedmontese chicken breeds through meat quality assessment</i>	355
9:45	<u>Petracci Massimiliano</u> , Antenucci Emilia Luigia, Gagliano Mara Antonia, Bordini Martina, Mancinelli Cartoni Alice, Zampiga Marco, Soglia Francesca, Mattioli Simona, Sirri Federico <i>Comparison of carcass and meat quality traits of fast-, medium- and slow-growing chicken genotypes fed diets with different protein-to-energy ratio</i>	079
10:00	<u>Antenucci Emilia Luigia</u> , Mancinelli Cartoni Alice, Soglia Francesca, Gagliano Mara Antonia, Petracci Massimiliano, Dal Bosco Alessandro <i>Effects of outdoor enrichments and dietary supplementation with n-3 PUFA and antioxidants on the meat quality traits in free range chickens</i>	332
10:15	<u>Soglia Francesca</u> , Bordini Martina, Tavaniello Siria, Antenucci Emilia Luigia, <u>Maiorano Giuseppe</u> , Petracci Massimiliano <i>Breast meat quality to classify the wooden breast defect and investigate its underlying mechanisms in fast-growing chickens</i>	259
10:45	Coffee break and Poster session	

Room Stupinigi | Session 03

Alternative Proteins:
YELLOW MEALWORM REARING AND NUTRITION

Sponsored by GREEN FEED CYCLES
Chairs: Athanassiou Christos – Moradei Andrea

9:00	INVITED LECTURE <u>Barragán-Fonseca Karol</u> <i>Insects for Peace: transforming communities through Black Soldier Fly farming</i>	194
9:30	<u>Palumbo Bianca Federica</u> , Deruytter David, Dalle Zotte Antonella <i>Optimizing Tenebrio molitor reproduction: examining beetle size effect on mating preferences, and larval yield and performance</i>	251
9:45	<u>Resconi Andrea</u> , Adamaki-Sotiraki Christina, Rigopolou Marianna, Gasco Laura, Athanassiou Christos <i>Is age just a number? Investigating the effects of male and female age on the reproduction of Tenebrio molitor</i>	055
10:00	<u>Daluwatta Sujivi</u> , Bellezza Oddon Sara, Candian Valentina, Loiotine Zaira, Resconi Andrea, Biasato Ilaria, Tedeschi Rosemarie, Gasco Laura <i>Impact of different dietary protein: carbohydrates ratios and lipid inclusion levels on the growth performance, nutritional composition and AMPs gene expression of Tenebrio molitor larvae</i>	109
10:15	<u>Moradei Andrea</u> , Spranghers Thomas, Ottoboni Matteo, Deruytter David, Pinotti Luciano <i>Tenebrio molitor: effects of four herbs on larval composition and on their growth performance</i>	017
10:30	<u>Copelotti Emma</u> , De Schutter Kristof, Tzompa-Sosa Daylan, Coudron Carl, Deruytter David, Mancini Simone <i>Fully hydrogenated rapeseed oil (FHRO) enriched diet in Tenebrio molitor larvae: effects on growth performances and nutritional composition</i>	032
10:45	Coffee break and Poster session	

Room Valentino | Session 04

Sustainability:
FEEDING STRATEGIES

Chairs: Sandrucci Anna – Atzori Alberto

9:00	Colleluori Riccardo, Silvestrelli Simone , De Matos Vettori Julio, Cavallini Damiano, Buonaiuto Giovanni, Formigoni Andrea <i>Effects of a molasses-based liquid feed supplemented with tannins on productive performance and methane emissions in lactating dairy cows</i>	489
9:15	Dell’Anno Matteo , Spedale Cristina, Frazzini Sara, Di Stefano Antonio, Baldi Antonella, Rossi Luciana, Chiofalo Vincenzo <i>Evaluation of functional characteristics of whole lemon pulp and depectinized lemon pulp for animal feeding</i>	501
9:30	Spedale Cristina , Dell’Anno Matteo, Onelli Elisabetta, Moscatelli Alessandra, Puglia Marco, Pedrazzi Simone, Dell’Orto Vittorio, Chiofalo Vincenzo, Rossi Luciana <i>Functional characterization of biochar from lemon pulp by-products as innovative feed ingredients</i>	467
9:45	Caratzu Maria Francesca , Lunesu Mondina Francesca, Sechi Sara, Carta Silvia, Nudda Anna, Pulina Giuseppe, Correddu Fabio <i>Carbon Footprint estimation of some European agro-industrial by-products and their effect in reducing the environmental impact of sheep and goat diets</i>	475
10:00	Mantino Alberto , Finocchi Matteo, Ripamonti Alice, Silvi Alina, Casarosa Laura, Senatore Elena, Cella Fabrizio Giuseppe, Serra Andrea, Conte Giuseppe, Mele Marcello <i>Brewers’ spent grains as a sustainable alternative for lactating ewes: a feeding and environmental perspective</i>	416
10:15	Santoru Matteo , Muñoz-Grein Jennifer, Alvarez-Rodriguez Javier, Pinotti Luciano, Latorre Maria Angeles <i>Evaluation of Yucca schidigera extract inclusion in fattening pig nutrition: impact on performances, nitrogen use and slurry composition</i>	190
10:30	Volpe Federica , Zampiga Marco, Pignata Stefano, Piscitelli Raffaella, Petracci Massimi-liano, Sirri Federico <i>Comparison of the environmental impacts of chicken meat production among fast-, medium- and slow-growing genotypes fed diets with different protein-to-energy ratio</i>	386
10:45	Coffee break and Poster session	

Room Mandria | Session 05

Genetics:
POULTRY AND RABBIT

Chairs: Lasagna Emiliano – Mecocci Samanta

9:00	Perini Francesco , Cendron Filippo, Lasagna Emiliano, Baruchello Maristella, Cassandro Martino, Penasa Mauro <i>Genetic characterization of two local duck breeds (Anas platyrhynchos) using whole genome sequencing</i>	056
9:15	Saleh Medhat , Pierini Claudia, Landi Vincenzo, Maggiolino Aristide, Lasagna Emiliano, Mugnai Cecilia, Perini Francesco, Centoducati Gerardo, Canales Amado, Martinez Amparo, De Palo Pasquale, Ciani Elena, Bruno Silvia, Bramante Grazia, Pugliese Nicola, Circella Elena, Santos Silva Fatima, Carolino Inês, Camarda Antonio <i>Genetic characterization and origins of the Leccese: insights into an Apulian poultry breed</i>	276
9:30	Perricone Vera , Marelli Stefano, Zaniboni Luisa, Tognoli Cristina, Zeni Niko Gioacchino, Schiavone Achille, Soglia Dominga, Cerolini Silvia <i>Phenotypic characterization and mating plan for biodiversity conservation in Modenese chicken breeders</i>	286
9:45	Stoppani Nadia , Soglia Dominga, Bongiorno Valentina, Testa Pietro, Moshe David, Schiavone Achille <i>Safeguarding local animal genetics: the conservation of the Nostrana di Morozzo chicken breed</i>	350
10:00	Soglia Dominga , Stoppani Nadia, Perini Francesco, Lasagna Emiliano, Schiavone Achille, Cerolini Silvia <i>Molecular data to safeguard genetic diversity in local chicken breed conservation</i>	353
10:15	Bordini Martina , Zappaterra Martina, Petracci Massimiliano, Soglia Francesca <i>Gene expression analysis of Collagen type III coding gene in chicken breast muscles affected by wooden breast condition</i>	258
10:30	Bovo Samuele , Ribani Anisa, Bolner Matteo, Taurisano Valeria, Schiavo Giuseppina, Bertolini Francesca, Fontanesi Luca <i>The size of the rabbit from whole genome sequencing: the dwarfism in Dwarf Lop breed is better explained as a polygenic trait</i>	213
10:45	Coffee break and Poster session	

Room Agliè | Session 06

Physiology and Reproduction:
RUMINANT PHYSIOLOGY

Chairs: Minuti Andrea – Kristofova Radoslava

9:00	<u>Calanni Macchio Alfio</u> , Iraci Fuintino Antonio, Ragona Francesca, Purrone Sissy, Trapanese Lucia, Pacelli Giovanmaria, Santinello Matteo <i>Influence of conception time on milk yield and quality traits in primiparous Mediterranean buffalo</i>	167
9:15	<u>Benedetti Lorenzo</u> , Piccioli-Cappelli Fiorenzo, Sfulcini Marta, Cattaneo Luca, Minuti Andrea, Trevisi Erminio <i>Feeding dairy cows in the morning or in the evening: effects on milk production, rumen activity and feeding behavior</i>	168
9:30	<u>Niero Giovanni</u> , Visentin Giulio, Meoni Gaia, Leonardo Tenori, Cassandro Martino, De Marchi Massimo, Penasa Mauro <i>Impact of cow udder health status on milk metabolic pattern</i>	407
9:45	<u>Piccioli-Cappelli Fiorenzo</u> , Mezzetti Matteo, Vercesi Alessandro, Scemama De Gialluly Sophie, Benedetti Lorenzo, Bosio Lorenzo, Greco Dante, Trevisi Erminio <i>Effects administration of vitamin D3 delivered by liposomes to dairy cows during transition period</i>	482
10:00	<u>Lopreiato Vincenzo</u> , Stocco Giorgia, Biffani Stefano, Liotta Luigi, Niero Giovanni, Penasa Mauro, Summer Andrea, Martinelli Nicola, Cipolat-Gotet Claudio <i>Application of a Generalized Additive Mixed Model to evaluate the effect of season, energy status, milk yield, and milk macro-mineral content on milk fatty acids profile of Brown Swiss dairy cows</i>	551
10:15	<u>Maggiolino Aristide</u> , Landi Vincenzo, Trevisi Erminio, Bernabucci Umberto, Lecchi Cristina, Ceciliani Fabrizio, <u>De Palo Pasquale</u> <i>Hemogasanalysis patterns modifications in Holstein Friesian and Brown Swiss lactating cows coping with a natural short-term heat wave</i>	445
10:30	Sfulcini Marta, Cattaneo Luca, Piccioli-Cappelli Fiorenzo, Trevisi Erminio, <u>Minuti Andrea</u> <i>Early-life ruminal transfaunation using different types of in-vitro fermented inocula: effect in health and performance in dairy calves</i>	296
10:45	Coffee break and Poster session	

Room Carignano | Session 07

Production Systems:
EFFICIENCY, HEALTH, AND SUSTAINABILITY

Chairs: Chiofalo Biagina – Birolo Marco

9:00	<u>Ravetto Enri Simone</u> , Pittarello Marco, Lonati Michele, Lombardi Giampiero <i>Can livestock site-use intensity be estimated by observation of grazing evidences in alpine pastures?</i>	453
9:15	<u>Podda Maria Giovanna</u> , Sechi Gian Simone, Atzori Alberto Stanislao, Todde Giorgio, Cannas Antonello <i>Optimizing dairy farm efficiency: a case study in process mapping and business process management for feeding operations</i>	170
9:30	<u>Coppa Mauro</u> , Bellato Alessandro, Manenti Isabella, Bongioanni Luisa, Borla Laura, Donato Antonella, Mannelli Alessandro, Battaglini Luca <i>Farm management risk factors of mastitis for mountain dairy farms in the western Alps</i>	499
9:45	<u>Ferronato Giulia</u> , Anna Simonetto, Gilioli Gianni, Zecconi Alfonso <i>Exploring the relationship between mastitis risk management, milk yield and global warming potential in dairy farms</i>	306
10:00	<u>Tretola Marco</u> , Antonacci Alessandro, Silacci Paolo, Bee Giuseppe <i>Impact of two different pen cleaning protocols on ex-vivo jejunal integrity and nutrients uptake of growing-finishing pigs fed standard or low-protein diets</i>	028
10:15	INVITED LECTURE <u>Baxter Emma</u> <i>How to ‘End the Cage Age’ for farrowing sows – updates on research, systems and best practice</i>	
10:45	Coffee break and Poster session	

Room Venaria | Session 08

Genetics:
SUSTAINABILITY AND FUTURE PERSPECTIVES OF ANIMAL BREEDING

Sponsored by Fedana
Chairs: Cassandro Martino – Fumagalli Francesca

11:15	<u>Persichilli Christian</u> , Cassandro Martino, Senczuk Gabriele, Di Civita Marika, Bitew Mulusew Kassa, Van Kaam Jan-Thijs, Finocchiaro Raffaella, Pilla Fabio <i>Worldwide diversity of Holstein cattle</i>	485
11:30	<u>Zanotti Andrea</u> , Cipolat-Gotet Claudio, Summer Andrea, Sabbioni Alberto, Asti Vittoria, Tiezzi Francesco, Finocchiaro Raffaella, Van Kaam Jan-Thijs, Cassandro Martino, Layton Jonathan, Ablondi Michela <i>The impact of inbreeding on fertility in Italian Holstein cattle</i>	373
11:45	<u>Milia Paola</u> , Cesarani Alberto, Fabris Anna, Finocchiaro Raffaella, Marusi Maurizio, Macciotta Nicolò, Dimauro Corrado <i>Assessing fertility: developing an index for Italian Jersey cattle</i>	065
12:00	<u>Benzoni Lorenzo</u> , Layton Jonathan, Finocchiaro Raffaella, Marusi Maurizio, Testori Fabio, Cassandro Martino <i>Phenotypic associations between hoof lesions and type traits in Italian Holstein population</i>	059
12:15	<u>Gomez Mayra</u> , Cimmino Roberta, Rossi Dario, Zullo Gianluigi, Di Vuolo Gabriele, Neglia Gianluca, Biffani Stefano <i>The role of inbreeding depression in the genetic improvement program of the Italian Mediterranean buffalo</i>	443
12:30	<u>Callegaro Simone</u> , Tiezzi Francesco, Maltecca Christian, Fabbri Maria Chiara, Bozzi Riccardo <i>Comprehensive analysis of inbreeding depression across growth, fertility, and survival traits in Charolais and Limousine beef cattle</i>	129
12:45	Bertolini Francesca, Vegni Jacopo, Schiavo Giuseppina, Bovo Samuele, Bolner Matteo, Buttazzoni Luca, Gallo Maurizio, <u>Fontanesi Luca</u> <i>Changes in allele and haplotype frequencies over the years have differentiated the genomes of Italian heavy pigs from cosmopolitan breeds</i>	382
13:00	Lunch	

