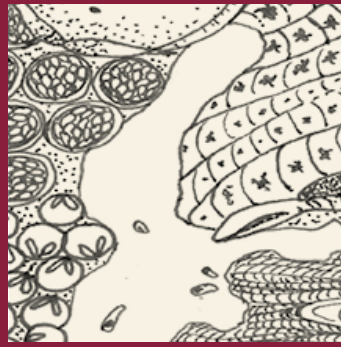


XXXIV CONGRESSO NAZIONALE SOIPA



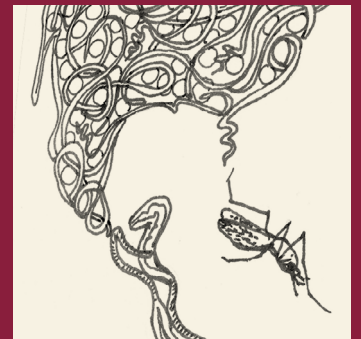
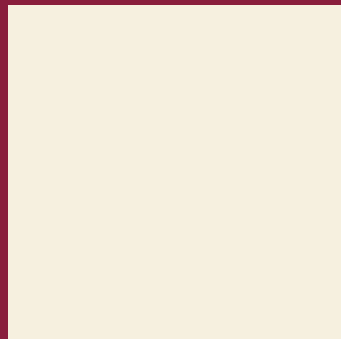
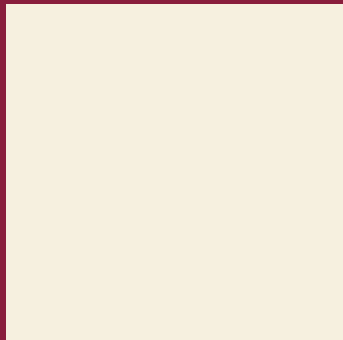
CO-OPERAZIONE
PARASSITOLOGIA



↘
23 – 26
giugno 2026

↘
Plesso
Belmeloro,
Plesso
San Giovanni
in Monte

 **SOIPA**
Società Italiana di Parassitologia



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ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

DIPARTIMENTO
DI SCIENZE MEDICHE
VETERINARIE

PROGRAMME

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Cari colleghi,

Il Comitato Organizzatore è lieto di annunciare che il **XXXIV Congresso Nazionale della Società Italiana di Parassitologia** si terrà a **Bologna** dal 23 al 26 giugno 2026. Questa città è conosciuta da tanti anche come "la Grassa" per la sua rinomata gastronomia, "la Rossa" per i colori dei suoi edifici storici, "la Turrita" per le tantissime torri che una volta sorgevano nel suo centro storico e infine come "la Dotta" in quanto sede della prima università del mondo occidentale.

Ed è proprio presso le strutture dell'**Alma Mater Studiorum - Università di Bologna** che si terranno le attività del Congresso, dapprima con la **cerimonia inaugurale presso lo storico complesso di S. Giovanni in Monte, quindi con i lavori congressuali nelle aule del nuovo complesso Belmeloro**, sorto nell'area in cui era ubicata la vecchia Facoltà di Medicina Veterinaria.

Abbiamo voluto dare al Congresso il titolo **Co-Operazione Parassitologia** per caratterizzarne i contenuti primari, pur affrontandoli con chiavi di lettura diverse:

- il coinvolgimento della parassitologia medica e veterinaria in numerose attività di cooperazione internazionale volte a promuovere lo sviluppo socio-sanitario in diverse aree del mondo, soprattutto nei paesi meno avanzati;
- la co(-)operazione tra discipline diverse che ha sempre caratterizzato la parassitologia nazionale e internazionale, con interazioni proficue tra settori medici, veterinari e biologici;
- la visione di medicina unica, che proprio a Bologna si affermò con la scuola del prof. Mantovani, indicando la necessità di affrontare in modo integrato tematiche di salute umana e animale così come affermato dall'approccio One Health.

Con questo spirito, da sempre presente nella nostra SolPa, questo congresso presenta un programma molto ricco e inclusivo: oltre 20 simposi che prevedono anche confronti tra discipline diverse, oltre che strettamente parassitologiche, con una multidisciplinarietà dimostrata anche dai numerosi invited speakers che operano in settori diversi e arricchiranno il contributo scientifico dei simposi. Ovviamente, come in tutti i congressi SolPa, le comunicazioni delle sessioni parallele rappresenteranno un'importante occasione di aggiornamento, scambio e condivisione delle molteplici attività di ricerca condotte dai soci SolPa.

Come da tradizione, sono previsti **SolPa awards** destinati ai giovani ricercatori, insieme al premio **SolPa - de Carneri** istituito grazie ai diritti d'autore del romanzo giallo "La città e l'abisso" messi a disposizione dall'autore, il socio **Claudio Bandi**.









Durante il congresso sono previsti infine diversi eventi conviviali, inclusa la riproposizione di **ParasEataly!**











Vi aspettiamo quindi numerosi a SolPa 2026 – Bologna, sapendo che la co-operazione di tutti sarà essenziale per la buona riuscita del congresso!




A presto
"I Bolognesi"

Programme at a glance

DAY 1 – 23 June 2026		San Giovanni in Monte, Piazza S. Giovanni in Monte, 2
	Room PRODI	CLOISTER
16.00	REGISTRATION	
17.00	OPENING CEREMONY <u>Opening remarks</u> <u>Lectio Magistralis</u> : The Bastards of Via San Giacomo... over 50 Years of Bolognese Parasitology, Prof. Poglayen <u>Lectio Magistralis</u> : This land is your land. Fish parasites and the right to exist, Prof. Fioravanti	
19.00		WELCOME COCKTAIL

DAY 2 – 24 June 2026		Complesso Belmeloro, Via Andreatta, 8			
	Room A	Room C	Room D	Room E	Room F
8.30	SYMPOSIUM 1 Precision Parasitology 	SYMPOSIUM 2 One Health, One Access: integration between human and veterinary medicine for antiparasitic treatments SolPa/SIMET  (30') – Poster Neglected parasitic diseases	[Frangipane di Regalbano-Epis] SOIPA AWARD 1 Oral communications <ul style="list-style-type: none"> • Zoonoses and One Health • Mycotic Diseases • Treatments and Drugs Resistance • Parasitic Diseases in Companion Animals • Parasites In Fish and Aquatic Animals • Alternative Methods for Parasite Control 	[Otranto-Montarsi] Oral communications Vectors and vector-borne diseases	[Bosco-Gazzonis] Oral communications Poster Parasitic diseases in livestock Animals
10.30	Coffee break				
11.00	[Tedesco-Palomba] Oral communications Poster Parasites in fish and aquatic animals	SYMPOSIUM 3 Next-Gen experimental platforms for Host-Parasite Studies 	SYMPOSIUM 4 VETOQUINOL Innovation in feline ecto parasite prevention and treatment 	[Mangano-Cavallero] SOIPA AWARD 2 Oral communications <ul style="list-style-type: none"> • Zoonoses and one health • Alternative Methods for Parasite Control 	[Napoli-Grillini] Oral communications Vectors and vector-borne diseases
13.00	Light lunch				
14.00	SYMPOSIUM 5 Ecology and control of Sand flies: challenges and prospects for public health  (30') – Poster Vectors and vector-borne diseases	SYMPOSIUM 6 The new ESDA guidelines (European Society of Dirofilariosis and Angiostrongylosis)  <i>Sponsored by CEVA</i>	SYMPOSIUM 7 Parasitological diagnosis in Italy CoSP-AMCLI-SolPa 	[Frangipane di Regalbano-Epis] SOIPA AWARD 3 Oral communications <ul style="list-style-type: none"> • Eco-parasitology and wildlife • Parasitic diseases in livestock Animals • Vector and Vector-borne Diseases 	
16.00	Coffee break				
16.15	SYMPOSIUM 8 <u>Thematic session 1</u> Human leishmaniasis: surveillance and molecular diversity in a One Health framework, SIM-SolPa <u>Thematic session 2</u> Leishmania parasites: scientific challenges and new perspectives in host-parasite interaction 	[Maurelli-Bazzocchi] Oral communications Poster Diagnostic, Phylogeny and Genomics	[Zanet-Cassini] Oral communications Poster Eco-parasitology and wildlife	[Rubiola-Guardone] Oral communications Poster Zoonoses and one health Poster Vectors and vector-borne diseases	
19.15	Cocktail – Room A <i>Sponsored by Boehringer Ingelheim</i>				
19.45	PARASEATALY				