Room Racconigi | Session 09

Food Quality:
EGGS AND OTHER FOODS

Chairs: Dal Bosco Alessandro – Di Rosa Ambra

11:15	<u>Dalle Zotte Antonella</u> , Singh Yazavinder, Boccato Alberto, Cullere Marco <i>Camelina sativa: an emerging crop that can successfully be exploited in laying hen's feeding without compromising egg quality</i>	322
11:30	<u>Cullere Marco</u> , Singh Yazavinder, Dalle Zotte Antonella, Boccato Alberto <i>Camelina sativa: an emerging crop to enhance egg healthiness and reaching the claim "rich in omega-3 fatty acids"</i>	288
11:45	<u>Piscitelli Raffaella</u> , Zampiga Marco, Pignata Stefano, Petracci Massimiliano, Sirri Federico <i>Proximate composition and fatty acid profile of eggs laid by two Italian chicken breeds, their crossbreeds, and a commercial hen hybrid reared both in enriched cages and free-range system</i>	086
12:00	<u>Carta Silvia</u> , Rubattu Roberto, Nudda Anna, Correddu Fabio <i>Does the farming system influence the quality of the eggs in terms of chemical composition and colour parameters?</i>	393
12:15	<u>Accetta Francesca</u> , Ben Tiba Amani, Ayoub Hai Said, Di Rosa Ambra <i>Evaluation of geographical and botanical origin of Tunisian and Sicilian honeys using artificial senses and data fusion</i>	317
12:30	<u>Lanzoni Davide</u> , Zanderigo Giovanni, Sundaram Tamil, Baldi Antonella, Cheli Federica, Giromini Carlotta <i>Exploring plant-based proteins as an alternative for culture media in cellular agriculture</i>	039
12:45	<u>Pulina Giuseppe</u> , Lunesu Mondina Francesca, Correddu Fabio, Cesarani Alberto, Nudda Anna <i>The naturalness of food production and processing: ethical perspectives and a new metric of naturalness</i>	574
13:00	Lunch	

Room Stupinigi | Session 10

Alternative Proteins:
YELLOW MEALWORM AND BLACK SOLDIER FLY
REARING AND NUTRITION

Sponsored by GREEN FEED CYCLES
Chairs: Rumbos Christos – Secci Giulia

11:15	Chrysanthopoulou Christina, Adamaki-Sotiraki Christina, Rumbos Christos, Athanassiou Christos <i>Feeding Tenebrio molitor larvae with oilseed presscakes – Sustainable and nutrient-rich feeding substrates</i>	577
11:30	Dell’Anno Matteo, Ferri Irene, Dametti Matilda, Spano Mattia, Mannina Luisa, Rossi Luciana <i>Evaluation of the metabolomic profile in Tenebrio molitor reared on functional substrates</i>	515
11:45	Loiotine Zaira, Bellezza Oddon Sara, Resconi Andrea, Passaro Rosa Laura, Gai Francesco, Bacenetti Jacopo, Gasco Laura, Biasato Ilaria <i>Larval growth and bioconversion efficiency of black soldier fly (Hermetia illucens) on rice by-products: unlocking new life for agricultural waste</i>	072
12:00	Nucera Daniele, Bellezza Oddon Sara, Loiotine Zaira, Passaro Rosa Laura, Piano Serenella, Biasato Ilaria, Zeppa Giuseppe, Renna Manuela, Patti Sara, Gasco Laura <i>Stabilization of canteen waste for Hermetia illucens larvae substrate production</i>	556
12:15	Passaro Rosa Laura, Bellezza Oddon Sara, Loiotine Zaira, Biasato Ilaria, Nucera Daniele, Piano Serenella, Gasco Laura <i>Transforming canteen waste into black soldier fly larvae feed: effects on growth performance and bioconversion efficiency</i>	058
12:30	Zanzot Asia, Copelotti Emma, Cacchiarelli Chiara, Trocino Angela, Mancini Simone <i>Meat-based diets for Hermetia illucens larvae: effects on growth and proximate composition</i>	161
12:45	Zafeiriadis Sofronios, Baliota Georgia, Adamaki-Sotiraki Christina, Karagiorgis Georgios, Rumbos Christos, Athanassiou Christos <i>Sustainable management of dairy waste: exploring Hermetia illucens (L.) bioconversion potentials for efficient effluent treatment</i>	578
13:00	Lunch	

Room Valentino | Session 11

Sustainability:
ENTERIC EMISSIONS

Chairs: Vitali Andrea – Gislon Giulia

11:15	INVITED LECTURE Bacenetti Jacopo <i>Weaknesses, limits, biases and strengths of LCA applied to livestock systems</i>	
11:45	Braidot Matteo, Cabbia Anita, Cavallini Damiano, Spanghero Mauro, Romanzin Alberto <i>Methane emission assessment in Simmental bulls divergent for feed efficiency</i>	274
12:00	Ramirez Mauricio Marco Aurelio, Toledo-Alvarado Hugo, Schiavon Stefano, Martinez-Marin Gustavo, Gallo Luigi, Nocetti Marco, Sturaro Enrico, Giannuzzi Diana, Cecchinato Alessio <i>Impact of farming systems and welfare indicators on milk infrared-predicted enteric methane emissions in Parmigiano Reggiano cheese production area</i>	087
12:15	Rossi Chiara, Grossi Giampiero, Vitali Andrea, Lacetera Nicola <i>Seasonal pattern of enteric methane emissions in dairy cow</i>	427
12:30	Moliso Mesfin, Ferronato Giulia, Negrini Riccardo, Ajmone Marsan Paolo, Mrode Raphael, Pinares-Patino Cesar S., Fioretti Mauro, Pascarella Lorenzo <i>Assessment of enteric methane emissions in three Italian dairy cattle breeds using DHI data</i>	377
12:45	Rossi Chiara, Grossi Giampiero, Vitali Andrea, Petrocchi Jasinski Francesca, Evangelista Chiara, Basiricò Loredana, Turriziani Giovanni, Bernabucci Umberto, Lacetera Nicola <i>Effect of green forage on enteric methane emissions in Mediterranean dairy buffaloes during summer: different approaches for measurement</i>	417
13:00	Lunch	

Room Mandria | Session 12

Ruminant Nutrition:
NUTRITION AND FEEDING BEHAVIOUR OF DAIRY COWS

Chairs: Toral Pablo – Simoni Marica

11:15	<u>Rocchetti Gabriele</u> , Cattaneo Luca, Foldi Federico, Lapris Marco, Moschini Maurizio, Bani Paolo, Trevisi Erminio <i>A data fusion approach unveils the impact of 3-nitrooxypropanol on the rumen fluid and milk metabolomes of lactating Holstein dairy cows</i>	049
11:30	Simoni Marica, <u>Esposito Giulia</u> , Paolini Annamaria, Patrisi Rosanna, Righi Federico <i>Nutritional and chemical characteristics of hay-based diets as predictors of ruminal and intestinal microbial development and function</i>	211
11:45	<u>Simoni Marica</u> , Pitino Rosario, Boldrin Gloria, Valoppi Davide, Tedeschi Irene, Cipo-lat-Gotet Claudio, Righi Federico <i>Evaluation of two feeding strategies applied to robotic milking on primiparous cows</i>	434
12:00	<u>Righi Federico</u> , Pitino Rosario, Mantovani Giorgia, Danese Tommaso, Tsiplakou Eleni, Simoni Marica <i>Comparing nitrogen supply from hay-based diets fed to dairy cows having low or high nitrogen excretion</i>	419
12:15	<u>Zambianchi Lucia</u> , Colleluori Riccardo, Giaretta Elisa, Fusaro Isa, Spagnolo Marco, Ferrari Maria Giulia, Mammi Ludovica Maria Eugenia <i>Urinary mineral excretion in dry cows during prepartum period</i>	549
12:30	<u>Meli Giovanna</u> , Chen Wenning, Fumo Valentina, Savoini Giovanni, Invernizzi Guido <i>Feeding behavior in heat-stressed heifers under different management practices</i>	540
12:45	<u>Amato Annalisa</u> , Sfulcini Marta, Guenther Maverick, Larsen Grace, Guzi Savegnano Caroline, Tao Sha, Laporta Jimena <i>The impact of pre-weaning plane nutrition on mammary gland development of dairy calves</i>	349
13:00	Lunch	

Room Agliè | Session 13

Physiology and Reproduction:
MISCELLANY

Chairs: Cerolini Silvia – Antenucci Emanuele

11:15	<u>Lopreiato Vincenzo</u> , Cavallo Carmelo, Floridia Viviana, Liotta Luigi, Chiofalo Vincenzo, D’Andrea Mariasilvia, Palombo Valentino <i>Rumen epithelium transcriptome changes in response to polyphenols-enriched olive cake supplementation in finishing Limousine bulls</i>	448
11:30	<u>De Matos Luiz Gustavo</u> , Balbi Ombretta, Salvi Gaspare, Dadi Yasmine, Martini Valeria, Agazzi Alessandro, Maggiolino Aristide, De Palo Pasquale, Lecchi Cristina <i>Modulation of bovine immune cells by small extracellular vesicles isolated from the plasma of heat-stressed cows</i>	146
11:45	<u>Fulgione Andrea</u> , Iovane Valentina, Gentile Antonio <i>Prediction by molecular dynamics simulation analysis of IL-10 polymorphisms effects and association with brucellosis in Mediterranean river Buffalo</i>	077
12:00	<u>Kristofova Radoslava</u> , Zitterl-Eglseer Karin, Capucchio Maria Teresa, Ippolito Dorotea, Gai Francesco, Firooznia Fardad, Laukova Andrea, Pogany Simonova Monika, Cikos Stefan, Spirkova Alexandra, Franc Ales, Takacsova Margareta, Placha Iveta <i>Protective effect of thymol incorporated into gastroresistant pellets on intestinal integrity and microbiota in rabbits</i>	145
12:15	<u>Pasquariello Rolando</u> , Di Filippo Francesca, Brevini Tiziana A.L., Gandolfi Fulvio <i>Innovative flow cytometry-based isolation of bovine spermatids for assisted reproductive technologies</i>	019
12:30	INVITED LECTURE <u>Knight Christopher Harold</u> <i>Progress towards reasonably-precise livestock farming in the dairy sector</i>	
13:00	Lunch	

Room Carignano | Session 14

Production Systems:
CHALLENGES AND INNOVATIONS

Chairs: Castellini Cesare – Zappaterra Martina

11:15	D'alessandro Angela, Di Luca Alessio, <u>Cavaliere Gina</u> , Martemucci Giovanni, Cimmino Fabiano, Trinchese Giovanna, Mollica Maria Pina <i>Evaluation of physiological effects of milk from the autochthonous Capestrina goat breed using an animal model study</i>	045
11:30	<u>Perrucci Alice</u> , Ferrari Elvira, Cavagnini Alberto, Scollo Annalisa <i>Statistical Process Control to monitor productive items affected by PRRS virus</i>	018
11:45	<u>Ferrari Carolina</u> , Cesarani Alberto, Gaspa Giustino, Macciotta Nicolò, Falchi Laura, Bernabucci Umberto, Negrini Riccardo <i>Analyzing big data to evaluate heat stress tolerance in dairy cows</i>	337
12:00	Menini Alessio, Marcon Caterina, Magrin Luisa, Stiletto Alice, Giampietri Elisa, Trestini Samuele, <u>Gottardo Flaviana</u> <i>Innovative and participatory pathways for sustainable livestock farming and meat production: insights from the Veneto region in Italy</i>	357
12:15	<u>Di Federico Francesca</u> , Angelucci Elisa, Davidescu Magdalena, Macchioni Lara, Salvadori Laura, Chiappalupi Sara, Sorci Guglielmo, Dal Bosco Alessandro, Bosa Luigia, Castellini Cesare, Mattioli Simona <i>Lipid metabolism of chickens with different growth rate and kinetic activity</i>	198
12:30	<u>Birolo Marco</u> , Pontalti Emanuele, Pirrone Fabrizio, Nalon Eleonora, Mattioli Simona, Verdiglione Rina, Dalle Zotte Antonella <i>Effect of heat stress on growth performance and carcass traits of fast- medium- and slow-growing chicken genotypes</i>	218
12:45	Franzin Alberico, Olivieri Silvia, Sciuto Simona, Provera Alessandra, Ferraris Carla, Romano Angelo, Pitti Monica, Power Karen, Leandri Rebecca, <u>Biasibetti Elena</u> , Pezzolato Marzia, Bozzetta Elena <i>Exceptional mortality in an intensive “short cycle” snail farm in Northwest Italy</i>	554
13:00	Lunch	

Room Venaria | Session 15

Genetics:
OMICS-BASED APPROACHES

Chairs: Ajmone-Marsan Paolo – Schiavo Giuseppina

14:00	<i>INVITED LECTURE</i> <u>Blasco Agustín</u> <i>Omics data sets are compositional: the problem and its solution</i>	049
14:30	<u>Williams John</u> , Colli Licia, Ren Yan, Santos Pineda Paulene, Khatkar Mehar S., Macphillamy Callum, Negrini Riccardo, Flores Ester B., Ajmone Marsan Paolo, Low Wai Yee <i>Genotyping buffalo by Targeted SNP-Capture Sequencing</i>	396
14:45	<u>Bolner Matteo</u> , Bertolini Francesca, Bovo Samuele, Schiavo Giuseppina, Cappelloni Manolo, Gallo Maurizio, Fontanesi Luca <i>Application of metabolomics to help dissect biological factors underlying fat deposition in pigs</i>	254
15:00	<u>Bovo Samuele</u> , Bolner Matteo, Schiavo Giuseppina, Bertolini Francesca, Gallo Maurizio, Fontanesi Luca <i>Multi-omics dissection of lipid metabolism in Italian heavy pig breeds</i>	244
15:15	Mecocci Samanta, Cappelli Katia, Beccati Francesca, Porzio Elisabetta, Ratto Roberta, Pepe Marco, <u>Capomaccio Stefano</u> <i>Exercise as a modifier of the molecular clock in the athletic horse: a genome-wide study</i>	303
15:30	Coffee Break and Poster session	

Room Racconigi | Session 16

Food Quality:
SHEEP MEAT

Chairs: Maggiolino Aristide – Correddu Fabio

14:00	<u>Lopez Annalaura</u> , Greco Margherita, Marcolli Beatrice, Moretti Vittorio Maria, Mattiello Silvana, Bellagamba Federica <i>Evaluation of the triple attitude of the alpine Ciuta sheep breed: quality assessment of milk, meat and wool</i>	234
14:15	<u>Maniaci Giuseppe</u> , Giosuè Cristina, Ul Hassan Mahmood, Gannuscio Riccardo, Busetta Gabriele, Gaglio Raimondo, Todaro Massimo, Alabiso Marco <i>Effects of including destoned olive cake in sheep feed on meat quality and salami production</i>	343
14:30	<u>Musati Martino</u> , Cannone Marco Sebastiano, Bertino Antonino, Mangano Fabrizio, Luciano Giuseppe, Priolo Alessandro, Mangione Guido, Foti Francesco, Scerra Manuel, Della Malva Antonella, Natalello Antonio <i>Effects of feeding bergamot by-products on performance and meat quality in lambs</i>	366
14:45	<u>Ponte Marialetizia</u> , Pipi Marianna, Badalamenti Rosario, Bonanno Adriana, Di Grigoli Antonino <i>Effects of ensiled and dehydrated grape pomace in the ewes’ diet on meat production of suckling lambs</i>	509
15:00	<u>Satta Francesca</u> , Castangia Francesca, Pinna Aurelia, Caria Claudio, Ledda Antonello, Spezzigu Antonio, Sotgiu Francesca, Cannas Antonello <i>Enhancing meat production and quality of culled Sarda ewes</i>	195
15:15	<u>Parrini Silvia</u> , Pugliese Carolina, Becciolini Valentina, Tocci Roberto, Sargentini Clara, Crovetti Alessandro, Sirtori Francesco, Aquilani Chiara, Bozzi Riccardo <i>Assessing quality traits of lamb meat by FT- NIRS</i>	164
15:30	Coffee Break and Poster session	

Room Racconigi | Session 17

Alternative Proteins:
INSECT REARING AND USE AS ANIMAL FEED

Sponsored by GREEN FEED CYCLES
Chairs: Mancini Simone – Benini Elisa

14:00	<u>Tognocchi Monica</u> , Malucchi Gilda, Tinagli Sara, Canale Angelo, Perioli Riccardo, Conte Giuseppe, Mele Marcello, Serra Andrea <i>Rearing substrate influences the chemical composition of Hermetia Illucens larvae</i>	437
14:15	<u>Moradei Andrea</u> , Ottoboni Matteo, Malabusini Serena, Jucker Costanza, Savoldelli Sara, Pinotti Luciano <i>Enriched zinc and selenium agri-food by-products: effects on growth performance of black soldier fly</i>	096
14:30	<u>Baima Lorenzo</u> , Merlini Valentina Maria, Bellezza Oddon Sara, Gasco Laura, Biasato Ilaria, Loiotine Zaira, Blanc Simone, Massaglia Stefano, Brun Filippo <i>Economic and social perspectives on integrating Hermetia illucens meal in animal feed supply chain</i>	354
14:45	<u>Biasato Ilaria</u> , Bongiorno Valentina, Loiotine Zaira, Bellezza Oddon Sara, Ribeiro Teresa, Resconi Andrea, Passaro Rosa Laura, Mendez Rondo Keidy Yasmin, Filippa Alessia, Cappone Eleonora Erika, Fiorilla Edoardo, Renna Manuela, Brugiapaglia Alberto, Schiavone Achille, Gasco Laura <i>Live Tenebrio molitor larvae as feed ingredient for native chickens: effects on productive performance and egg quality</i>	038
15:00	<u>Copelotti Emma</u> , Fronte Baldassare, Sangiacomo Chiara, Sogari Giovanni, Andreani Giulia, Moruzzo Roberta, Mancini Simone <i>Black soldier fly as feed: focus on the quality of gilthead seabream (Sparus aurata L.) fillets fed with a partial fish meal replacement</i>	033
15:15	<u>Bellezza Oddon Sara</u> , Biasato Ilaria, Loiotine Zaira, Sorrentino Federica, Caimi Christian, Rumbos Christos, Gasco Laura <i>What about exploring new insect species? Fruit fly (Ceratitis capitata) meal as a feed ingredient in juvenile rainbow trout diets</i>	095
15:30	Coffee Break and Poster session	

Room Valentino | Session 18

Sustainability:
EXTENSIVE SYSTEMS

Chairs: Mele Marcello – Lunesu Mondina

14:00	Franca Antonello, Altana Giovanni, Arca Pasquale, Stanislao Atzori Alberto, <u>Khater Stephanie</u> , Monagheddu Arianna, Mussolino Claudio, Solinas Stefania, Vagnoni Enrico <i>A preliminary environmental characterization of Mediterranean pastoral food products based on the LCA approach</i>	436
14:15	Fichter Greta, Gauly Matthias, Sabia Emilio, <u>Zanon Thomas</u> <i>Environmental efficiency and carbon sequestration potential of organic vs. conventional Simmental dairy farming systems in mountain regions</i>	016
14:30	<u>Sturaro Enrico</u> , Birolo Marco, Bonavolontà Francesco, Mancinelli Cartoni Alice, Di Iacovo Francesco, Lacetera Nicola, Marconi Marco, Petracci Massimiliano, Provolo Giorgio, Verde Maria Teresa, Vitali Andrea <i>SOLSTICE: a living labs approach for assessing the overall sustainability of livestock systems through Life Cycle Assessment</i>	135
14:45	<u>Da Re Sebastiano</u> , Raniolo Salvatore, Squartini Andrea, Sturaro Enrico, Ramanzin Maurizio <i>Impact of livestock pasture-use intensity and soil geochemical properties on microbial functional potential of nutrient cycles in Alpine pastures</i>	174
15:00	<u>Raniolo Salvatore</u> , Da Re Sebastiano, Squartini Andrea, Sturaro Enrico, Ramanzin Maurizio <i>Grazing intensity, soil functions and greenhouse gas emissions: a case study in Alpine pastures of the Dolomites</i>	380
15:15	Cavallo Carmelo, <u>Amato Annalisa</u> , Evola Carola, Negrini Riccardo, Tolone Marco, Liotta Luigi, Lopreiato Vincenzo <i>Temperature-humidity index breakpoints for rectal temperature and milk performance of Cinisara cows under semi-extensive dairy system</i>	369
15:30	Coffee Break and Poster session	

Room Racconigi | Session 19

Ruminant Nutrition:
IN VITRO STUDIES AND NEW FEEDSTUFFS

Chairs: Cheli Federica – Natalello Antonio

14:00	<u>Scicutella Federica</u> , Bolletta Viviana, Lira De Medeiros Adja, Daglio Matteo, Foggi Giulia, Valenti Bernardo, Mannelli Federica, Mele Marcello, Viti Carlo, Pauselli Mariano, Buccioni Arianna <i>Are in vitro experiments a suitable tool to study rumen fermentation?</i>	238
14:15	<u>Vastolo Alessandro</u> , Montefusco Teresa, Ruggiero Alessio, Kiatti Dieu Donné, Cutrignelli Monica Isabella <i>Effect of hazelnut and pomegranate by-products on in vitro methane reduction and ruminal fermentation in sheep</i>	155
14:30	<u>Bonizzi Serena</u> , Colombini Stefania, Pavesi Martina, Cesari Valentina, Failla Osvaldo, Ragagnini Giorgio, Sandrucci Anna <i>Enhancing circularity in dairy cattle farming: nutritional assessment of Morus alba leaves</i>	352
14:45	<u>Daniso Enrico</u> , Cabbia Anita, Spanghero Mauro <i>In vitro rumen fermentation of wheat straw after treatment with mush-room extracts (Pleurotus ostreatus and Agaricus bisporus).</i>	496
15:00	<u>Fiorbelli Erica</u> , Moccia Davide, Rocchetti Gabriele, Atzori Alberto Stanislao, Pusceddu Antonio, Gallo Antonio <i>Screening of Italian Mediterranean macroalgae for the potential reduction of methane emissions</i>	530
15:15	<u>Maggiolino Aristide</u> , Caroprese Mariangela, Di Grigoli Antonino, Denora Nunzio, Lopedote Angela, Ponte Marialetizia, Marino Rosaria, Sevi Agostino, Pipi Marianna, De Palo Pasquale <i>An innovative rumen-bypass micro-encapsulation technique for essential oils</i>	176
15:30	Coffee Break and Poster session	

Room Agliè | Session 20

Welfare, Health and Behaviour:
NEW APPROACHES TO POULTRY MANAGEMENT

Chairs: Tufarelli Vincenzo – Aquilani Chiara

14:00	<u>Toth Mark</u> , Kovacs-Weber Mária, Ancsin Zsolt, Dalle Zotte Antonella, Erdélyi Márta <i>Preliminary evaluation of mealworm frass for broiler chicken bedding</i>	371
14:15	<u>Nompleggio Lorenzo</u> , Di Federico Francesca, Angelucci Elisa, Dal Bosco Alessandro, Castellini Cesare, Bosa Luigia, Mattioli Simona <i>Effect of kinetic activity on behaviour and productive performance of different chicken genotypes</i>	126
14:30	<u>Ciarelli Claudia</u> , Pravato Mattia, Bordignon Francesco, Xiccato Gerolamo, <u>Trocino Angela</u> <i>Effect of ramps on space use of laying hens in a cage-free system</i>	461
14:45	<u>Pravato Mattia</u> , Bordignon Francesco, Pezzuolo Andrea, Francesco Marinello, Trocino Angela, Xiccato Gerolamo <i>Relationships between environmental conditions and behaviour of laying hens in an aviary system</i>	053
15:00	<u>Lai Giorgia</u> , Pudda Flavia, Muzzeddu Marco, Cappai Maria Grazia <i>Feeding management for nutritional welfare of griffon vultures as life-long kept vs. temporarily before release into nature</i>	552
15:30	Coffee Break and Poster session	

Room Carignano | Session 21

Production Systems:
PRODUCTION STRATEGIES AND QUALITY TRAITS

Chairs: Petracci Massimiliano – Perricone Vera

14:00	<u>Molin Matteo</u> , Bordignon Francesco, Pravato Mattia, Zuffellato Andrea, Trocino Angela, Xiccato Gerolamo <i>Effect of group size, environmental enrichment, and temperature on growth performance and meat quality of rabbits</i>	050
14:15	<u>Peng Meng</u> , Tavaniello Siria, Stadnicka Katarzyna, Skowron Krzysztof, Grudlewska-Buda Katarzyna, Randazzo Cinzia, Vaccalluzzo Amanda, Maiorano Giuseppe <i>Effect of selected synbiotics injected in ovo on hatchability and chick quality</i>	285
14:30	<u>Balbo Chiara</u> , Stocco Giorgia, Pizzamiglio Valentina, Sabellini Giulio, Valoppi Davide, Tedeschi Irene, Levante Alessia, Alinovi Marcello, Fenga Irene, Chiavaro Emma, Summer Andrea, Cipolat-Gotet Claudio <i>The race of milk components: rising to the top during natural creaming in Parmigiano Reggiano PDO</i>	367
14:45	<u>Boldt Ariane</u> , Sanftleben Peter, Gauly Matthias, <u>Zanon Thomas</u> <i>Impact of sires’ breed on calving ease, resulting fattening performance and carcass quality parameters in fattening bulls from Holstein Friesian herds in North-Eastern Germany</i>	015
15:00	<u>Cozzi Giulio</u> , Segato Severino, <u>Magrin Luisa</u> <i>Production performance and early culling rates of finishing Charolais young bulls in Italy. Results of a case study</i>	149
15:00	<u>Piscopo Nadia</u> , Trapanese Lucia, Pierro Federica, Borzacchiello Luca, Matera Roberta, Esposito Luigi <i>Meat quality of the Podolica cattle raised with different finishing methods in the Calabrian Apennines</i>	205
15:30	Coffee Break and Poster session	