DAY 3 – 25 June 2026		Complesso Belmeloro, Via Andreatta, 8			
	Room A	Room C	Room D	Room E	Room F
8.30	SYMPOSIUM 9 Interdisciplinary discussion on the management of parasitic and infectious diseases in dogs and cats  <i>Sponsored by Boehringer Ingelheim</i>	SYMPOSIUM 10 Comparative clinical mycology: dialogues between physician and veterinarians on fungal zoonoses and new therapeutic frontiers 	SYMPOSIUM 11 Ticks inside out 	[Esposito-Mangano] SOIPA AWARD 4 Oral communications <ul style="list-style-type: none"> Neglected parasitic diseases Diagnostic, Phylogeny and genomics Vectors and vector-borne diseases 	
10.30	Coffee break				
11.00	SYMPOSIUM 12 Global Parasitology: gender perspectives and international inclusive cooperation (WIP2.0) 	SYMPOSIUM 13 Environmental DNA (eDNA): A new frontier for assessing and monitoring the biodiversity of parasites and vectors? Where are we now? 	SYMPOSIUM 14 BOEHRINGER INGELHEIM New epidemiological data: an overview of the main parasitic diseases of dogs and cats in Italy 	[Epis-Mangano] SOIPA AWARD 5 Oral communications Vectors and vector-borne diseases	
12.30	Light lunch				
13.30	SYMPOSIUM 15 Animals and pathogenic fungi: a hidden reservoir among us? 	SYMPOSIUM 16 One Health insights: zoonotic Blastocystis and Microsporidia across species 	[Esposito-Frangipane] SOIPA AWARD 6 Oral communications <ul style="list-style-type: none"> Vectors and vector-borne diseases Eco-Parasitology and Wildlife 	[Morelli-Veronesi] Oral communications Poster Treatments and drugs resistance	[Barlaam-Morganti] Oral communications Poster Zoonoses and one health Poster Parasites in fish and aquatic animals Oral communications Neglected parasitic diseases
15.00	Coffee break				
15.30	SYMPOSIUM 17 Battista Grassi in the Golden Age of Parasitology: People, Stories, and Discoveries 	SYMPOSIUM 18 Sexual and reproductive health: an interdisciplinary perspective on the burden of parasitic infections 	[Vismarra-Villa] Oral communications Poster Alternative methods for parasite control Oral communications Poster Mycotic diseases Poster <ul style="list-style-type: none"> Neglected parasitic diseases Parasites and migration Parasitic diseases in companion animals 	[Casulli-Gabrielli] Oral communications Poster Vectors and vector-borne diseases	
17.30	Members assembly and Board of Instructors – Room A				
20.30	Social dinner c/o Le Serre dei Giardini Margherita				

DAY 4 – 26 June 2026		Complesso Belmeloro, Via Andreatta, 8		
	Room A	Room C	Room D	Room E
8.30	[Beraldo-Dini] Oral communications Poster Eco-parasitology and wildlife	SYMPOSIUM 19 Neglected tropical diseases: update on the policy and news on epidemiology 	SYMPOSIUM 20 From Research Node 2 of the PNRR INF-ACT Project to the Italian Network on Arthropod Vectors and Vector-Borne Diseases 	[Brianti-Simonato] Oral communications Parasitic diseases in companion animals
10.30	Coffee break			
11.00	SYMPOSIUM 21 Major parasitic diseases in poultry: current challenges and control strategies 	[Ortalli-Pombi] Oral communications Neglected parasitic diseases	[Maioli-Galuppi] Poster Vectors and vector-borne diseases	
13.00	Closing ceremony – Room A			

SYMPOSIUM 1 – PRECISION PARASITOLOGY (EN)

Room A

Chairpersons: Maria Paola Maurelli (UNINA), Lisa Guardone (UNIFI)

1. Keynote – Precision Parasitology: Emerging Platforms for High Throughput Test Development and Automated Diagnostic Applications

Ramon M. Eichenberger (Zurich University of Applied Sciences; Institute of Chemistry and Biotechnology, Section of Medical Micro- and Molecular Biology, Switzerland)

2. Perspectives for holistic molecular diagnostics in parasitology

Amir Reza Varzandi (Department of Veterinary Sciences, UNITO)

3. Coccimorph Image-Based Software: a complementary tool for the identification of chicken *Eimeria* spp. in field samples

Marta Raffaelli (Department of Veterinary Sciences, UNIFI)

4. An open-source 3D-printed toolkit for point-of-care malaria microscopy

Valentina Mangano (Department of Translational Research and New Technologies in Medicine and Surgery, UNIFI)

5. Artificial intelligence for smart detection of intestinal parasites in animals and humans

Maria Paola Maurelli (Department of Veterinary Medicine and Animal Production, UNINA)

SYMPOSIUM 2 – ONE HEALTH, ONE ACCESS: MEDICAL AND VETERINARY ACTIONS FOR ANTIPARASTIC TREATMENTS – SOIPA/SIMET (IT/EN)

Room C

Chairpersons: Marco Albonico (FESTMIH), Laura Rinaldi (UNINA)

1. Keynote – Next-Generation Treatments for Soil-Transmitted Helminths

Jennifer Keiser (Swiss Tropical and Public Health Institute, Allschwil, Switzerland)

2. Right to Health and access to essential medicines for NTDs in Italy and in Europe

Guido Calleri (Infectious Diseases Unit, Amedeo di Savoia Hospital, Turin)

3. The use and control of anthelmintics in ruminants in Italy

Antonio Scala (Department of Veterinary Medicine, UNISS)

4. One Health/One Access: medical and veterinary actions for antiparasitic treatments

Ezio Ferroglio (UNITO)

5. Conclusioni e Discussione

Marco Albonico (FESTMIH); Laura Rinaldi (UNINA)

POSTER PRESENTATIONS: NEGLECTED PARASITIC DISEASES**1. Effectiveness of liposomes and transferosomes for the delivery of antileishmanial compounds in infected macrophages**Livia A. Suprani, Giorgia Cancellieri, Sara Morselli, Federica Belluti, Angela Abruzzo, Sara Lugli, Federica Bigucci, Stefania Varani, Margherita Ortalli**2. Multi-omic investigation of host-pathogen interaction in human strongyloidiasis**Natalia Tiberti, Michela Deiana, Nicole Padovani, Elisabetta Vezzelli, Marcello Manfredi, Niccolò Ronzoni, Chiara Piubelli, Dora Buonfrate**3. Seroprevalence of antibodies against *Leishmania* sp. in the population of Verona province**Silvia Stefania Longoni, Concetta Castilletti, Eleonora Rizzi, Silvia Accordini, Sara Negrelli, Lorena Chesini, Natasha Gianesini, Chiara Piubelli, Federico Gobbi**4. Unusual Subcutaneous Pseudomyiasis Caused by *Psychoda* sp. (Diptera: Psychodidae) in a Pediatric Patient: First Report from Italy**Barbara Moroni, Maria V. Riina, Alberico Franzin, Matteo R. Di Nicola, Pier Luigi Acutis, Elena Bozzetta, Elena Biasibetti**5. Seroepidemiology of Human Toxocariasis in a Selected Population in Italy: A small case study in eastern Piedmont**Christian Di Domenico, Giulia Faolotto, Maria Chiara Bianchi, Marco Tozzini, Stefano Aliberti, Maria Grazia Pellò, Antonio D'Alterio, Paola Ravanini**6. Scabies After the COVID-19 Pandemic: Epidemiological Trends, Diagnostic Challenges, and One Health Insights from Piedmont**Ludovica Peli, Fabio Zottarelli

Chairpersons: Antonio Frangipane di Regalbono (UNIPD), Sara Epis (UNIMI)

ZOONOSES AND ONE HEALTH

1. Human dirofilariasis in Italy: a multicentric one-year case series revealing re-emerging trends and the first detection of *Dirofilaria asiatica*

Filippo Maria Dini, Margherita Ortalli, Roberta Galuppi, Luciano Attard, Daniele Marini, Giovanna Liguori, Caterina Campoli, Giulia Querzoli, Giovanni Badiali, Benedetta Fabbri, Giorgio Gentile

MYCOTIC DISEASES

1. Shared *Malassezia pachydermatis* in dogs and their owners

Mara Miglianti, Marcos Antonio Bezerra-Santos, Antonio Rizzo, Nicola Pugliese, Roberta Iatta, Rossella Samarelli, Vanessa Barrs, Domenico Otranto

TREATMENTS AND DRUGS RESISTANCE

1. Implementation of an advanced in vitro *Giardia duodenalis*/pig ODM co-culture system to evaluate anti-giardial drug(s) efficacy and safety

Giovanna Nunziata, Lionel Bigault, Damien Legloahec, Yannick Blanchard, Maud Contrant, Marco Lalle

2. Egg shedding dynamics and anthelmintic evaluation in *Uncinaria stenocephala* from naturally infected dogs

Renata Fagundes-Moreira, Marcos Antonio Bezerra-Santos, Jan Slapeta, Domenico Otranto

PARASITIC DISEASES IN COMPANION ANIMALS

1. Coproantigen-based diagnosis of cestode infection in Italian hunting dogs

Farwa Humak, Francesco Buono, Daniela do Amaral Grossi, Rita Hanna, Amy Porter, Elisa Castaldo, Stefano Scarcelli, Jesse Buch, Vincenzo Veneziano

PARASITES IN FISH AND AQUATIC ANIMALS

1. *Corbicula* sp. as a potential bioindicator of *Cryptosporidium* spp., *Giardia duodenalis* and *Enterocytozoon bieneusi* contamination in a freshwater ecosystem of northern Italy

Susanna A. Sechi, Chiara Stocchero, Carolina Allievi, Diego Copetti, Fabrizio Stefani, Lucia Valsecchi, Alessandra Cafiso, Luca Villa, Michele Mortarino, Chiara Bazzocchi, Maria Teresa Manfredi

ALTERNATIVE METHODS FOR PARASITE CONTROL

1. Potentiality of Life Cycle Assessment to Evaluate Environmental Impact of Anthelmintic Use and to Consider Alternative Strategies

Vincenzo Mignano, Grazia Policastro, Antonio Bosco, Laura Rinaldi, Massimiliano Fabbri

2. Light-Based Approach for Sustainable Control of *Aedes albopictus* Infestations

Isabella Mercuri, Chiara Gentile, Cristiana Poggi, Eleonora Perugini, Marta Giovanetti, Marco Pombi

VECTORS AND VECTOR-BORNE DISEASES

1. Thermal variation across life stages shapes invasion success and arbovirus transmission in *Aedes koreicus*

Romina Bahrami, Daniele Da Re, Ayda Khorramnejad, Daniel D. Gingell, Marco Brustolin, Ruth Muller, Claudia Damiani, Mariangela Bonizzoni, Maria V. Mancini

ORAL COMMUNICATIONS: VECTORS AND VECTOR-BORNE DISEASES

Chairpersons: Domenico Otranto (UNIBA), Fabrizio Montarsi (IZSve)

1. Housing Indicators and Indoor *Phlebotomus argentipes* Abundance in India's Visceral Leishmaniasis Programme Context: A Multilevel Analysis Of 50 Villages (2016–22)

Manfredi Greco, Rudra Pratap Singh, Sake J. de Vlas, Michael Coleman, Luc E. Coffeng

2. Pyrethroids effectiveness against *Ae. albopictus* from field to laboratory in a touristic coastal area of Italy

Greta Santarelli, Chiara Virgillito, Eleonora Longo, Elisa Benco, Matteo Vitali, Federica Castellani, Carlo Maria De Marco, Alice Pistilli, Verena Pichler, Andrea Fusari, Pietro Massimiliano Bianco, Alessandra Della Torre, Beniamino Caputo

3. Extracellular Vesicles and miRNAs In *Dirofilaria immitis* and *Dirofilaria repens*: A Stage-Specific Analysis

Simona Gabrielli, Ilaria Bellini, Marco Pombi, Antonio Varcasia, Claudia Tamponi, Francesca Nonnis, Ettore Napoli, Emanuele Brianti, Emanuela Sturiale, Giovanni De Benedetto, Claudia Chiovoloni, Agostina Pietrantoni, Federica Rinaldi, Maria G. Fabiano, Eleonora D'Intino, Luigi Venco, Stefano D'Amelio, Serena Cavallero

4. Comparative cytokine expressions in monocyte-derived macrophages of dog, red fox, and cat experimentally infected with *Leishmania infantum*

Natalizia Palazzo, Viviane Noll Louzada-Flores, Maria Stefania Latrofa, Sara Epis, Ilaria Varotto-Boccazzi, Claudio Bandi, Mariaelisa Carbonara, Marcos Antonio Bezerra-Santos, Jairo Alfonso Mendoza-Roldan, Domenico Otranto

5. Refining identification of *Rhipicephalus* spp. using MALDI-TOF MS protein profiling

Ludovica Ingleto, Maria Sampieri, Aneliza Frederik, Annalisa Grisendi, Graziana Da Rold, Willian Cardoso Ferreira, Laura Dionisi, Alessandra Mistral De Pascali, Darshana Morar-Leather, Luis Neves, Vittorio Sambri, Alessandra Scagliarini, Giulia Maioli

6. MosAICo: an AI-based ecosystem to equip taxonomic vector surveillance with real-time entomological intelligence

Noemi Sarletti, Alberto Tubito, Francesco Severini, Vittorio Dante, Andrea Ciardiello, Francesco Silvestrini, Marco Di Luca, Guido Gigante, Pietro Alano

7. Transcriptomic profiling of male and female sensory tissues in the sand fly *Phlebotomus perniciosus*

Giulia Bevivino, Maria G. Dipaola, Ilaria Bernardini, Claudia Mangiapelo, Gioia Bongiorno, Bruno Arcà, Marco Salvemini, Fabrizio Lombardo

ORAL COMMUNICATIONS: PARASITIC DISEASES IN LIVESTOCK ANIMALS

Room F

Chairpersons: Antonio Bosco (UNINA), Alessia Libera Gazzonis (UNIMI)

1. Effects of gastrointestinal nematodes and their anthelmintic control on productive and reproductive performance of Sarda ewe lambs

Marco Acciaro, Andrea Frongia, Mauro Decandia, Valeria Giovanetti, Lia Cavallo, Carlo Carta, Francesca Nonnis, Claudia Tamponi, Antonio Varcasia, Antonio Scala

2. Practical observations on the application of the Bovilis Cryptium vaccine to control *Cryptosporidium* spp. infection in dairy cattle

Luca Villa, Alessandro Galli, Carolina Allievi, Maria Teresa Manfredi

3. *Neospora caninum* infection in Piedmontese breed beef cattle

Luca Villa, Carolina Allievi, Alessandro Zanon, Federico Fusero, Michele Mortarino, Maria Teresa Manfredi

4. Ecology of gastro-intestinal parasites in sheep and goats from different African agro-ecologies

Rudi Cassini, Waktole Terfa, Anna Caruso, Enrico Dalle Palle, Marta Carminati, Bersissa Kumsa, Lisa Guardone

5. Occurrence of *Cryptosporidium*, *Giardia* and *Eimeria* in cattle farms of Northern and Central Italy

Simone Morelli, Sandra Wiedermann, Donato Traversa, Antonio Frangipane di Regalbono, Barbara Paoletti, Pietro Giorgio Tiscar, Fabrizia Veronesi, Angela Di Cesare, Donatella Damiani, Chiara Astuti, Raffaella Iorio, Elena Borelli, Anja Joachim

6. Updates on bovine besnoitiosis in Italy: epidemiological, molecular and entomological insights from a national research project

Alessia L. Gazzonis, Giulia Morganti, Laura Ciuca, Francesco Buono, Erika Napoli, Elisa Buffa, Valeria Calgaro, Elisa Castaldo, Livia Lucentini, Silvia Sironi, Barbara Moroni, Vincenzo Veneziano

POSTERS PRESENTATIONS: PARASITIC DISEASES IN LIVESTOCK ANIMALS

1. Longitudinal monitoring of endoparasitic infections in a dairy sheep farm in Sardinia

Lia Cavallo, Claudia Tamponi, Pamela Zeinoun, Furqan Arshad, Maria Angela Porcu, Antonello Cannas, Antonio Scala, Antonio Varcasia

2. Molecular investigation of microparasite co-infections in honey bees (*Apis mellifera*) showing neurological-like signs

Michele Mortarino, Rita Rizzi, Luca Villa, Francesca Allemanno

3. Ectopic localization of *Bunostomum phlebotomum* (Railliet, 1900) in the gallbladder of a calf: morphological and molecular characterization of a novel parasitological finding

Filippo Maria Dini, Giulia Maioli, Roberta Galuppi, Perla Tedesco, Patrizia Bassi

4. ELISA detection of anti-*Toxoplasma gondii* antibodies in caprine serum and milk samples: A comparative methodological study

Muhammad Yaser Khan, Alessandra Barlaam, Alessia Libera Gazzonis, Nicola Ferrari, Giovanni Normanno, Lucy Jane Robertson, Annunziata Giangaspero

ORAL COMMUNICATIONS: PARASITES IN FISH AND AQUATIC ANIMALS

Room A

Chairpersons: Perla Tedesco (UNIBO), Marialetizia Palomba (UNITUS)

- 1. First report of *Haplosporidium edule* infection in the olive green cockle (*Cerastoderma glaucum*) from the northern Adriatic Sea: expanding host range and geographic distribution**
Alessia Vetri, Andrea Basso, Tobia Pretto, Giuseppe Arcangeli, Federica Marcer, Vasco Menconi
- 2. Environmental DNA monitoring in a rainbow trout farm hints for a possible involvement of the parasitic protozoon *Ichthyophthirius multifiliis* in outbreaks of the red mark syndrome**
Davide Vecchio, Ylenia Siviglia, Alessandro Allievi, Elisa Fesce, Paolo Losi, Carlo Croci, Leandro Gammuto, Luca Ilahiane, Sophie Melis, Alessandra Cafiso, Nicola Ferrari, Teresa Pirolo, Giulio Petroni, Andrea Gustinelli, Davide Sassera, Valentina Serra, Perla Tedesco, Michele Castelli
- 3. *Philometra filiformis* in *Pagellus erythrinus* in the mediterranean sea: ten years later**
Giovanni De Benedetto, Kristian Riolo, Anna Perdichizzi, Graziano Veccari, Alessia Giannetto, Gabriella Gaglio
- 4. Clinostomidae species in definitive and intermediate hosts from two Ethiopian Lakes**
Federica Marcer, Marshet A. Mitiku, Nebyu Kassa, Perla Tedesco, Erica Marchiori, Cinzia Tessarin, Monica Caffara
- 5. A large-scale study on gastrointestinal helminth community of loggerhead sea turtles *Caretta caretta*: ecological drivers of diversity and insights into environmental changes**
Erica Marchiori, Rudi Cassini, Federica Marcer
- 6. Temperature-dependent gene expression in *Anisakis* spp.: from controlled conditions to natural mixed populations**
Veronica Rodriguez-Fernandez, Marialetizia Palomba, Carla D. Mota de Sousa, Marta Monteiro, Maria João Santos, Simonetta Mattiucci
- 7. Hybridization events between *Anisakis berlandi* and *Anisakis pegreffii* in the sympatric area of the north-west atlantic coast of Argentina**
Simonetta Mattiucci, Marialetizia Palomba, Maria M. Irigoita, Pablo Braicovich, Veronica Rodriguez-Fernandez, Juan T. Timi