Room Venaria | Session 22

Genetics:
GENOMIC APPLICATIONS FOR BREEDING

Sponsored by SINERGY
Chairs: Macciotta Nicolò – Fabbri Maria Chiara

16:00	<u>Gomez Proto Guido</u> , Mancin Enrico, Oian Angelica, Rulli Eugenio, Blanchet Veruska, Vevey Mario, Bernini Francesca, Strillacci Maria, Bagnato Alessandro, Sartori Cristina, Mantovani Roberto <i>Precision breeding in Valdostana cattle breed: Genomic tools applied to milk production traits</i>	080
16:15	<u>Sartori Cristina</u> , Tuliozi Beniamino, Mancin Enrico, Rulli Eugenio, Gomez Proto Guido, Oian Angelica, Veruska Blanchet, Vevey Mario, Mantovani Roberto <i>Social dominance and other new behavioural phenotypes in Valdostana cattle: genetic parameters and relationships with selected traits</i>	550
16:30	Cesarani Alberto, Rossoni Attilio, Lourenco Daniela, <u>Gaspa Giustino</u> <i>Genetic parameters and genome wide association study on fertility traits in Italian Brown cows</i>	283
16:45	<u>Crepaldi Paola</u> , Bionda Arianna, Cortellari Matteo, Lopreiato Vincenzo, Rossoni Attilio, Mozafari Reza, Cesarani Alberto, Liotta Luigi, Parma Pietro <i>Robertsonian translocation 1-29: a focus on Sicilian breeds</i>	261
17:00	Sardina Maria Teresa, Riggio Silvia, <u>Carta Federica</u> , Ben Jemaa Slim, Portolano Baldassare, Benanti Alessia, Senczuk Gabriele, Cesarani Alberto, Mastrangelo Salvatore <i>Analysis of copy number variations in the peninsular Italian sheep breeds using a high-density 600K SNP array</i>	532
17:15	<u>Letaief Neyrouz</u> , Alhaddad Hasan, Lühken Gesine, Gaspa Giustino, Gianfranco Cosenza, Pauciullo Alfredo <i>Genetic investigation of the Lactophorin whey protein coding gene reveals novel polymorphisms in New and Old-World camelids</i>	104

Room Racconigi | Session 23

Food Quality:
BEEF

Chairs: Conte Giuseppe – Della Malva Antonella

16:00	<i>INVITED LECTURE</i> <u>Scollan Nigel David</u> <i>New trends in measuring animal product quality linking sustainability and husbandry systems</i>	
16:30	<u>Lunesu Mondina Francesca</u> , Carta Silvia, Rubattu Roberto, Fenu Antonio, Rassu Salvatore Pier Giacomo, Battacone Gianni, Pulina Giuseppe, Nudda Anna <i>Animal performance, carcass traits and meat quality of Limousine, Sardo-Bruna, and their crosses</i>	480
16:45	<u>Valenti Bernardo</u> , Lilli Emanuele, Bolletta Viviana, Pecorari Laura, Torquati Biancamaria, Ceccarini Federico, Calisti Silvia, Chiorri Massimo, Pauselli Mariano <i>Animal performance and meat quality of crossbred heifers fed with phenol-rich agri-food by-products and forages</i>	454
17:00	<u>Gagliano Mara Antonia</u> , Grigoletto Ilaria, Soglia Francesca, Valli Enrico, Gallina Toschi Tullia, Bendini Alessandra, Petracci Massimiliano <i>Instrumental and sensory evaluations to assess the quality of beef meat in relation to Country of origin</i>	257
17:15	<u>Forte Lucrezia</u> , Seccia Alessia, De Palo Pasquale, Calzaretti Giovanna, Incampo Giovanna, Samoilis Giorgio, Maggiolino Aristide <i>Meat quality in veal calves fed with milk whey powder</i>	230

Room Stupinigi | Session 24

Alternative Proteins:
INSECTS AND ALTERNATIVE PROTEINS AS ANIMAL FEEDS

Sponsored by GREEN FEED CYCLES
Chairs: Trocino Angela – Dell’Anno Matteo

16:00	Benini Elisa , Gordini Sabrina , Dondi Francesco , Scicchitano Daniel , Candela Marco , Gatta Pier Paolo , Bonaldo Alessio , Parma Luca <i>Bacterial Single-Cell Protein in aquafeed: implications for growth and gut health in Gilthead Sea Bream (Sparus aurata)</i>	181
16:15	Cenati Clara , Pea Alessia , Perricone Vera , Petrosillo Elena , Agazzi Alessandro , Katia Parati , Savoini Giovanni <i>Dietary microalgae in broiler nutrition and their effects on performance and organ development</i>	298
16:30	Correa Federico , Bordoni Alessandra , Luise Diana , Gotti Roberto , Trevisi Paolo <i>In vitro digestibility of microbial cell-derived protein sources for animal nutrition</i>	579
16:45	Sportelli Federica , Vecchiato Carla Giuditta , Pinna Carlo , Montanari Irene , Delsante Costanza , Biagi Giacomo <i>Effects of insect meals on the fecal microbiota: an in vitro study on healthy and chronic enteropathic dogs</i>	472
17:00	Armone Rosangela , Balouei Fatemeh , Randazzo Andrea , Nava Vincenzo , Alizzi Antonino Filippo Maria , Barbato Mario , Stefanon Bruno , Chiofalo Biagina <i>Preliminary assessment of nutrient digestibility and fecal quality in dogs fed a diet containing hydrolyzed feather meal</i>	123
17:15	Spatola Gabriele , Giusti Alice , Gasperetti Laura , Nuvoloni Roberta , Dalmasso Alessandra , Chiesa Francesco , Armani Andrea <i>Insects-based products sold by e-commerce on the EU market: microbiome characterization by 16S rRNA metabarcoding</i>	226

Room Valentino | Session 25

Sustainability:
SUSTAINABLE SUPPLY CHAINS

Chairs: Bava Luciana – Berton Marco

16:00	Diaz Vicuna Elena , Fiorilla Edoardo , Srikanthithasan Karthika , Zambotto Valeria , Bianchi Chiara , Capaldi Giorgio , Grillo Giorgio , Renna Manuela , Giorgino Andrea , Ozella Laura , Arneodo Valentina , Cravero Andrea , Tabasso Silvia , Forte Claudio <i>Improving livestock nutrition sustainability in a (hazel)nutshell</i>	541
16:15	Latrofa Antonella , Currò Sarah , Arango Quispe Sheyla Johanna Shumyko , Guzzo Nadia , Montanari Massimo , Bailoni Lucia <i>Nutritional characterization of industrial hempseeds (Cannabis sativa L.) of different varieties</i>	559
16:30	Capretti Chiara , Lanzoni Lydia , Petrocchi Francesca , Vignola Giorgio , Di Pasquale Jorgelina <i>The management of foot health as a tool to improve the sustainability of a dairy farm</i>	431
16:45	Mastromonaco Giulia , Massaglia Stefano , Blanc Simone , Borra Danielle , Costamagna Chiara , Cornale Paolo , Biagini Davide , Merlino Valentina Maria <i>Measuring the importance of sustainability in animal-based product supply chains: insights from the CUB Model</i>	314
17:00	Benedetti Del Rio Elena , Berton Marco , Sari Stefano , Zoratti Aloma , Corazzin Mirco , Tamburini Alberto , Gallo Luigi , Sturaro Enrico <i>Stakeholder attitude towards sustainability of dairy farming systems: a participatory process</i>	295
17:15	Fatica Antonella , Tedesco Doriana , Pastorelli Grazia , Todini Luca , Fantuz Francesco , Salimei Elisabetta <i>Stakeholders’ perspectives on environmental issues: preliminary results from SUNEQUMAR survey</i>	099

Room Mandria | Session 26

Ruminant Nutrition:
IN VITRO METHODOLOGY AND MICROPLASTICS

Chairs: Spanghero Mauro – Mannelli Federica

16:00	Iqbal Rashid, Arango Quispe Sheyla Johanna Shumyko, Guzzo Nadia, El Hawat Rebecca, Tagliapietra Franco, Bailoni Lucia	423
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16:15	Boldrin Gloria, Simoni Marica, Mantovani Luciana, Righi Federico	523
In vitro comparison among commercial dietary buffers		
16:30	Ghiaccio Francesca, Palmonari Alberto, Vecchiato Carla Giuditta, Federiconi Alessia, Mammi Ludovica Maria Eugenia, Silvestrelli Simone, Parazza Paola, Formigoni Andrea	522
Evaluation of nitrate at different level of inclusion on in vitro ruminal fermentation		
16:45	Abid Khalil, Kaihara Hatsumi, Barbera Salvatore, Danieli Pier Paolo, Glorio Patrucco Sara, Issaoui Rabeb, Tassone Sonia	037
Ruminant nutrition in the age of microplastics contamination: challenges and insights		
17:00	Lira De Medeiros Adja, Scicutella Federica, Mannelli Federica, Toni Elisabetta, Daghio Matteo, Viti Carlo, Del Bubba Massimo, Buccioni Arianna	124
Effect of microplastics additives on rumen ecology: in vitro preliminary study		
17:15	Kaihara Hatsumi, Issaoui Rabeb, Abid Khalil, Barbera Salvatore, Glorio Patrucco Sara, Tassone Sonia	036
First investigation of microplastics contamination in corn silage used for dairy cow nutrition		

Room Agliè | Session 27

Welfare, Health and Behaviour:
INNOVATIONS AND PERCEPTIONS FOR SUSTAINABLE PRODUCTION

Chairs: Trevisi Erminio – Santinello Matteo

16:00	Mota Gutierrez Jatziri, Srikanthithasan Karthika, Blanc Simone, Forte Claudio	021
Grab or Skip: What drives undergraduates to try animal welfare beef meat?		
16:15	Celozzi Stefania, Ravelli Andrea, Corradini Anna Francesca, Battini Monica, Marescotti Maria Elena	108
Ever been to a dairy farm? Testing the effect of virtual farm tours on consumers perceptions of livestock production		
16:30	Galosi Livio, Roncarati Alessandra	279
Protection of animals & research needs: legislative overview and future perspectives		
16:45	Rambozzi Luisa, Formisano Roberta, Pasquetti Mario, Molinar Annarita, Torsiello Benedetta, Giammarino Mauro, Battaglini Luca, Sangrali Martina, Midulla Luca, Sarale Adriano, Renna Manuela	024
Anthelmintic efficacy of pour-on Eprinomectin against gastrointestinal strongyles and relationships with milk production parameters in lactating goats		
17:00	Santillo Antonella, Ciliberti Maria Giovanna, Biancardi Valentina, Mangano Fabrizio, Della Malva Antonella, Caroprese Mariangela, Marino Rosaria, Sevi Agostino, Albenzio Marzia	132
Effect of almond and carob by products on immune competence of growing lambs		
17:15	Grossi Giampiero, Vitali Andrea, Rossi Chiara, Lacetera Nicola	340
Projections of the temperature humidity index for the Italian territory		

Room Carignano | Session 28

Production Systems:
TRADITIONAL PRACTICES, ECONOMICS, AND WELFARE

Chairs: Buccioni Arianna – Zampiga Marco

16:00	Gaspa Giustino, Cesarani Alberto, Negrini Riccardo, Laura Falchi, Ferrari Carolina, Macciotta Nicolò <i>Relationship between cows’ milk performances and dry period length in Italian cattle breeds</i>	287
16:15	Primi Riccardo, Viola Paolo, Girotti Pedro, Spada Francesco, Ortenzi Luciano, Bernabucci Gloria, Basiricò Loredana, Ronchi Bruno <i>Study of the variation in the distribution of wild and domestic ungulates in an extensive livestock farm in Central Apennine during the seasons trough trapping rate</i>	111
16:30	Lombardi Alessia, Bifulco Giovanna, Paparella Antonio, Cembalo Luigi, Neglia Gianluca, Campanile Giuseppe <i>Cost of buffalo milk: an analysis pre and post Covid</i>	208
16:45	Algeri Stefano, Palladini Nicola, Tamburini Alberto, Sari Stefano, Bava Luciana <i>Management of extended lactation: effects on milk production and reproductive parameters</i>	183
17:00	Iacurto Miriam, Steri Roberto, Meo Zilio David, Claps Salvatore, Giovanni Quaranta, Antonio Bosco, Giuseppe Cringoli <i>Survey on the management of cattle farms in two municipalities located in the park area of the Campania Region</i>	392
17:15	Leliveld Lisette, Manfrè Claudia, Brscic Marta, Battini Monica <i>Mother-offspring management in different dairy farm animal species as guidance for the implementation of cow-calf-contact systems?</i>	338