POSTER PRESENTATIONS: PARASITIC DISEASES IN LIVESTOCK ANIMALS

- 1. Acuariid nematodes infecting albatrosses in Uruguayan waters (Southwestern Atlantic)**
Alejandra Navratil-Oronoz, Catherine Ferré-Velázquez, Andrés Domingo, Rodrigo Forselledo, Sebastián Jiménez, Gonzalo Crosi, Teresa Armúa
- 2. Occurrence of "soft flesh" induced by *Kudoa* spp. in the Atlantic horse mackerel (*Trachurus trachurus*)**
Selene Rubiola, Felice Panebianco, Paolo Cipriani, Marialetizia Palomba, Luca Ruggiero, Cristina Vono, Laura Garcia Garcia, Lucilla Giulietti
- 3. From Wild Waters to Human Health: a Tailor-Made (TM) project addressing the knowledge gap on zoonotic helminths in freshwater fish (EURO-PAR-FISH)**
Lisa Guardone, Vasco Menconi, Andrea Gustinelli, Christine Müller-Graf, Mélanie Gay, Monica Caffara, Marino Prearo, Paolo Pastorino, Gianluca Marucci, Selene Rubiola, Andrea Armani, Maira Mateusa, Saša Vasilev, Aneta Běčik, Ewa Paździor, Weronika Korpysa-Dzirba, Ewa Bilska-Zajac
- 4. Distribution and genetic diversity of *Grillotia adenoplusia* (Cestoda: Trypanorhyncha) in small deep-dwelling sharks from different areas of Mediterranean Sea**
Marialetizia Palomba, Andrea Marcucci, Renato Aco-Alburqueque, Simone Di Crescenzo, Rita Cannas, Cristina Follesa, Andrea Bellodi, Francesca Spagnuolo, Xavier Roca-Gerones, Mario Santoro, Simonetta Mattiucci
- 5. Persistent saprolegniosis in a salmonid hatchery despite UV water treatment: a field investigation**
Perla Tedesco, Federico Zanella, Lucio Fariano, Mattia Tomasoni, Andrea Gustinelli, Roberta Galuppi

SYMPOSIUM 3 – NEXT-GEN EXPERIMENTAL PLATFORM FOR HOST-PARASITES STUDIES (EN)

Room C

Chairpersons: Marco Lalle (ISS), Ilaria Bellini (UNIROMA1)

- 1. Keynote – Advanced organoid infection models for intestinal protozoa and beyond**
Christian Klotz (Robert Koch Institute)
- 2. Intestinal organoids as innovative *in vitro* model to study the interaction between host and *Leishmania* parasites**
Ilaria Varotto Boccazzi (Department of Biosciences, UNIMI)
- 3. An *in vivo* humanized model to study homing and sequestration of *Plasmodium falciparum* transmission stages in the bone marrow**
Francesco Maria Silvestrini (ISS)
- 4. When *Anisakis* meets the gut: uncovering the molecular interface in human organoids and cellular models**
Ilaria Bellini (Department of Public Health and Infectious Diseases, UNIROMA1)
- 5. *In vitro* model of human and animal giardiasis**
Marco Lalle (Unit of Foodborne and Neglected Parasitic Diseases, Department of Infectious Diseases, ISS)

SYMPOSIUM 4 – VETOQUINOL SYMPOSIUM: INNOVATION IN FELINE ECTO PARASITE PREVENTION AND TREATMENT (IT/EN)

Room D

Chairpersons: Stefania Rotondi (Vetoquinol Italia srl), Nicoletta Rizzi (Vetoquinol Italia srl)

- 1. Epidemiology of Feline Vector-Borne Diseases**
Donato Traversa (Department of Veterinary Medicine, UNITE)
- 2. Emerging zoonoses: the role of cats**
Annapaola Rizzoli (Fondazione Edmund Mach, Research and Innovation Centre, Unit of Applied Ecology)
- 3. Advancing Feline Tick Control: "Felpreva®" – Novel Efficacy Data Against Three Tick Species in Cats**
Blazejak Katrin (Vetoquinol S.A)

SOIPA AWARDS 2: MISCELLANEA ZOOSES AND ONE HEALTH

Room E

Chairpersons: Valentina Mangano (UNIPI), Serena Cavallero (UNIROMA1)

- 1. Avian Sentinels for *Trypanosoma cruzi* in Southern Brazil: A Streamlined Molecular Framework for Wildlife Surveillance**
Gustavo Cardoso Ferreira Klann, [Willian Cardoso Ferreira](#), Bibiana Rodrigues de Freitas, Estefani Rinaldi, Pedro Machado Medeiros de Albuquerque, Alessandra Mistral De Pascali, Rodrigo Casquero Cunha, Nathieli Bianchin Bottari, Vittorio Sambri
- 2. Fasciolosis in Mediterranean Ecosystems: A One Health Overview of Human, Animal, and Snail Data from Italy and Tunisia**
[Ines Hammami](#), Lavinia Ciuca, Maria Paola Maurelli, Antonio Bosco, Paola Vitiello, Laura Rinaldi
- 3. Effect of air fryer cooking on the survival of *Trichinella britovi* larvae in wild boar meat hamburgers**
[Stefano Scarcelli](#), Maria Francesca Peruzzy, Domenico Rufrano, Vincenzo Veneziano, Gianluca Marucci
- 4. Exploring *Blastocystis* sp. in Italian pigs: molecular insights and associations with the gut microbiota**
[Carolina Allievi](#), Jeffrey Tomiak, Luca Villa, Marco Valleri, Lee O'Brien Andersen, Christen Rune Stensvold, Maria Teresa Manfredi
- 5. Waterborne parasite circulation in northern Italy: molecular evidence from surface waters**
[Chiara Stoccherò](#), Susanna Adelaide Sechi, Carolina Allievi, Diego Copetti, Fabrizio Stefani, Lucia Valsecchi, Alessandra Cafiso, Luca Villa, Michele Mortarino, Chiara Bazzocchi, Maria Teresa Manfredi
- 6. Differential miRNA expression patterns associated with cyst fertility in ruminant intermediate hosts naturally infected with cystic echinococcosis**
[Elena Ciccone](#), Paola Pepe, Giovanna Maria Ventola, Giovanna Marchese, Nunzio Antonio Cacciola, Antonio Bosco, Maria Paola Maurelli, Jacopo Guccione, Mariele De Santi, Gaetano Oliva, Laura Rinaldi
- 7. *Bartonella* spp., bats and mites: a preliminary survey in a synanthropic roost of South Tyrol**
[Sara Manzi](#), Luca Tassoni, Giulia Iandiorio, Francesco Gradoni, Martina Micocci, Fabrizio Montarsi, Francesca Festa, Patrizia Danesi, Dino Scaravelli, Stefania Leopardi

ALTERNATIVE METHODS FOR PARASITE CONTROL

1. Anticoccidial efficacy of *Stellaria media* (L.) Vill. (Caryophyllaceae) aqueous extract in naturally infected chickens

Marta Raffaelli, Marinella De Leo, Damer P. Blake, Francesca Olivieri, Ranieri Verin, Giulia Sala, Guido Flamini, Stefania Perrucci

ORAL COMMUNICATIONS: VECTORS AND VECTOR-BORNE DISEASES

Room F

Chairpersons: Ettore Napoli (UNIME), Marika Grillini (UNIPD)

1. Insights into the effectiveness of Incompatible Insect Technique against *Aedes albopictus* using field-calibrated model

Chiara Virgillito, Beniamino Caputo, Piero Poletti, Maurizio Calvitti, Riccardo Moretti, Elena Lampazzi, Sara Sottile, Andrea Pugliese, Mattia Manica

2. G6PD deficiency is associated to *Plasmodium falciparum* transmission from the human host to the *Anopheles* vector

Giulia Bevivino, Alessia Sabatini, Maria G. Dipaola, Paola Serini, Lorenzo Isanti, Eleonora Perugini, Anna Olivieri, Moussa Guelbeogo, Marco Pombi, Bruno Arcà, Fabrizio Lombardo, David Modiano

3. Distance matters: Mathematical modelling of spatial transmission dynamics of Chikungunya virus

Elisa Fesce, Anna Vicco, Ilaria Dorigatti

4. Annual monitoring of questing hard ticks in northern Italy: implications of tick-bite risk for humans and animals in a pre-Alpine area