PROGRAM

Thursday,
19th June 2025

Room Venaria | Session 29

Genetics:
GENOMIC APPLICATIONS FOR BIODIVERSITY I

Sponsored by Vazyme
Chairs: Di Stasio Liliana – Barbato Mario

9:00	Benanti Alessia, Chessari Giorgio, Carta Federica, Riggio Silvia, Ben Jemaa Slim, Senczuk Gabriele, Bigi Daniele, Ciampolini Roberta, Sardina Maria Teresa, Sabbioni Alberto, Matassino Donato, Luongo Flavio, Fabbri Maria Chiara, Portolano Baldassare, Cesarani Alberto, Grande Silverio, Criscione Andrea, Mastrangelo Salvatore <i>Genomic characterisation and diversity assessment in endangered Italian sheep breeds</i>	220
9:15	Pierini Claudia , Saleh Medhat, Ciani Elena, Bruno Silvia, Bramate Grazia, De Palo Pasquale, Barbato Mario, Landi Vincenzo <i>The rediscovery of a forgotten breed: the genomic characterisation of the Fasanese sheep and investigation of its Eastern European origins</i>	252
9:30	Floridia Viviana , Bionda Arianna, Chiofalo Vincenzo, Cortellari Matteo, Lopreiato Vincenzo, Amato Annalisa, Virga Antonino Nazareno, Crepaldi Paola, Liotta Luigi, Barbato Mario <i>Mapping the phenotypic and genomic landscape of Montanina cattle</i>	424
9:45	Albarella Sara , Barbato Mario, D’Anza Emanuele, Floridia Viviana, Cascone Ilaria, Gianfranco Cosenza, Salzano Angela, Ciotola Francesca, Peretti Vincenzo <i>A genomic perspective on the Agerolese autochthonous cattle breed</i>	358
10:00	Bernini Francesca , Mancin Enrico, Sartori Cristina, Mantovani Roberto, Vevey Mario, Blanchet Veruska, Bagnato Alessandro, Strillacci Maria <i>Structural Variants shaping the aptitude of local cattle breeds</i>	335
10:15	Álvarez Quiñónez Ruth Isabel, Senczuk Gabriele, Persichilli Christian, Capomaccio Stefano , Cappelli Katia, Amparo Martinez, Rivero José Luis, Vega Pla José Luis, Pilla Fabio <i>Genetic diversity and evolutionary history of Baroque horse breeds: insights from genome-wide data</i>	468
10:30	Schiavo Giuseppina , Bovo Samuele, Bertolini Francesca, Bolner Matteo, Ribani Anisa, Taurisano Valeria, Dall’Olio Stefania, Manolo Cappelloni, Gallo Maurizio, Fontanesi Luca <i>Signatures of selection in Mora Romagnola, a highly inbreed autochthonous pig breed</i>	313
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Room Racconigi | Session 30

Ruminant Nutrition:
INSECTS, FATTY ACIDS AND MICROBIOTA

Sponsored by Ferrero Mangimi
Chairs: Todaro Massimo – Scicutella Federica

8:30	Conte Giuseppe , Tognocchi Monica, Casarosa Laura, Tinagli Sara, Serra Andrea, Mele Marcello <i>A multivariate approach to investigate mutual relationship among milk fatty acids across different ruminant species</i>	074
8:45	Rastello Lara , Badino Paola Constant Isabelle, Coppa Mauro, Gerbelle Mathieu, Gardini Giulia, Galli Alessandro, Trespeuch Christophe, Gasco Laura, Renna Manuela <i>Dietary black soldier fly oil reduces oxidative stress in dairy cows without affecting blood nutritional parameters</i>	023
9:00	Congiu Michele , Lourenco Jeferson, Cesarani Alberto, Macciotta Nicolò, Dimauro Corrado <i>Relationship between oral microbiome and performance traits in Angus bulls</i>	026
9:15	Baila Clàudia, Hervás Gonzalo, Renna Manuela, Gasco Laura, Rastello Lara, Barrio Esther, González-Merino Paloma, Bolletta Viviana, Frutos Pilar, Toral Pablo <i>Is black soldier fly oil a good alternative to replace palm distillate fatty acids in the diet of lactating sheep? Animal performance, feed efficiency and ruminal fermentation responses</i>	196
9:30	Mecocci Samanta , Pietrucci Daniele, Bagatella Stefano, Castrica Marta, Acuti Gabriele, Cappelli Katia, Hassan Talal, Malik Muhammad Irfan, Curone Giulio, Arif Muhammad Adnan, Ferrulli Vincenzo, Boccardo Antonio, Grossi Silvia, Sgoifo Rossi Carlo Angelo, Trabalza Marinucci Massimo, Capucchio Maria Teresa, Forte Claudio, Pravettoni Davide <i>Gut health effects of hazelnut skin dietary supplementation in Limousine bulls</i>	185
9:45	INVITED LECTURE Toral Pablo <i>Fatty acids beyond milk nutritional quality</i>	
10:15	Coffee break and Poster session	

Room Stupinigi | Session 31

Welfare, Health and Behaviour:
FROM PREVENTION TO THERAPY, UDDER HEALTH AND INNOVATIONS
IN ZOOTECHNICS

Chairs: Cozzi Giulio – Celozzi Stefania

8:30	<u>Petrera Francesca</u> , Daminelli Paolo, Posante Antonella, Fusi Francesca, Giroletti Luca, Marino Rosanna, Abeni Fabio <i>Evaluation of udder health status using bacteriological culture and somatic cell count after calving and at drying-off, and effects of antibiotic therapy</i>	291
8:45	<u>Bellato Alessandro</u> , Coppa Mauro, Manenti Isabella, Bongiovanni Luisa, Borla Laura, Donato Antonella, Battaglini Luca, Mannelli Alessandro <i>Individual risk factors for intramammary infections affecting dairy herds in Western Alps</i>	497
9:00	<u>Giannotta Gabriele</u> , Bisutti Vittoria, Barberio Antonio, Biasio Lara, Zappaterra Martina, Vanzin Alice, Giannuzzi Diana, Cecchinato Alessio, Pegolo Sara <i>Effect of subclinical intramammary infection on blood biochemical parameters in su-sceptible and resistant Holstein cattle</i>	385
9:15	<u>Rovetta Carlo</u> , Ramirez Mauricio Marco Aurelio, El Hawat Rebecca, Bisutti Vittoria, Vanzin Alice, Giannotta Gabriele, Toscano Alessandro, Massaro Selene, Giannuzzi Diana, Gallo Luigi, Pegolo Sara, Schiavon Stefano, Tagliapietra Franco, Cecchinato Alessio <i>Associations of body condition score and body weight changes with milk composition and fatty acids during the transition period in dairy cattle</i>	383
9:30	<u>Bisutti Vittoria</u> , Giannuzzi Diana, Vanzin Alice, Secchi Giulia, Cecchinato Alessio, Pegolo Sara <i>Multi-omic data integration for the identification of molecular drivers of subclinical intramammary infection in dairy cows</i>	156
9:45	<u>Andreoli Valentina</u> , Stocco Giorgia, Zanotti Andrea, Tedeschi Irene, Valoppi Davide, Chessa Stefania, Lange-Consiglio Anna, Grolli Stefano, Cipolat-Gotet Claudio <i>Addressing antibiotic resistance in dairy herds: the role of platelet rich plasma in masti-tis treatment</i>	505
10:00	<u>Dadi Yasmine</u> , Delosière Mylène, De Matos Luiz Gustavo, Delevaud Arnaud, Viala Didier, Salvi Gaspare, Balbi Ombretta, Penati Martina, De Palo Pasquale, Maggiolino Aristide, Bonnet Muriel, Cecilian Fabrizio, Lecchi Cristina <i>Proteome characterization of milk extracellular vesicles isolated from cows that expe-rienced hyperthermia</i>	188
10:15	Coffee break and Poster session	

Room Valentino | Session 32

Monogastric Nutrition:
POULTRY

Sponsored by Silvateam
Chairs: Trevisi Paolo – Lin Peng

8:30	INVITED LECTURE <u>Korver Doug</u> <i>Impact of oxidation and inflammation on poultry health and productivity</i>	
9:00	<u>Srikanthithasan Karthika</u> , Ferrocino Ilario, Raspa Federica, Nery Joana, Colombino Elena, Ippolito Dorotea, Gariglio Marta, Diaz Vicuna Elena, Fiorilla Edoardo, Mota Gutierrez Jatziri, Giorgino Andrea, Capucchio Maria Teresa, Schiavone Achille, Forte Claudio <i>Effects of dietary commercially processed former foodstuffs on the gut ecosystem in broilers</i>	199
9:15	Mecocci Samanta, Tang Jiayong, Acuti Gabriele, Pietrucci Daniele, Marini Daniele, Mercati Francesca, Franciosini Maria Pia, Chillemi Giovanni, Cappelli Katia, Forte Claudio, <u>Trabalza Marinucci Massimo</u> <i>Dietary supplementation with hazelnut skin polyphenols affects growth performance and intestinal microbiota in broiler chickens</i>	172
9:30	<u>Mannelli Federica</u> , Daghio Matteo, Scicutella Federica, Viti Carlo, Biagi Arroyo Marcinette Lucia, Galigani Ilaria, Buccioni Arianna <i>Microbiota characterization of four autochthonous Italian chicken breeds</i>	202
9:45	<u>Dayan Jonathan</u> , De Cesare Alessandra, Soglia Francesca, Zampiga Marco, Indio Valentina, Antenucci Emilia Luigia, Petracci Massimiliano, Sirri Federico <i>Replacing vegetable oils with Hermetia Illucens (Black Soldier Fly) larvae oil in broiler chicken diets: impacts on growth performance, meat quality, and caeca microbiome</i>	277
10:00	<u>Zeni Niko Gioacchino</u> , Perricone Vera, Schiavone Achille, Cerolini Silvia, Tognoli Cristina, Marelli Stefano, Fiamberti Federico, Zaniboni Luisa <i>Egg-laying performance of hens fed diets containing former food products</i>	388
10:15	Coffee break and Poster session	

Room Mandria | Session 33

Precision Farming:
COMPUTER VISION AND IMAGING TECHNOLOGIES

Chairs: Chincarini Matteo – Asti Vittoria

8:30	<u>Ozella Laura</u> , Vitturini Davide, Grangetto Marco, Bovo Marco, Giacobini Mario <i>Application of YOLOv8 for analyzing social dynamics in dairy cows within automated milking systems</i>	078
8:45	<u>Giannone Claudia</u> , Lamanna Martina, Cavallini Damiano, Formigoni Andrea, Tassinari Patrizia, Bovo Marco <i>Computer vision for monitoring the feeding behavior of dairy cows</i>	046
9:00	<u>Bordignon Francesco</u> , Pravato Mattia, Molin Matteo, Trocino Angela, Xiccato Gerolamo, Marinello Francesco, Pezzuolo Andrea <i>Environmental changes and hen spatial distribution in cage-free systems: a preliminary study</i>	068
9:15	<u>Urbani Rachele</u> , Bergamasco Tommaso, Nalesso Giacomo, Menegon Francesca, Trocino Angela, Pravato Mattia, Sparesato Stefania, Manca Grazia, <u>Di Martino Guido</u> <i>Development of an image analysis system at the slaughterhouse to assess laying hens’ welfare on farm</i>	184
9:30	<u>Felici Martina</u> , Behnam Armin, Bocchi Valeria, Zangoli Chiara, Mountricha Maria, Nanni Costa Leonardo, Pegolo Sara, Zappaterra Martina <i>Evaluating infrared thermography for early detection of sub-clinical mastitis in dairy cows: the impact of Staphylococcus aureus infections on udder skin temperature</i>	495
9:45	<u>Pittarello Marco</u> , Marengo Giacomo, Ravetto Enri Simone, Lonati Michele, Probo Massimiliano, Lombardi Giampiero <i>Detection of livestock site-use intensity at fine-scale in mountain grazing systems using Sentinel-2 time series</i>	457
10:00	<u>Giannone Claudia</u> , Dalla Costa Emanuela, Maccario Chiara, Atallah Elie, Bovo Marco <i>Preliminary analyses on the identification of horse behaviors using deep learning techniques</i>	048
10:15	Coffee break and Poster session	

Room Agliè | Session 34

Food Quality:
COW MILK QUALITY AND AUTHENTICATION

Chairs: Musco Nadia – Niero Giovanni

8:30	<u>Melilli Caterina</u> , Magnani Barbara, Cecchini Maria Elena, Cupellini Flavia, Continanza Rosa Maria, Iannuzzi Giulio, Fontana Annunziata, Giacccone Daniele, Negrini Riccardo <i>Performance of Italian Dairy Heard Information (DHI) milk laboratories assessed through three years of proficiency tests</i>	225
8:45	<u>El Hawat Rebecca</u> , Massaro Selene, Amalfitano Nicolò, Iqbal Rashid, Bailoni Lucia, Tagliapietra Franco <i>Terpene transfer from hemp (Cannabis sativa L.) and savory (Satureja hortensis L.) to milk of dairy cows supplemented with fresh leaves</i>	106
9:00	<u>Correddu Fabio</u> , Carta Silvia, Nudda Anna <i>Effect of dietary linseed on milk fatty acid profile, coagulation properties, and methane emission in local Sardo-Bruna cows</i>	479
9:15	<u>Mecocci Samanta</u> , Rampacci Elisa, Strincardini Claudia, Costantini Claudio, Elisabetta Chiaradia, Acuti Gabriele, Verini-Supplizi Andrea, Giovagnoli Stefano, Cappelli Katia <i>Stabilized bovine milk extracellular vesicles as anti-inflammatory and immunomodulatory agent on human macrophage-like cells</i>	231
9:30	<u>Cesarani Alberto</u> , Senczuk Gabriele, Sardina Maria Teresa, Pilla Fabio, Dimauro Corrado, Portolano Baldassarre, Macciotta Nicolò, Mastrangelo Salvatore <i>Comparison of machine learning algorithms to trace the geographical origin of raw milk using infrared spectra</i>	025
9:45	<u>Tedeschi Irene</u> , Malacarne Massimo, Dall’Olio Stefania, Valoppi Davide, Andreoli Valentina, Zanotti Andrea, Stocco Giorgia, Summer Andrea, Cipolat-Gotet Claudio <i>A comparative analysis of milk fat globule size and distribution in Holstein-Friesian and Reggiana cattle breeds</i>	305
10:00	<u>Dallavalle Giulia</u> , Secchi Giorgia, Mancini Andrea, Vrhovsek Urska, Angeli Andrea, Aprea Eugenio, Zambanini Jessica, Endrizzi Isabella, Solovyev Pavel, Zanon Thomas, Franciosi Elena <i>Promoting a circular bio-economy: use of wine cellar by-products as feed supplement for dairy cows and evaluation of the chemical and microbiological effects on dairy products</i>	400
10:15	Coffee break and Poster session	

Room Carignano | Session 35

Genetics:
GENOMIC STRATEGIES FOR FITNESS TRAITS

Sponsored by Vazyme
Chairs: Visentin Giulio – Ablondi Michela

8:30	<u>Rulli Eugenio</u> , Sbarra Fiorella, Quaglia Andrea, Mancin Enrico, Oian Angelica, Gomez Proto Guido, Mantovani Roberto, Sartori Cristina <i>Genetic evaluation of climate effect on Maremmana young bulls reared in test station</i>	533
8:45	<u>Schiavo Giuseppina</u> , Bovo Samuele, Bolner Matteo, Bertolini Francesca, Ribani Anisa, Taurisano Valeria, Dall’olio Stefania, Maranzani Jessica, Bonacini Massimo, Fontanesi Luca <i>Describing Reggiana cattle farms using genomic information from the breed population</i>	316
9:00	<u>Strillacci Maria</u> , Ferrulli Vincenzo, Bernini Francesca, Pravettoni Davide, Bagnato Alessandro, Martucci Ilaria, Boccardo Antonio <i>Genomic basis of Bovine Respiratory Disease resistance in preweaned dairy calves</i>	114
9:15	<u>Oian Angelica</u> , Mancin Enrico, Gomez Proto Guido, Sartori Cristina, Rulli Eugenio, Mantovani Roberto <i>GWAS analysis of fitness traits in autochthonous dual-purpose breeds</i>	330
9:30	<u>Carta Antonello</u> , Usai Graziano, Casu Sara, Sechi Tiziana, Mulas Giuliana, Ligios Ciriaco, Salaris Sotero <i>On the use of antibody responses as selection criteria to improve disease resistance in sheep</i>	304
9:45	<u>Riggio Silvia</u> , Mastrangelo Salvatore, Carta Federica, Benanti Alessia, Portolano Baldassarre, Sardina Maria Teresa <i>Prion protein gene polymorphisms in two Sicilian goat populations</i>	348
10:00	<u>Fabbri Maria</u> Chiara, Biada Iliyass, Sirtori Francesco, Pulido-Rodríguez Lina, Bozzi Riccardo, Tiezzi Francesco <i>Investigation of interaction between sheep and soil microbiota</i>	070
10:15	Coffee break and Poster session	

Room Venaria | Session 36

Genetics:
GENETIC SOLUTIONS FOR HEAT STRESS

Chairs: Negrini Riccardo – Pegolo Sara

10:45	<i>INVITED LECTURE</i> <u>Maltecca Christian</u> <i>Elucidating the biology of heat stress in lactating sows at the intersection of genome microbiome and metabolome</i>	
11:15	Bertolini Francesca, Bolner Matteo, Bovo Samuele, Schiavo Giuseppina, Zambonelli Paolo, Gallo Maurizio, Cappelloni Manolo, Fontanesi Luca <i>Metabolomics identified new biomarkers to help describing feed efficiency in Italian Large White pigs</i>	384
11:30	<u>Macciotta Nicolò</u> , Dimauro Corrado, Correddu Fabio, Cesarani Alberto <i>Development of a genetic index for heat stress tolerance in dairy sheep</i>	494
11:45	<u>Usai Mario Graziano</u> , Casu Sara, Salaris Sotero, Sechi Tiziana, Miari Sabrina, Mulas Giuliana, Carta Antonello <i>Individual variability of tolerance to heat stress of Sarda ewes raised in the Mediterranean region</i>	270
12:00	<u>Lecchi Cristina</u> , Maggiolino Aristide, De Palo Pasquale, Landi Vincenzo, Salvi Gaspare, Ceciliani Fabrizio, Ryts Andreas, Cominetti Ornella, Raymond Frederic, Soussan Elodie, Bobkov Maxim <i>Heat stress modifies the miRNA cargoes carried by small extracellular vesicles isolated from Holstein and Brown Swiss milk</i>	498
12:15	<u>Landi Vincenzo</u> , Pierini Claudia, Hidalgo Jorge, Bussiman Fernando, Maggiolino Aristide, Lasagna Emiliano, Sbarra Fiorella, Quaglia Andrea, De Palo Pasquale <i>Assessing the impact of climate factors on the growth performance of Podolica bulls during pre-performance phases</i>	546
12:30	Lunch	

Room Racconigi | Session 37

Ruminant Nutrition:
SMALL RUMINANTS AND BY-PRODUCT USE

Chairs: Nudda Anna – Battelli Marco

10:45	<u>Nudda Anna</u> , Carta Silvia, Correddu Fabio, Caratzu Maria Francesca, Cesarani Alberto, Pulina Giuseppe, Lunesu Mondina Francesca <i>A meta-analysis on the relationship between agro-industrial byproducts supplementation and milk production traits in dairy sheep</i>	040
11:00	<u>Hassan Mahmood UI</u> , Gannuscio Riccardo, Maniaci Giuseppe, Alabiso Marco, Ciccarello Salvatore, Todaro Massimo <i>Agro-industrial by-product: destoned olive cake as an alternative feed and ruminal fermentation modifier for dairy ewes</i>	210
11:15	<u>Gannuscio Riccardo</u> , Hassan Mahmood UI, Vastolo Alessandro, Tolone Marco, Maniaci Giuseppe, Calabrò Serena, Cutrignelli Monica Isabella, Todaro Massimo <i>Effects of feeding prickly pear by-product silage on dairy ewes</i>	116
11:30	<u>Mangione Guido</u> , Musati Martino, Mangano Fabrizio, Bertino Antonino, Luciano Giuseppe, Biondi Luisa, Cannone Marco Sebastiano, Lanza Massimiliano, Natalello Antonio <i>Sesame seed meal as alternative protein source in growing lambs</i>	365
11:45	<u>Pietrucci Daniele</u> , Mecocci Samanta, Luciano Giuseppe, Musati Martino, Priolo Alessandro, Milanese Marco, Chillemi Giovanni, Cappelli Katia, T rabalza Marinucci Massimo, Forte Claudio, Natalello Antonio <i>Characterization of lamb rumen and cecal microbiota in response to hazelnut skins and linseed dietary supplementation using 16S rRNA sequencing</i>	364
12:00	<u>Vasquez Mendosa Oscar Vicente</u> , Elghandour Mona M.M.Y., Galeano Diaz Maria Johana Paola, Ortiz Heredia María Angélica, <u>Salem Abdelfattah</u> <i>Effects of guanidinoacetic acid levels on growth performance and feed efficiency of finishing lambs</i>	203
12:15	<u>Porcu Maria Angela</u> , Ledda Antonello, Correddu Fabio, Carta Silvia, Rubattu Roberto, Cannas Antonello <i>Mitigation of the milk fat depression in ewes, caused by ryegrass herbage rich in water-soluble carbohydrate, by sodium bicarbonate: effects on milk fatty acid profile</i>	463
12:30	Lunch	

Room Stupinigi | Session 38

Welfare, Health and Behaviour:
ADVANCES IN CATTLE AND BUFFALOES MANAGEMENT

Chairs: Bernabucci Umberto – Evangelista Chiara

10:45	<u>Vitali Andrea</u> , Grossi Giampiero, Rossi Chiara, Lacetera Nicola <i>Summer dairy cows: THI-Heat_Load model for development of an alert-based cooling protocol</i>	414
11:00	<u>Ratto Roberta</u> , Pietrucci Daniele, Renzi Francesco, Milanese Marco, Mecocci Samanta, Bergagna Stefania, Acuti Gabriele, Guasco Cecilia, Chillemi Giovanni, Katia Cappelli <i>Combination of PLF and omics to characterize heat stress response in Marchigiana breed</i>	458
11:15	<u>Abeni Fabio Palmiro</u> , Negrini Riccardo, Ferla Andrea, Galli Andrea <i>Comparative evaluation of subclinical ketosis risk in Lombardy using two methods based on DHI data</i>	071
11:30	<u>Lamanna Martina</u> , Muca Edlira, Giannone Claudia, Bovo Marco, Romanzin Alberto, For-migoni Andrea, Cavallini Damiano <i>Meta-Analytical study on feeding behavior and daily time budget management of dairy cows in free-stall housing using ChatGPT</i>	064
11:45	<u>Vecchio Domenico</u> , Scali Federico, Maisano Antonio Marco, Fusi Francesca, Lorenzi Valentina, Di Vuolo Gabriele, Ambra Chiara Denise, Serrapica Maria, Cappelli Giovanna, Romeo Claudia Rosa, Bertocchi Luigi, Alborali Giovanni Loris, Santucci Giovanni, Zanella Adroaldo Josè, De La Cruz Luis Alberto, Bernardino Thiago, Stilwell George, De Carlo Esterina <i>Antimicrobial use in buffalo farm and dynamic of correlation with animal welfare and biosecurity evaluated by ClassyFarm System</i>	092
12:00	<u>Cappelli Giovanna</u> , Bosco Antonio, Di Vuolo Gabriele, Vecchio Domenico, Smeraldo Serena, Mancusi Andrea, Proroga Yolande, Martucciello Alessandra, Grassi Carlo, Serrapica Maria, Di Maro Orlandina, Napoletano Michele, Rinaldi Laura, De Carlo Esterina <i>Risk factors for Toxoplasma gondii seropositivity and DNA detection in raw milk on dairy buffalo farms in Southern Italy</i>	521
12:15	<u>Santinello Matteo</u> , Esposito Sergio, Purrone Sissy, Pierro Federica, Piscopo Federica, Ciaramella Paolo, Neglia Gianluca <i>Blood metabolite profile in Italian Mediterranean buffalo: effect of parity, lactation stage, and calving season</i>	159
12:30	Lunch	

Room Valentino | Session 39

Monogastric Nutrition:
SWINE I

Sponsored by Silvateam
Chairs: Cappai Maria Grazia – Braidot Matteo

10:45	<u>Manoni Michele</u> , Altomare Alessandra, Nonnis Simona, Mazzoleni Sharon, Tretola Marco, Bee Giuseppe, Silacci Paolo, Tedeschi Gabriella, Aldini Giancarlo, Pinotti Luciano <i>Evaluation of the impact of the dietary inclusion of salty and sugary former food products on the liver and the plasma profile of pigs through OMICS approaches</i>	027
11:00	<u>Luise Diana</u> , Correa Federico, Rocchetti Gabriele, Errico Michela, Polimeni Barbara, Serra Andrea, Mele Marcello, Gallo Antonio, Lucini Luigi, Trevisi Paolo <i>Multi-omics characterisation of pig colostrum and association of its bioactive compounds and gut microbiota with the survival of piglets</i>	462
11:15	<u>Trevisi Paolo</u> , Luise Diana, Palladino Giorgia, Palumbo Francesco, Scicchitano Daniel, Babbi Giulia, Castagnetti Andrea, Rampelli Simone, Candela Marco, Martelli Pier Luigi, Correa Federico <i>EU Circles Project: Multi-omics analysis reveals distinct microbial networks linked to a blend of chestnut and quebracho extract supplementation in weaned pigs under different farming conditions</i>	558
11:30	<u>Toscano Alessandro</u> , Don Gregorio, Ramayo-Caldas Yulixaxis, Sanchez Juan Pablo, Pegolo Sara, Schiavon Stefano, Gallo Luigi, Giannuzzi Diana <i>Metataxonomic characterization of fecal microbiota of heavy pigs fed with different levels of Arthrospira platensis</i>	246
11:45	<u>Correa Federico</u> , Luise Diana, Palumbo Francesco, Zurru Antonio, Biagi Giacomo, Trevisi Paolo <i>Effect of dietary microbial muramidase supplementation on weaned pigs’ performance, health status and intestinal microbiota</i>	519
12:00	<u>Zurru Antonio</u> , Trevisi Paolo, Laghi Luca, Palumbo Francesco, Correa Federico, Luise Diana <i>Effect of complete maize replacement by sorghum on health, welfare, performance and faecal microbiota of post-weaning piglets</i>	381
12:15	<u>Polimeni Barbara</u> , Correa Federico, Luise Diana, Zurru Antonio, Palumbo Francesco, Trevisi Paolo <i>Postbiotic supplementation in gestating and lactating sows and its effects on piglets health and performances</i>	483
12:30	Lunch	

Room Mandria | Session 40

Precision Farming:
DATA-DRIVEN DAIRY MANAGEMENT

Chairs: Neglia Gianluca – Giannone Claudia

10:45	<u>Zanchi Marco</u> , La Porta Caterina, Forte Claudio, Zapperi Stefano, Ozella Laura <i>Modeling dairy production under microclimatic variability in automatic milking systems using TSMixer</i>	102
11:00	<u>Pascarella Lorenzo</u> , Fioretti Mauro, Melilli Caterina, Galli Andrea, Negrini Riccardo <i>Effect of automatic milking system on udder health</i>	406
11:15	<u>Cavallini Damiano</u> , Lamanna Martina, Silvestrelli Simone, Colleluori Riccardo, De Matos VettoriJulio, Buonaiuto Giovanni, Gallo Antonio, Cannas Antonello, Formigoni Andrea <i>Substitution rate between partial mixed ration and robotic supplemental concentrate in high-producing dairy cows</i>	492
11:30	<u>Milanesi Marco</u> , Pietrucci Daniele, Del Buono Davide, Litta Paolo, di Gangi Leonardo, Furlanello Cesare, Chillemi Giovanni <i>New insights of climate effects on dairy production</i>	389
11:45	<u>Fumagalli Francesca</u> , Boldini Annamaria, Gallo Antonio, Atzori Alberto Stanislao <i>Feedback thinking in the dairy supply chain: system dynamics modelling of cheese factory</i>	200
12:00	INVITED LECTURE <u>Bovo Marco</u> <i>Precision Livestock Farming, from theory to practice</i>	
12:30	Lunch	