Alessia L. Gazzonis, Nicola Ferrari, Sergio Zanzani

5. Fingerprinting sand flies: a new MALDI-TOF MS database for Northern Italy

Maria Sampieri, Graziana Da Rold, Annalisa Grisendi, Mara Scremin, Mattia Calzolari, Giulia Maioli, Doris Alexandra Costin

6. A weather-based forecasting tool to predict parasitic risk and VBD transmission

Emanuele Brianti, Yewel V. Sanchez Tinjaca, Federica Bruno, Germano Castelli, Ornella Melideo, Marco Ripamonti, Emanuele Maiorana, Daniele Olivetti

7. Integrating traditional surveillance and citizen science to model *Culex pipiens* distribution in Italy

Eleonora Longo, Margo Blaha, Daniele Da Re, Chiara Virgillito, Elisa Antognini, Daniele Arnoldi, Marialuisa Buonanno, Mattia Calzolari, Cristiano Corona, Claudio De Liberato, Claudio De Martinis, Francesco Defilippo, Maria L. Di Pasquale, Ilaria Dorigatti, Cipriano Foxi, Stefano Gavaudan, Federica Gobbo, Francesco La Russa, Fabrizio Montarsi, Andrea Mosca, Mirko F. Perna, Annapaola Rizzoli, Federico Romiti, Giuseppe Satta, Carlotta Tessarolo, Beniamino Caputo, Roberto Rosà

8. Random or selective? Exploring mosquito blood-feeding behaviour

Lorenzo Rabuffetti, Josué Martínez-de la Puente, Sergio Magallanes, Elisa Fesce, Marta Berrocso, Jordi Figuerola, Santiago Ruiz, Martina Ferraguti

9. Ecological and functional divergence among *Asaia* symbiont strains in an invasive mosquito host

Romina Bahrami, Sofia Di Castri, Daniel D. Gingell, Alessia Cappelli, Claudia Damiani, Maria V. Mancini

DAY 2 – 24 June 2026

14.00-16.00

SYMPOSIUM 5 – ECOLOGY AND CONTROL OF SAND FLIES: CHALLENGES AND PROSPECTS FOR PUBLIC HEALTH (EN)

Room A

Chairpersons: Marcos Antonio Bezerra-Santos (UNIBA), Marco Pombi (UNIROMA1), Jairo Alfonso Mendoza-Roldan (UNIBA)

1. Keynote – Climate and environmental change: effects on sand fly distribution and disease risk

Carla Alexandra Soares Maia (Instituto de Higiene e Medicina Tropical, IHMT, Universidade NOVA de Lisboa)

2. Distribution of phlebotomine sand flies in Italy: current knowledge and future perspectives

Gioia Bongiorno (Istituto Superiore di Sanità, Department of Infectious Diseases, Unit of Vector-Borne Diseases and Emerging Viral Zoonoses)

3. Not only *Phlebotomus perniciosus*: the role of *Phlebotomus perfiliewi* in the epidemiology of leishmaniasis in Italy

Mattia Calzolari (Istituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia-Romagna "B. Ubertini")

4. Innovative tools for sand fly monitoring and surveillance: the emerging role of volatile organic compounds

Marcos Antonio Bezerra-Santos (Department of Veterinary Medicine, UNIBA)

5. Towards sustainable and integrated control of sand flies

Marco Pombi (UNIROMA1)

POSTER PRESENTATIONS: VECTORS AND VECTOR-BORNE DISEASES

- 1. *Babesia banethi* in red foxes: species description, epidemiological data and clinical follow-up of infection**
Mariaelisa Carbonara, Jairo Alfonso Mendoza-Roldan, Jan Šlapeta, Gad Baneth, Antonio Camarda, Domenico Otranto
- 2. High-Throughput Microfluidic PCR for Surveillance of Tick-Borne Pathogens in Ticks**
Emanuela Olivieri, Sara Rigamonti, Nadia Vicari, Claudio M. Lodola, Andrea Grassi, Paola Prati
- 3. Larvicidal Activity of *Calotropis procera*-Mediated Silver Nanoparticles against Two Populations of *Aedes aegypti***
Mohammad Sameer Zubair, Muhammad Farooq Hussain Munis, Irene Ricci
- 4. Isolation of *Leishmania infantum* from a red fox (*Vulpes vulpes*) and xenodiagnosis with *Phlebotomus perniciosus***
Marcos Antonio Bezerra-Santos, Mariaelisa Carbonara, Renata Fagundes-Moreira, Antonio Camarda, Petr Volf, Filipe Dantas-Torres, Domenico Otranto
- 5. Updated checklist and distribution of mosquito species (Diptera: Culicidae) in Apulia and Basilicata (Southern Italy): A Multi-Project Surveillance (2017-2025)**
Francesco Severini, Michela Menegon, Luciano Toma, Donato Antonio Raele, Daniela Boccolini, Maria Grazia Cariglia, Michela Sordillo, Maria Assunta Cafiero, Marco Di Luca
- 6. Vector competence of *Aedes albopictus* for chikungunya virus following *Wolbachia* wMel transinfection**
Francesco Severini, Elisa Mancuso, Marco Di Luca, Giulia Marsili, Luciano Toma, Antonello Amendola, Claudia Fortuna, Giulietta Venturi, Christina Merakou, Elena Lampazzi, Riccardo Moretti, Maurizio Calvitti

SYMPOSIUM 6 – THE NEW ESDA GUIDELINES (EUROPEAN SOCIETY OF DIROFILARIOSIS AND ANGIOSTRONGYLOSIS) (IT) – Sponsored by CEVA

Room C

Chairpersons: Marco Genchi (UNIPR), Lavinia Ciuca (Link Campus University)

- 1. The new ESDA guidelines (European Society of Dirofilariosis and Angiostrongylosis)**
Marco Genchi (Department of Veterinary Sciences, UNIPR), Lavinia Ciuca (Link Campus University), Luigi Venco (Department of Veterinary Sciences, UNITO)
- 2. Efficacy of an integrated ivermectin-based (FILAPREV®) and vector-control (VECTRA® 3D) strategy for preventing canine dirofilariosis in a shelter located in an endemic area**
Lavinia Ciuca (Link Campus University)
- 3. Role of imaging in Dirofilariosis and Angiostrongylosis**
Luigi Venco (Department of Veterinary Sciences, UNITO)
- 4. Feline Heartworm Disease: an ongoing challenge – cases highlighting diagnostic and therapeutic pitfalls**
Antonio Viglietti (Ambulatorio Veterinario Dott. Antonio Viglietti, Carloforte SU)
- 5. Human Dirofilariosis: a rising global health concern**
Simona Gabrielli (Dipartimento di Sanità Pubblica e Malattie Infettive, laboratorio affiliato all'Istituto Pasteur Italia-Fondazione Cenci Bolognetti, UNIROMA1)
- 6. Discussion**

SYMPOSIUM 7 – PARASITOLOGICAL DIAGNOSIS IN ITALY (SoIPa, CoSP-AMCLI) (IT)

Room D

Chairpersons: Luciana Petruccio ("D. Cotugno" Azienda Ospedaliera dei Colli Napoli), Simone Caccio' (ISS)

- 1. Parasitological Diagnostics: Between Technological Innovation, Structural Criticalities, and Strengthening the Territorial Network. The Contribution of CoSP-AMCLI**
Luciana Petruccio (Azienda Ospedaliera dei Colli Napoli – P.O. "D. Cotugno"; CoSP-AMCLI)
- 2. The rise of the European Union Reference Laboratories: EURL-Parasites and EURL-Public Health on Helminths and Protozoa**
Adriano Casulli (ISS)
- 3. The role of the World Health Organization Collaborating Center ITA-116 in the diagnosis of intestinal parasites**
Maria Paola Maurelli (UNINA)
- 4. National diagnostic capacity for *Cryptosporidium* and *Giardia* (European project PROVIDENT)**
Marco Lalle (Unit of Foodborne and Neglected Parasitic Diseases, Department of Infectious Diseases, ISS)
- 5. Parasitological diagnostics at Policlinico Tor Vergata of Rome: *Blastocystis* sp. and *Dientamoeba fragilis* and their effect on gut microbiota**
David Di Cave (Department of Clinical Sciences and Translational Medicine, UNIROMA2)

Chairpersons: Antonio Frangipane di Regalbono (UNIPD), Sara Epis (UNIMI)

ECO-PARASITOLOGY AND WILDLIFE

1. *Dicrocoelium dendriticum* in wild boars (*Sus scrofa*) from southern-central Italy

Flavia Balestra, Stefano Scarcelli, Giovanni Sgroi, Nicola D'Alessio, Fabrizia Veronesi, Stefania Perrucci, Paola Pepe, Valerio Toscano, Alessandro Fioretti, Domenico Rufrano, Vincenzo Veneziano

2. Environmental and host-related drivers of lung and gastrointestinal parasites in wild boar: integrating complementary approaches across Italian ecosystems

Camilla Sangiovanni, Valerio Orazi, Irene Belardi, Leonardo Gallotta, Francesco Ferretti, Sonia Calderola, Patrizia Malaspina, Isabel Guadano-Procesi, Carlotta Fiorilla, David Di Cave, Claudia Chiovoloni, Ilaria Bellini, Silvia Rondón, Serena Cavallero, Stefano D'Amelio, Luca Tonini, Stefano Scarcelli, Francesco Buono, Vincenzo Veneziano, Federica Berrilli

3. Parasite Diversity and Prevalence in Wild Carnivore Assemblages Across Different Italian Ecosystems: Preliminary Findings

Elisabetta Ferraro, Chiara Bidoia, Erica Marchiori, Giulia Simonato, Lorenzo Frangini, Stefano Filacorda, Luca Fardone, Martina Forlani, Marco Musiani, Umberto Valdrè, Francesco Ferretti, Lorenzo Lazzeri, Francesco Rovere, Ilaria Greco, Luca Natucci, Salvatore A. Cafiero, Alessandro Massolo, Paola Beraldo, Rudi Cassini

4. Efficacy of Afoxolaner (NexGard®) against Macronyssidae mites in the critically endangered Aeolian wall lizard (*Podarcis raffonei*)

Alessia Ricci, Jairo Alfonso Mendoza Roldan, Benedetta Gambioli, Katerina Sioumpoura, Antonella Di Palma, Gianpaolo Montinaro, Daniele Macale, Leonardo Vignoli, Frederic Beugnet, Domenico Otranto

PARASITIC DISEASES IN LIVESTOCK ANIMALS

1. Serosurvey on *Sarcocystis* spp. infection in South American Camelids in Italy

Elisa Castaldo, Gastón Moré, Gereon Schares, Francesco Buono, Stefano Scarcelli, Giovanni Sgroi, Farwa Humak, Walter Basso, Vincenzo Veneziano

2. An introgressed galectin-like protein is a candidate driver of the human tropism in the intestinal parasite *Cryptosporidium*

Greta Bellinzona, Swapnil Tichkule, Aaron R. Jex, Cock van Oosterhout, Claudio Bandi, Davide Sassera, Michele Castelli, Simone M. Cacciò

3. Maternal vaccination against *Cryptosporidium parvum* in dairy calves: direct effect or proxy for improved management?

Marta Fozzer, Alice Vismarra, Marco Genchi, D. Damiani, Laura H. Kramer, M. Marmiroli

VECTORS AND VECTOR-BORNE DISEASES

1. Ecological drivers of honey-baited FTA trap performance in mosquito-borne diseases surveillance: a multi-country study

Cristiana Poggi, Eleonora Perugini, Sara Manzi, Luca Nelli, Francesca Romana di Maio, Fernando Lillo, Francesco Baldini, Alanna Chan, Piotr Jawień, Camila Gonzales Rosas, María Carrasquilla, Florigio Lista, Fabrizio Montarsi, Marco Pombi

DAY 2 – 24 June 2026

16.15–19.15

SYMPOSIUM 8 – LEISHMANIASIS: FROM SURVEILLANCE TO HOST-PARASITE INTERACTIONS (SIM - SoIPa) SYMPOSIUM SPC (SVILUPPO PROFESSIONALE CONTINUO PER VETERINARI) (IT/EN)

Room A

THEMATIC SESSION 1 – HUMAN LEISHMANIASIS:

SURVEILLANCE AND MOLECULAR DIVERSITY IN A ONE HEALTH FRAMEWORK

Chairpersons: Stefania Varani (UNIBO), Luciano Attard (IRCCS-AOUBO), Gianluca Rugna (IZSLER)

1. Keynote - Epidemiology of human leishmaniasis from a One Health perspective: lessons learned from the Madrid outbreak

Eugenia Carrillo Gallego (WHO Collaborating Centre for Leishmaniasis, National Centre for Microbiology, Instituto de Salud Carlos III, Madrid, Spain)

2. Updates on epidemiology of human leishmaniasis in Italy

Trentina Di Muccio (Department of Infectious Diseases, ISS)

3. Molecular epidemiology of human leishmaniasis in Italy

Germano Castelli (National Reference Center for Leishmaniasis, IZS Sicilia)

4. Tools for rapid epidemiological surveillance of leishmaniasis: the role of high-resolution melting (HRM)-PCR assays

Luca Galluzzi (Department of Biomolecular Sciences, UNIURB)

THEMATIC SESSION 2 – LEISHMANIA PARASITES:

SCIENTIFIC CHALLENGES AND NEW PERSPECTIVES ON HOST-PARASITE INTERACTION

Chairpersons: Sara Epis (UNIMI), Gioia Bongiorno (ISS)

1. Keynote – Canine leishmaniasis: an infection caused by various *Leishmania* species

Gaetano Oliva (Department of Veterinary Medicine and Animal Production, UNINA)

2. Understanding *Leishmania* spp. epidemiology through the vector-vertebrate host interaction

Gioia Bongiorno (Department of Infectious Diseases, Unit of Vector-Borne Diseases and Emerging Viral Zoonoses, ISS), Valentina Foglia Manzillo (Department of Veterinary Medicine and Animal Production, UNINA)

3. From vaccines to diagnostics: the multifaceted potential of *Leishmania tarentolae*

Sara Epis, Ilaria Varotto-Boccalchi (Department of Bioscience, UNIMI)

4. *In vivo* and *in vitro* evaluation of anti-*Leishmania* drug resistance in dogs from Emilia Romagna Region

Francesco Dondi (Department of Veterinary Medical Sciences, UNIBO)

5. New perspectives on the control of canine leishmaniasis (CanL): Co-infection with *Leishmania tarentolae* and *Leishmania infantum* in the canine model

Jairo Mendoza-Roldan (Department of Veterinary Medicine, UNIBA)

ORAL COMMUNICATIONS: DIAGNOSTIC, PHYLOGENY AND GENOMICS

Room C

Chairpersons: Maria Paola Maurelli (UNINA), Chiara Bazzocchi (UNIMI)

1. MALDI-TOF MS-Based Identification of *Dirofilaria immitis*, *Dirofilaria repens* and *Acanthocheilonema reconditum* Microfilariae

Ettore Napoli, Chiara Taranto, Simona Gabrielli, Andrea Baldaccini, Patric Leo, Serena Cavallero, Marco Pombi, Antonio Varcasia, Francesca Nonnis, Claudia Tamponi, Giovanni De Benedetto, Emanuela Sturiale, Filippo Fraggetta, Emanuele Brianti

2. Development of a qPCR assays for egg identification of *Aedes* invasive mosquitoes

Tamara Garziera, Federica Toniolo, Emmanuele Brusatin, Sara Manzi, Giulia Chiarello, Giulia Iandiorio, Francesco Gradoni, Fabrizio Montarsi, Mattia Calzolari, Federica Gobbo

3. Distinct introduction dynamics and regional spread of West Nile virus lineages 1 and 2 in north-eastern Italy (2022 - 2024)

Luca Tassoni, Angela Salomoni, Federica Toniolo, Tamara Garziera, Sofia Sgubin, Edoardo Giussani, Alessia Schivo, Emanuela Dal Molin, Fabrizio Montarsi, Luisa Barzon, Federica Gobbo, Isabella Monne, Alice Fusaro

4. A novel multi-locus sequence typing scheme for outbreak and population analysis of *Giardia duodenalis* assemblage B

Christian Klotz, Katja Winter, Stephan Fuchs, Anna Rosa Sannella, Toni Aebischer, Simone M. Cacciò

5. AI in veterinary parasitology: a supporting tool or a threat to traditional skills?

Giulio Grandi, Johan Höglund, Najmeh Abiri

6. Diagnostic value of digital PCR (dPCR) in the diagnosis of *Leishmania infantum* from canine chronic dermatitis

Fabrizia Veronesi, Leonardo Brustenga, Chiara Brachelente, Ilaria Porcellato, Stefano Gavaudan, Cristina Canonico, Stefano Capomaccio, Giulia Morganti

7. Integrating adaptive nanopore sequencing into wildlife surveillance reveals multi-pathogen detection potential for vector-borne diseases

Amir Reza Varzandi, Stefania Zanet, Anna Trisciuglio, Matilde Rosso, Blanka Orłowska, Katarzyna Matusik, Daniel Klich, Wanda Olech, Marta Kloch, Marcin Świątek, Krzysztof Anusz, Ezio Ferroglio, Anna Didkowska

8. *Trichuris suis* and *Hyostromylus/Oesophagostomum* in pigs: effects of different faecal sample processing practices on egg counts