Room Agliè | Session 41

Food Quality:
DAIRY PRODUCT QUALITY AND CHEESEMAKING PROPERTIES

Chairs: Stocco Giorgia – Zanon Thomas

10:45	<u>Greco Margherita</u> , Lopez Annalaura, Pavolini Marta, Tamburin Alberto, Bellagamba Federica, Moretti Vittorio Maria <i>Quality of milk and cheese from cows grazing on mountain pasture from Italian Alps</i>	345
11:00	<u>Mangione Guido</u> , Musati Martino, Caccamo Margherita, Bertino Antonino, Mangano Fabrizio, Natalello Antonio, Luciano Giuseppe, Priolo Alessandro <i>Effect of grazing season on quality traits of cow ricotta cheese</i>	543
11:15	<u>Secchi Giorgia</u> , Mancini Andrea, Dallavalle Giulia, Nicoli Maria Cristina, Marino Marile-na, Innocente Nadia, Franciosi Elena <i>Exploring natural additives for cheese preservation</i>	399
11:30	<u>Amalfitano Nicolò</u> , El Hawat Rebecca, Benabid Hamida, Haddi Mohamed-Laid, Schia-von Stefano, Bittante Giovanni, Tagliapietra Franco <i>Impact of different enzymatic coagulants and doses on the cheese-making ability of milk from different dairy species</i>	446
11:45	<u>Claps Salvatore</u> , Perri Enzo, Benincasa Cinzia, Morone Giuseppe, Cifuni Giulia <i>Dietary supplementation with by-products from olive oil mill wastewater processing in dairy cows affected the aromatic fingerprint in cheeses</i>	091
12:00	<u>Ferragina Alessandro</u> , Molle Arnaud, Cipolat-Gotet Claudio, Stocco Giorgia <i>Exploration of hyperspectral imaging for the discrimination of Parmigiano Reggiano and Grana Padano PDO cheeses and ripening time</i>	474
12:15	Cozzi Giulio, Serva Lorenzo, <u>Segato Severino</u> , Berzaghi Paolo <i>Evaluating Italian butter quality: a preliminary study of chemical and rheological fac-tors across production sites</i>	191
12:30	Lunch	

Room Venaria + Room Racconigi | Session 42

Genetics:
BREEDING FOR MASTITIS RESISTANCE

Chairs: Capomaccio Stefano – Castiglioni Bianca

13:30	<u>Vanzin Alice</u> , Bisutti Vittoria, Giannuzzi Diana, Alessio Cecchinato, Gallo Luigi, Cánovas Angela, Pegolo Sara <i>Identification of functional variants leading to alternative splicing associated with subclinical intramammary infection in dairy cattle</i>	157
13:45	<u>Ponzo Enrico</u> , Moretti Riccardo, Masia Fernando, Vrieze Elisa, Sacchi Paola, Frizzarin Maria, Chessa Stefania <i>Predicting mastitis Follow-Up using Time Series on Automatic Milking System data and Machine Learning Methods</i>	308
14:00	<u>D’Anza Emanuele</u> , Barbato Mario, Floridia Viviana, Negrini Riccardo, Cascone Ilaria, Terlizzi Giuseppe Antonio, Rossetti Alberto, Cosenza Gianfranco, Ciotola Francesca, Albarella Sara, Peretti Vincenzo <i>Genetics and bioindicators of mammary health in Agerolese cattle: an integrate analysis</i>	403
14:15	<u>Punturiero Chiara</u> , Delle donne Andrea, Ferrari Carlotta, Milanesi Raffaella, Carabaño Maria Jesus, Díaz Clara, Ramon Manuel, Bagnato Alessandro, Strillacci Maria <i>Mastitis and somatic cell count in lactating dairy cows: a resilience perspective</i>	430
14:30	<u>Pegolo Sara</u> , Bisutti Vittoria, Vanzin Alice, Cecchinato Alessio, Giannuzzi Diana <i>Analysis of long non-coding RNAs in dairy cows with subclinical mastitis caused by Streptococcus agalactiae and Prototheca spp-</i>	152
14:45	<u>Cascone Ilaria</u> , López-Catalina Adrian, Albarella Sara, Ciotola Francesca, Cosenza Gianfranco, Salzano Angela, Peretti Vincenzo, Gonzalez Recio Oscar <i>Blood epigenetic patterns in mastitic buffaloes</i>	346
15:00	Coffee Break and Poster session	

15:00 / 19:00 ASPA Assembly

Room Carignano | Session 43

Ruminant Nutrition:
MINOR SPECIES AND FORAGE QUALITY

Chairs: Bailoni Lucia – Vastolo Alessandro

13.30	<u>Battelli Marco</u> , Rapetti Luca, Colombini Stefania, Galassi Gianluca, Pavesi Martina, Dai Xiaoxia, Menni Giorgio, Cesari Valentina, Crovetto Matteo <i>Evaluation of different additives to improve soybean silage quality</i>	245
13.45	<u>Cella Fabrizio</u> Giuseppe, Zucca Giovanni, Finocchi Matteo, Malizzi Tiziano, Ripamonti Alice, Mele Marcello, Mantino Alberto <i>Chemical composition and nutritive value of leaves and stems of poplar clones in an innovative Mediterranean agroforestry system</i>	336
14.00	<u>Nieddu Lidia Nicoletta</u> , Gallo Antonio, Mastroeni Carmelo, Fresu Mirko, Zara Severino, Ledda Antonello, Marzano Alessandra, Rubattu Roberto, Atzori Alberto Stanislao, Fancello Francesco <i>Use of functional silage in the feeding of Sardinia dairy sheep</i>	469
14:15	<u>Petrocchi Jasinski Francesca</u> , Evangelista Chiara, Basiricò Loredana, Vitali Andrea, Grossi Giampiero, Rossi Chiara, Turriziani Giovanni, Lacetera Nicola, Bernabucci Umberto <i>Impact of green forage on milk yield and quality, digestibility, and feeding behavior in Italian Mediterranean buffaloes during the hot season</i>	397
14:30	<u>Bisello Jacopo</u> , Currò Sarah, Guzzo Nadia, Amalfitano Nicolò, Cortese Martina, Bailoni Lucia, Tagliapietra Franco <i>Comparison of NIR chemical predictions for alfalfa hay using portable and benchtop systems</i>	531
15:00	Coffee Break and Poster session	

Room Stupinigi | Session 44

Welfare, Health and Behaviour:
EXPLORING THE COW-CALF RELATIONSHIP

Chairs: Brscic Marta – Cavallini Damiano

13.30	<i>INVITED LECTURE</i> <u>Veissier Isabelle</u> <i>The evolution of the concept of animal welfare: from absence of suffering to positive welfare and beyond</i>	
14.00	<u>Dai Xiaoxia</u> , Menni Giorgio, Liu Jing, Battelli Marco, Pavesi Martina, Rapetti Luca, Galassi Gianluca, Crovetto Matteo, Wenli Li, Colombini Stefania <i>Impact of endogenous ruminal lipopolysaccharides on functional activity in rumen mixed microbial communities</i>	223
14:15	<u>Palladini Nicola</u> , Algeri Stefano, Tamburini Alberto, Gislon Giulia, Bava Luciana <i>Welfare issues in cow-calf contact</i>	171
14:30	<u>Bocchi Valeria</u> , Costa Angela, Visentin Giulio, Zappaterra Martina, Bolcato Marilena, Nanni Costa Leonardo, Padalino Barbara <i>Current management of calves in Italian dairy farms: preliminary overview on the welfare of calves</i>	311
14:45	<u>Manfrè Claudia</u> , Leliveld Lisette, Danyer Aytemiz, Brscic Marta, Battini Monica <i>Application of Qualitative Behaviour Assessment on cows before and after their separation from their calf in a cow-calf contact system</i>	271
15:00	Coffee Break and Poster session	

Room Valentino | Session 45

Sustainability:
SUSTAINABLE STRATEGIES

Chairs: Mantino Alberto – Grossi Giampiero

13:30	<u>Berton Marco</u> , Sturaro Enrico, Bittante Giovanni, Gallo Luigi <i>Effects of dietary concentrate level on protein feed-food and land use competition indicators</i>	052
13:45	<u>Ferronato Giulia</u> , <u>Tobanelli Noemi</u> , Simonetto Anna, Gilioli Gianni <i>The effect of feeding strategies on enteric and manure methane emissions in dairy cows: evidence from Italian farms</i>	280
14:00	<u>Benedetti Lorenzo</u> , Bani Paolo, Frolidi Federico, Bani Giovanni, Ferrero Anita, Struder Jean Pierre, Trevisi Erminio <i>Effect of two commercial additives on pollutant emissions from dairy cow manur</i>	158
14:15	<u>Zangoli Chiara</u> , Chrysanthopoulos Stamatis, Elisabete A. Fernandes, Zappaterra Martina, Pocheville Salomé, Fangueiro David, Almeida André <i>Ammonia and greenhouse gases emissions during storage of excreta from poultry fed with 15% Spirulina dietary inclusion</i>	189
14:30	<u>Correa Federico</u> , Luise Diana, Palladino Giorgia, Secchi Nicola, Scicchitano Daniel, Babbi Giulia, Rampelli Simone, Candela Marco, Martelli Pier Luigi, Trevisi Paolo <i>CIRCLES EU project: on-farm wastewater treatment with bioactivators reduces air pol-lution and modulate slurry microbiota in pig growing units</i>	518
14:45	<u>Dela Pierre Flavia</u> , Fakhar Ali, Pedersen Johanna, Feilberg Anders, Dinuccio Elio, Kamp Jesper Nørlem <i>The effect of increasing H2SO4 on NH3 and NMVOC emissions from pig slurry application to permanent grass</i>	442
15:00	Coffee Break and Poster session	

Room Mandria | Session 46

Precision Farming:
GRAZING SYSTEMS AND PASTURE MONITORING

Chairs: Cecchinato Alessio – Matera Roberta

13:30	<u>Aquilani Chiara</u> , Confessore Andrea, Sirtori Francesco, Parrini Silvia, Dibari Camilla, Argenti Giovanni, De Guttry Luca, Pugliese Carolina <i>Does Virtual Fencing affect cattle behaviour and pasture utilization as compared to traditional grazing management?</i>	133
13:45	<u>Acciaro Marco</u> , Frongia Andrea, Schneider Manuel, Giovanetti Valeria, Serra Gabriella, Cabiddu Andrea, Decandia Mauro, Pauler Caren <i>GPS as a tool to monitor grazing behavior of Sarda dairy ewes</i>	162
14:00	<u>Confessore Andrea</u> , Aquilani Chiara, Sirtori Francesco, Rainis Simona, Pugliese Carolina <i>Virtual fencing vs. traditional grazing: impacts on dairy cows’ milk yield and behavior assessed with an automatic milking system</i>	470
14:15	<u>Marchegiani Sara</u> , Pasquini Marina, Trombetta Maria Federica, Ceccobelli Simone <i>Smart livestock grazing: GPS serving the extensive Marchigiana breeding system</i>	098
14:30	<u>Fatica Antonella</u> , Tedesco Doriana, Todini Luca, Fantuz Francesco, Salimei Elisabetta <i>Traceability for a grazing equine system in inner areas of Centre-South Italy</i>	100
15:00	Coffee Break and Poster session	

Room Agliè | Session 47

Food Quality:
SHEEP, GOAT AND BUFFALO MILK QUALITY

Chairs: Valenti Bernardo – Carta Silvia

13:30	<u>Stocco Giorgia</u> , Biffani Stefano, Tiezzi Francesco, Valoppi Davide, Tedeschi Irene, Bozzi Riccardo, Fabbri Maria Chiara, Sirtori Francesco, Grande Silverio, Castiglioni Bianca, Cipolat-Gotet Claudio <i>Factors affecting fat globules size of sheep milk</i>	112
13:45	<u>Valoppi Davide</u> , Biffani Stefano, Castiglioni Bianca, Bozzi Riccardo, Fabbri Maria Chiara, Sirtori Francesco, Tiezzi Francesco, Grande Silverio, Tedeschi Irene, Cipolat-Gotet Claudio, Summer Andrea, Stocco Giorgia <i>Effect of fat globules size on the technological properties of sheep milk</i>	309
14:00	<u>Bolletta Viviana</u> , Pauselli Mariano, Lilli Emanuele, Veneziani Gianluca, Santillo Antonella, Bertino Antonino, Valenti Bernardo <i>Animal performance and milk quality in grazing ewes supplemented a concentrated phenolic extract from olive-milling wastewaters</i>	432
14:15	<u>Boukrouh Soumaya</u> , Noutfia Ali, Moula Nassim, Avril Claire, Hornick Jean-Luc, Chentouf Mouad, Cabaraux Jean-François <i>Effects of Sulla flexuosa hay as alternative feed resource on goat’s milk production and quality</i>	570
14:30	<u>Magro Silvia</u> , Pozza Marta, Sartor Pietro, De Marchi Massimo, Niero Giovanni <i>Feasibility of mid-infrared spectroscopy for the prediction of milk coagulation properties in the Alpine and Saanen goats breeds</i>	441
14:45	<u>Iommelli Piera</u> , Musco Nadia, Lombardi Pietro, Sarubbi Fiorella, Tufarelli Vincenzo, Ceci Edmondo, Infascelli Federico, Tudisco Raffaella <i>Fennel seed powder in the diet of dairy buffalo affects milk VOCs profile, antioxidant activity and SCD1 mRNA level</i>	144
15:00	Coffee Break and Poster session	