Alessia L. Gazzonis, Antonio Boccardo, Nicola Ferrari, Sergio Zanzani

POSTER PRESENTATIONS: DIAGNOSTIC, PHYLOGENY AND GENOMICS

- 1. Identification of Novel Stage-Specific *Trichinella* spp. Antigens to Enhance the Sensitivity of Existing Serological Tools**
Irene Tartarelli, Chiara Currà, Alessandra Ludovisi, Elisabetta Pizzi, Daniele Tonanzi, Francesco Celani, Adriano Casulli
- 2. Identification and recovery of taeniid eggs from wolf faeces by centrifugal flotation using ZnCl₂ and ZnSO₄ solutions**
Annette Habluetzel, Alessandro Potenza, Sara Marini, Marco Bonanni, Federica Santolamazza, Francesco Celani
- 3. Population structure and zoonotic potential of *Cryptosporidium parvum* in Italy inferred using a multi-locus sequence typing scheme**
Francesco Celani, Marianna Ascierio, Antonio Di Grazia, Simone M. Cacciò
- 4. Unraveling Polymicrobial Enteric Infections: Clinical Correlation of Molecular Syndromic Testing in a *Salmonella typhi* and *Giardia* Co-infection**
Martina Proietti, Gianluca Bruno Tassone, Daniele Emanuele Compagnino, Federica Dominelli, Eleonora Coratti, Fabio Mengoni, Federica Sacco, Agnese Viscido, Ombretta Turriziani, Fabio Midulla, Guido Antonelli
- 5. Whole-genome sequencing and phylogenetic analysis of Toscana virus strains collected in Northern Italy, in 2025**
Luca Tassoni, Lidia I. Danca, Federica Toniolo, Tamara Garziera, Emanuela Dal Molin, Annalisa Salviato, Edoardo Giussani, Fabrizio Montarsi, Luisa Barzon, Alice Fusaro, Isabella Monne, Federica Gobbo
- 6. Further updates on ascariasis in sport horses in Italy**
Pamela Zeinoun, Antonio Varcasia, Lia Cavallo, Francesca Nonnis, Carlo Carta, Muhammad Furqan Arshad, Alessandra Mollica, Claudia Tamponi, Antonio Scala
- 7. Neurocognitive and psychiatric outcomes of parasitic infections in humans**
Mauro Scala, Barbara Martin-Maldonado, Laura Rico-San Román, Pamela Zeinoun, Muhammad Furqan Arshad, Alessandro Serretti, Patrocínio Morrondo, Giuseppe Fanelli, Antonio Scala

POSTER PRESENTATION: PARASITIC DISEASES IN LIVESTOCK ANIMALS

- 1. Assessment of *Oestrus ovis* antibodies by indirect ELISA in milk samples from Sarda dairy sheep**
Antonio Scala, Lia Cavallo, Claudia Tamponi, Pamela Zeinoun, Muhammad Furqan Arshad, Francesca Nonnis, Antonio Varcasia, Gianpaolo Epifani, David Garcia-Dios, Rosario Panadero

ORAL COMMUNICATIONS: ECO-PARASITOLOGY AND WILDLIFE

Room D

Chairpersons: Stefania Zanet (UNITO), Rudi Cassini (UNIPD)

- 1. Sarcoptic mange in wild canids in Northwestern Italy: spatio-temporal trends of last five years (2020–2025)**
Barbara Moroni, Alessia Di Blasio, Elena Biasibetti, Elena Bozzetta, Luca Rossi, Serena Robetto, Riccardo Orusa, Nicola Ferrari, Simona Zoppi, Aitor Garcia-Vozmediano
- 2. Ecoepidemiological study and molecular characterization of the lungworms of the genus *Metastrongylus* in wild boars from Italy**
Stefano D'Amelio, Claudia Chiovoloni, Sveva Fortuna, Silvia Rondón, Ilaria Bellini, Serena Cavallero
- 3. Emerging Parasites in an Expanding Host: Cardiopulmonary Nematodes in the Golden Jackal (*Canis aureus*) in Northeastern Italy**
Elisabetta Ferraro, Lorenzo Frangini, Erica Marchiori, Giulia Simonato, Rudi Cassini, Stefano Pesaro, Stefano Filacorda, Paola Beraldo
- 4. *Thelazia callipaeda* and *Dirofilaria immitis* in wild canids from Piedmont, Italy**
Patricia P. Perin, Sara Piccato, Stefania Zanet, Ezio Ferroglio
- 5. One Health implications of the golden jackal (*Canis aureus*) expansion: mapping intestinal parasites in Northeast Italy**
Paola Beraldo, Elisabetta Ferraro, Daniele Fabbri, Stefano Pesaro, Luca Dorigo, Marco Bregoli, Alessandro Massolo, Lorenzo Bernicchi, Virginia Barca, Giulia Simonato, Rudi Cassini, Erica Marchiori
- 6. Evaluation of Esafloxolaner as a topical acaricide to control tick infestation in the Italian hare (*Lepus corsicanus*)**
Ettore Napoli, Giovanni Sgroi, Egidio Mallia, Carlos Martínez-Carrasco, Sergio Migliore, Emanuele Brianti
- 7. *Toxoplasma gondii* and *Neospora caninum* investigation in wild carnivores from Brazil**
Ana Luíza Franco, Patricia Parreira Perin, Thaluya Ferreira Carvalho, Fernanda Lefort, Jéssica Samara Reis, Lívia de Oliveira Andrade, Micaela Honorato Manço, Ezio Ferroglio, Stefania Zanet, Estevam G. Lux Hoppe

POSTER PRESENTATIONS: ECO-PARASITOLOGY AND WILDLIFE

- 1. Histopathological lesions associated with *Hepatozoon martis* in *Martes foina* and *Hepatozoon* sp. in *Glis glis***
Filippo M. Dini, Luisa V. Muscatello, Patrizia Bassi, Roberta Galuppi, Giulia Maioli
- 2. Parasitological survey in the Apennine chamois (*Rupicapra pyrenaica ornata*) from Abruzzo, Lazio and Molise National Park (PNALM)**
Barbara Paoletti, Roberto Bartolini, Vincenza Di Pirro, Donato Traversa, Noemi Dello Iacono, Leonardo Gentile
- 3. *Hystrichis* spp. proventricular nematodes in invasive African sacred ibis (*Threskiornis aethiopicus*) in Central Italy and associated pathological findings**
Alessia Mariacher, Francesco Mariottini, Amaranta Biancheri Mantovani, Matteo Senese, Michela Maestrini, Lucia Palmerini, Lorenzo Zarroni, Chiara Acri, Claudio De Liberato, Claudia Eleni, Marta Raffaelli, Lisa Guardone, Stefania Perrucci
- 4. First report of *Trichodectes melis* in Italy and southeastern Spain: new insights into the distribution of the Eurasian badger chewing louse**
Barbara Moroni, Ettore Napoli, Giovanni Sgroi, Gabriella Gaglio, Antonio Sánchez-Baca, Maria E. Navarro, Fernando Escribano, Rocío Ruiz de Ybáñez, Serena Robetto, Simona Zoppi, Carlos Martínez-Carrasco
- 5. Parasitological monitoring of captive animals: Insights from two recovery centers in central Italy**
Silvia Rondón, Ilaria Bellini, Lara Elena Deaiana, Claudia Chiovoloni, Isabel Guadano-Procesi, Federica Berrilli, Claudia Irais Muñoz García, Giampiero Tirone, Claudia Lucrezia Longo, Simona Gabrielli, Stefano D'Amelio, Serena Cavallero

ORAL COMMUNICATIONS: ZONOSSES AND ONE HEALTH

Room E

Chairpersons: Selene Rubiola (UNITO), Lisa Guardone (UNIFI)

- 1. Dogs involved in animal assisted interventions: occurrence of parasites with zoonotic potential and risk factors related to daily management**
Elisabetta Ferraro, Marika Grillini, Daniela Pasotto, Carlotta Valente, Patrizia Danesi, Barbara Contiero, Federica Marcer, Giulia Simonato
- 2. Food safety and ready-to-eat salads: removal of *Cryptosporidium parvum* by domestic washing methods, combining consumer behaviour analysis and experimental approaches**
Alessandra Barlaam, Antonella Cammarelle, Ilenia Tavano, Nicola Toscanelli, Giovanni Giuseppe Normanno, Rosaria Viscecchia, Lucy Jane Robertson, Biagia De Devitis, Annunziata Giangaspero
- 3. Uncovering *Cryptosporidium* spp. and *Giardia duodenalis* in household cats: a molecular survey from Southern Italy**
Alessandra Barlaam, Paola Pepe, Daniela Anna Pia Buondioli, Francesca Miano, Giovanni Giuseppe Normanno, Laura Rinaldi, Annunziata Giangaspero
- 4. First Regional EG95 Vaccination Programme Against Cystic Echinococcosis in Europe: Impact on Cystic Echinococcosis in Livestock, Dogs and Humans**
Antonio Bosco, Elena Ciccone, Mirella Santaniello, Emanuele Bambacaro, Emanuele Bove, Antonio Leone, Nicola Lattero, Francescantonio D'Orilia, Marco Esposito, Laura Rinaldi
- 5. Detection of *Enterocytozoon bieneusi* and *Blastocystis* sp. in pigs and drinking water: evidence from intensive farms in Northern Italy**
Alessandra Cafiso, Carolina Allievi, Chiara Stocchero, Susanna Adelaide Sechi, Michele Mortarino, Luca Villa, Chiara Bazzocchi, Maria Teresa Manfredi
- 6. Investigation of an outbreak of bovine cysticercosis: an integrated farm-to-slaughterhouse approach**
Eduardo Buffa, Francesco Chiesa, Sarah Gabriel, Stefano Barisone, Nicole Ferrua, Stefano Ramoino, Selene Rubiola
- 7. Learning to prevent: a One Health edutainment strategy to reduce zoonotic risk in Mediterranean endemic areas**
Lia Cavallo, Gabriella Gaglio, Pamela Zeinoun, Silvia Carta, Iole De Luca, Giovanni De Benedetto, Francesca Nonnis, Muhammad Furqan Arshad, Claudia Tamponi, Antonio Scala, Emanuele Brianti, Antonio Varcasia
- 8. Clinical and Parasitological Expression of Canine Leishmaniasis across Sub-humid and Arid Regions of Tunisia**
Lilia Zribi, Maria Paola Maurelli, Mariele De Santi, Valentina Foglia Manzillo, Gaetano Oliva, Fida Maatalah, Aïda Bouratbine, Karim Aoun, Fabrizio Vitale
- 9. Tsetse eradication and livestock productivity: a successful strategy from the Niayes Region**
Malick Sene