PROGRAM

Friday,
20th June 2025

Room Venaria + Room Racconigi | Session 48

Genetics:
GENOMIC APPLICATIONS FOR BIODIVERSITY II

Chairs: Colli Licia – Mastrangelo Salvatore

9:00	Persichilli Christian, Cesarani Alberto, Mastrangelo Salvatore, Ben Jemaa Slim, Carta Federica, Riggio Silvia, Benanti Alessia, Pilla Fabio, Senczuk Gabriele <i>The North being cold, the South warm: genome-wide assessment of local sheep breeds in contrasting environmental conditions</i>	477
9:15	Floridia Viviana, Arias Katherine Daniela, Bionda Arianna, Cortellari Matteo, Amato Annalisa, Lopreiato Vincenzo, D’alessandro Enrico, Goyache Felix, Crepaldi Paola, Liotta Luigi, Barbato Mario <i>Uncovering the architecture of production-driven introgression in Cinisara cattle</i>	539
9:30	Mancin Enrico , Oian Angelica, Gomez Proto Guido, Rulli Eugenio, Sartori Cristina, Mantovani Roberto <i>Black boxing impacts of selection in Alpine cattle breeds</i>	293
9:45	Ben Jemaa Slim , Senczuk Gabriele, Carta Federica, Riggio Silvia, Benanti Alessia, Sardina Maria Teresa, Cesarani Alberto, Mastrangelo Salvatore <i>A genome-wide scan to identify signatures of selection in Sarda and Valle del Belice sheep breeds in relation to their geographical origin</i>	215
10:00	Bionda Arianna , Manunta Aldo Luigi, Carta Antonello, Crepaldi Paola <i>Preliminary study of the Caprera goat: an ancient feral population?</i>	236
10:15	Di Civita Marika , Wiener Pamela, Friedrich Juliane, Marr Melissa, Clark Emily, Senczuk Gabriele, Pilla Fabio <i>Exploring climate adaptation in European Merino sheep: a landscape genomics approach</i>	486
10:30	Carta Federica , Chessari Giorgio, Riggio Silvia, Benanti Alessia, Sardina Maria Teresa, Carlentini Morena, Laura Falchi, Senczuk Gabriele, Criscione Andrea, Cesarani Alberto, Mastrangelo Salvatore <i>Detection of homozygosity and heterozygosity regions in Southern Italian sheep breeds revealed by high-density SNP array</i>	243
10:45	Coffee Break and Poster session	

Room Carignano | Session 49

Welfare, Health and Behaviour:
INNOVATIONS AND SUSTAINABILITY IN HORSES MANAGEMENT

Chairs: Padalino Barbara – Felici Martina

9:00	Mecocci Samanta, Porzio Elisabetta, Beccati Francesca, Pepe Marco, Paris Angelo, Bergagna Stefania, Chillemi Giovanni, Chiaradia Elisabetta, Cappelli Katia <i>Omic technology to monitoring resilience and adaptation to exercise and heat stress in athlete horses</i>	118
9:15	Bordin Clara , Raspa Federica, Favaro Martina, Dino Giovanna, Gambino Francesca, Tazzini Antonio, Cerrato Giuseppina, Giordana Alessia, Boarino Alice, Padoan Elio, Tagliaferri Marta, Anchisi Emanuele, Valle Emanuela <i>From wastes to resources: using construction and demolition wastes to develop sustainable horse footing layers</i>	525
9:30	Benedetti Beatrice , Freccero Francesca, Patroncini Francesca, Padalino Barbara <i>Towards a higher level of welfare in pasture-kept horses: development and application of a new welfare protocol</i>	516
9:45	Gemma Pantaleo , Padalino Barbara <i>Animal welfare assessment of urban carriage horses in Malta</i>	404
10:00	INVITED LECTURE Vervuert Ingrid <i>Future challenges and welfare in forage feeding for sport horses</i>	
10:45	Coffee Break and Poster session	

Room Stupinigi | Session 50

Aquaculture:
MARINE SPECIES

Chairs: Terova Genciana – Carbonara Claudia

9:00	<u>Della Malva Antonella</u> , Santillo Antonella, Caroprese Mariangela, Marino Rosaria, Francavilla Matteo, Albenzio Marzia <i>Exploring the nutritional value of Mytilus galloprovincialis from the Gargano area (Apulia Region)</i>	224
9:15	Tarricone Simona, Colonna Maria Antonietta, <u>Ragni Marco</u> , Trani Roberta, Giangrande Adriana, Basile Graziana, Stabili Loredana, Carbonara Claudia, Longo Caterina <i>Flesh quality, shelf-life, and sensory properties of Sea Bream reared in a Mediterranean coastal Integrated Multi-Trophic Aquaculture (IMTA) system</i>	408
9:30	<u>Kalemi Violeta</u> , Rimoldi Simona, Monteiro Marta, Valente Luisa, Terova Genciana <i>Substitution of fishmeal with an insect meal blend and the effects on the intestinal microbiota of European seabass</i>	122
9:45	<u>Zarantoniello Matteo</u> , Cattaneo Nico, Conti Federico, Cardinaletti Gloriana, Sener Idris, Ceccobelli Simone, Olivotto Ike <i>Employing a natural microencapsulated antioxidant to mitigate dietary microplastic accumulation and oxidative stress response in juvenile European seabass (Dicentrarchus labrax)</i>	031
10:00	<u>Fanizza Cecilia</u> , Milián-Sorribes Maria Consolación, Jover-Cerdá Miguel, Martinez-Llorens Silvia, Trocino Angela, Tomás-Vidal Ana <i>Estimation of protein and fat requirements for greater amberjack (Seriola dumerili) juveniles reared in RAS</i>	054
10:15	Roncarati Alessandra, <u>Quagliardi Martina</u> , Antenucci Emanuele, Di Iorio Michele, Coccia Isabella, Santoianni Celeste, Rusco Giusy, Cariglia Michela, Pozzato Luca, Iaffaldano Nicolaia <i>Monitoring water temperature during the growth of gilthead sea bream juveniles in sea cage aquaculture</i>	248
10:30	<u>x</u> , Akther Kazi Rabya, Tafuro Valentina <i>Aquaculture in the Mediterranean region: key factors and future trends</i>	082
10:45	Coffee Break and Poster session	

Room Valentino | Session 51

Monogastric Nutrition:
SWINE II

Chairs: Pinotti Luciano – Correa Federico

9:00	Graziosi Maria Vittoria, Luise Diana, Correa Federico, Zurru Antonio, Trevisi Paolo, Biagi Giacomo <i>Reduction of amylose-amylopectin ratio in low-protein diets for fattening pigs: performance, health, behavioral, and environmental implications</i>	526
9:15	Lin Peng, Tretola Marco, Pinotti Luciano, Bee Giuseppe, Schlegel Patrick <i>Growth performance and nutrient balance of pigs fed low protein diets without mineral phosphate supplementation</i>	360
9:30	Antonacci Alessandro, Bee Giuseppe <i>Feeding low-protein or standard diets to growing-finishing pigs reared under environmental stressors: effects on growth and carcass composition</i>	187
9:45	Tono Veronica, Toscano Alessandro, Don Gregorio, Giannuzzi Diana, Gallo Luigi, Cecchi-nato Alessio, Schiavon Stefano <i>Growth performance and carcass quality of heavy pigs fed ad libitum diets with decreasing SID lysine contents</i>	264
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10:45	Coffee Break and Poster session	

Room Mandria | Session 52

Precision Farming:
SENSORS FOR BEHAVIOURAL MONITORING

Sponsored by MSD Animal Health
Chairs: Dalla Costa Emanuela – Antognoli Veronica

9:00	<u>Cecchinato Alessio</u> , Giannuzzi Diana, Rovetta Carlo, Bisutti Vittoria, Pegolo Sara, Arazi Alon, Katz Gil, Trevisi Erminio, Mele Marcello, Gallo Luigi, Tagliapietra Franco, Schiavon Stefano, Macedo Mota Lucio Flavio <i>Leveraging 3D accelerometer data to predict heat stress in dairy cows</i>	209
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9:45	<u>Gislon Giulia</u> , Mondini Sara, Zucali Maddalena, Pavolini Marta, Bava Luciana, Canali Elisabetta, Sandrucci Anna <i>Integrated sensor data for monitoring calves' condition</i>	562
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Room Agliè | Session 53

Companion Animals:
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Chairs: Cutrignelli Monica – Luciano Alice

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10:45	Coffee Break and Poster session	

Room Venaria + Room Racconigi | Session 54

Genetics:
GENETIC STRATEGIES FOR ECONOMIC TRAITS

Chairs: Crepaldi Paola – Cesarani Alberto

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Welfare, Health and Behaviour:
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Chairs: Gottardo Flaviana – Luise Diana

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MISCELLANY

Chairs: Parisi Giuliana – Fanizza Cecilia

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Monogastric Nutrition:
RABBIT, POULTRY AND DONKEY

Chairs: Nicolaia Iaffaldano – Marchetti Luca

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Room Mandria | Session 58

Monogastric Nutrition:
RABBIT, POULTRY AND DONKEY

Sponsored by MSD Animal Health
Chairs: Salzano Angela – Presutti Livia

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GENERAL INFORMATION

CONGRESS DATES

17th June (Tuesday) – 20th June (Friday) 2025

VENUE

University Campus of Grugliasco
largo Paolo Braccini 2, 10095 Grugliasco (Turin).

Secretariat and Registration desk times during the Congress

Tuesday 17th June 12.00 – 18.00

Wednesday 18th June 08.30 – 18.00

Thursday 19th June 08.00 – 19.00

Friday 20th June 08.30 – 13.30

REGISTRATION

The registration fee includes:

- › Admission to the Scientific Sessions and the Exhibition Area
- › Conference kit
- › Abstract collection, available online as a supplement of the “Italian Journal of Animal Science”
- › Opening Ceremony and Welcome Cocktail on Tuesday 17th June
- › Typical dinner on Wednesday 18th June at Il Capodoglio Resturant (Murazzi del Po Gipo Farassino 37, 10123 Torino)
- › Coffee breaks and lunches as shown in the programme
- › Certificate of attendance

BADGE

All participants will receive a badge, which they are requested to wear during all Congress activities to be admitted to the scientific sessions and to the social programme.

LANGUAGE

The official languages of the Congress are English and Italian.
Simultaneous translation will not be provided.

MOBILE PHONES, PHOTO AND VIDEO

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.

OPENING CEREMONY

The Opening Ceremony will take place on Tuesday 17th June 2025 at the University Campus of Grugliasco and will be followed by a Welcome Cocktail.

SOCIAL DINNER

The Social Dinner will be held on the evening of Thursday 19th June at Palazzina di Caccia di Stupinigi (TO). A transfer service by private bus will be organized, with departure at 19.30 from the University Campus of Grugliasco and return in Turin downtown.

4TH 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 the Italian Journal of Animal Science (IJAS) and with the economic support of the Organizing Committee of the 26th ASPA Congress (2025), organizes the fourth edition of the “ASPA Young Researchers Competition - Oral Presentations” with the aim to select the best 7 papers as oral communications at the 26th ASPA Congress. The awarding of the best communications is scheduled for the 20th June at 12.45.

4TH EDITION OF THE “ASPA YOUNG RESEARCHERS COMPETITION – POSTERS”

To promote and stimulate young researchers, the Animal Science and Production Association (ASPA), in collaboration with the Italian Journal of Animal Science (IJAS) and with the economic support of the Organizing Committee of the 26th ASPA Congress (2023), organizes the fourth edition of the “ASPA Young Researchers Competition - Poster Presentations” with the aim to select the best 7 papers as Poster communications at the 26th ASPA Congress. The awarding of the best communications is scheduled for the 20th June at 12.45.

TORINO AND ITS PROVINCE

The province of Torino is one of the largest provinces in Italy with the highest number of municipalities. It is made up of a mountainous part to the west and north along the border with France and the the Aosta Valley, and a flat or hilly part in the southern and eastern areas, and it is crossed mainly by the Po River. Turin, lively and elegant, stands as a testament to both its rich history and its vibrant present. This city, immersed in greenery and gently cradled by the Po River against the backdrop of the western Alps, offers an enchanting geographical charm. As Italy’s first capital, Turin invites you to explore its layered history through its Royal Residences, palaces, and museums, as well as its parks, riverbanks, and the surrounding mountains. The city’s streets and squares, with their long arcaded stretches and multiethnic neighborhoods, tell stories of a harmonious blend of Roman urban planning, Piedmontese baroque splendor, and modern architectural innovation. Turin is a city to be savored slowly, inviting visitors to look up and around to absorb its unique atmosphere and diverse offerings.

HOW TO REACH THE CONGRESS VENUE

- › Metropolitan Trainline Service: a train every 30 minutes from Torino Porta Nuova station to Grugliasco station (10 minutes) + a 5 minutes walk
- › Underground: from the city center to Fermi station + a 15 minutes walk or shuttle nr 76
- › Bike sharing service: two stations near the campus
- › Taxi service: call +39 011 5737 or +30 011 5730