POSTER PRESENTATIONS: ZONOSSES AND ONE HEALTH

1. Comparative pathogenesis of *Giardia duodenalis* assemblages A/E and GLV+ isolates in porcine IPEC-J2 intestinal cell line

Serena Cecchetti, Natalya Chervyakova, Giovanna Nunziata, Margherita Rizzello, Mery Giantin, Marco Lalle

2. Seroprevalence in Sicily and Hospitalization Records in Italy: preliminary mapping of Anisakiasis trends at local and national level

Serena Cavallero, Ilaria Bellini, Simona Gabrielli, Ettore Napoli, Gabriella Gaglio, Stefano D'Amelio

POSTER PRESENTATIONS: VECTORS AND VECTOR-BORNE DISEASES

1. Molecular detection of *Babesia/Theileria* spp. in ticks collected from migratory birds at the Faunistic Observatory of the Asinara Island, Sardinia, Italy

Cipriano Foxi, Laura Giua, Giovanna Chessa, Valentina Severini, Antonio Tanda, Angela Peruzzu, Giovanna Masala, Valentina Chisu

2. *Hemolivia mauritanica* infection in a Greek tortoise (*Testudo graeca*) from Northeastern Italy – Case report

Erica Marchiori, Federico Martignago, Christian Falcaro, Massimo Nicolussi, Federica Marcer, Margherita Soncin

3. Effect of quiescence in *Ae. koreicus* fitness and physiology

Ayda Khorramnejad, Gianmarco Rotondi, Alessia Cappelli, Maria Vittoria Mancini, Claudia Damiani

SYMPOSIUM 9 – INTERDISCIPLINARY DISCUSSION ON THE MANAGEMENT OF PARASITIC AND INFECTIOUS DISEASES IN DOGS AND CATS (IT/EN) – Sponsored by Boehringer Ingelheim

Room A

Chairpersons: Ettore Napoli (UNIME), Fabrizia Veronesi (UNIPG)

1. Parasitic and infectious diseases in dogs and cats: clinical implications

Stefano Bo, (Ambulatorio Veterinario Ass. Bo-Ferro, Torino) Luigi Venco (Department of Veterinary Sciences, UNITO)

2. How parasitic and infectious diseases of dogs and cats are changing: emergence and re-emergence

Domenico Otranto, Nicola Decaro (Department of Veterinary Medicine, UNIBA)

3. Diagnostic, Therapeutic, and Prophylactic Rationale: A Comparative Analysis of Infectious Disease and Parasitological Approaches

Ezio Ferroglio (Department of Veterinary Sciences, UNITO), Paola Dall'Ara (Department of Veterinary Medicine and Animal Sciences, UNIMI)

4. Antibiotic or antiparasitic: which one resists more?

Silvia Piva (Department of Veterinary Medical Sciences, UNIBO), Fred Beugnet (Boehringer Ingelheim Animal Health)

SYMPOSIUM 10 – COMPARATIVE CLINICAL MYCOLOGY: DIALOGUES BETWEEN PHYSICIAN AND VETERINARIANS ON FUNGAL ZONOSSES AND NEW THERAPEUTIC FRONTIERS (IT)

Room C

Chairpersons: Terenzio Cosio (UNICATT), Mara Miglianti (UNIBA)

1. *Candidozyma auris* beyond humans

Edward Willison (University of Genoa, Department of Surgical Sciences and Integrated Diagnostics (DISC); IRCCS Azienda Ospedaliera Metropolitana), Andrea Grassi (Experimental Zooprophyllactic Institute of Lombardy and Emilia-Romagna (IZSLER), Pavia Territorial Section)

2. Dermatophytes at the Human–Animal Interface: Diagnosis and Integrated Management

Terenzio Cosio (UNICATT), Mara Miglianti (Department of Veterinary Medicine, UNIBA)

3. Iatrogenic fungal infections: when treatment opens the door to fungi

Paola Orlandini (San Marco Veterinary Clinic and Laboratory), Fabio Artosi (UNIROMA2)

4. Emerging filamentous fungi: new species, new challenges

Talita Bordoni (Department of Veterinary Medical Sciences, UNIBO), Fabio Buffoli (UOC Microbiologia, Ospedale San Bortolo, Azienda ULSS 8 Berica)

SYMPOSIUM 11 – TICKS INSIDE OUT (EN)

Room D

Chairpersons: Vincenzo Veneziano (UNINA), Rudi Cassini (UNIPD)

1. Keynote – The Journey into the Ecology and Distribution of the Genus *Amblyomma* in southern Africa

Luis Neves (Centro de Biotecnologia Universidade Eduardo Mondlane, University of Pretoria)

2. Keynote – The social perception of ticks and tick-borne diseases in Belluno (Italy) and Gorenjska (Slovenia): views from anthropology

Deborah Nadal (Ca' Foscari University of Venice)

3. Bridging animal ecology and pathogens ecology: toward integrated monitoring of wildlife, ticks, and tick-borne pathogens through camera traps

Stefania Zanet (Department of Veterinary Sciences, UNITO)

4. Exploring the microbiomes of ticks to infer vector competence

Rua Khogali (ICIPE, Nairobi, Kenya)

5. Genomic and functional insight on *Borrelia burgdorferi sensu lato*

Greta Bellinzona (Department of Biology e Biotechnology, UNIPV)

Chairpersons: Fulvio Esposito (UNICAM), Valentina Mangano (UNIFI)

NEGLECTED PARASITIC DISEASES

- 1. High-efficacy anthelmintics for *Trichuris trichiura*: comparative modelling of the impact of the novel agent emodepside versus albendazole**
Manfredi Greco, Jennifer Keiser, Sake J. de Vlas, Luc E. Coffeng
- 2. An optimized *in vitro* workflow to study host-pathogen crosstalk in *Strongyloides stercoralis* clinical isolates**
Nicole Padovani, Natalia Tiberti, Michela Deiana, Elisabetta Vezzelli, Chiara Piubelli, Federico Gobbi, Dora Buonfrate
- 3. The European Distribution of *Echinococcus multilocularis* in Animals: A Systematic Review and Meta-analysis Updating the State of the Art**
Salvatore A. Cafiero, Luca Colla, Adriano Casulli, Alessandro Massolo
- 4. Sex-related differences in human macrophages immune response to *Leishmania infantum* infection**
Federica Perego, Gaia Mazza, Silvia Ghezzi, Abirla Murugan, Elisa Vicenzi, Silvia Parapini, Sarah D'Alessandro, Guido Poli, Nicoletta Basilico

DIAGNOSTIC, PHYLOGENY AND GENOMICS

- 1. Fast-track *Borrelia* genomics: complete genomes from ticks within one week**
Sophie Melis, Cristina Cezara Bunduc, Laura Mottarlini, Michela Vumbaca, Irene Mileto, Sabrina Hepner, Gabriele Margos, Volker Fingerle, Andreas Sing, Paola Prati, Claudio Bandi, Stefano Gaiarsa, Fausto Baldanti, Greta Bellinzona, Davide Sasserà
- 2. Continental-scale phylogeography of *Dermacentor marginatus* and *Dermacentor reticulatus*: a mitochondrial DNA approach**
Alessandro Nota, Davide Sasserà, Marcin Churski, Carla Andreea Culda, Alessandro Forti, Ferran Jori, Sophie Melis, Levan Ninua, Anna Olivieri, Ana M. Palomar, Ilaria Pastori, Jan Perner, Filipa Peste, Olivier Plantard, Zarja Platovšek, Kamila Plis, Andrea Rezić, Rita Torres, Maria Sophia Unterköfler, Izabela Wierzbowska, Stefania Zanet, Ezio Ferroglio

VECTORS AND VECTOR-BORNE DISEASES

- 1. Identification of sand fly blood meal hosts using PCR-free nanopore sequencing**
Patricia P. Perin, Giacomo Garelli, Amir Reza Varzandi, Stefania Zanet, Ezio Ferroglio
- 2. Harnessing sand fly microbiota for sustainable pathogen control: evidence from *Asaia* spp. Dynamics**
Claudia Mangiapelo, Roberto La Valle, Eleonora Fiorentino, Giulia Marsili, Elisa Mancuso, Ilaria Varotto-Boccazzi, Ilaria Bernardini, Riccardo Bianchi, Claudia Fortuna, Giulietta Venturi, Trentina Di Muccio, Sara Epis, Gioia Bongiorno

DAY 3 – 25 June 2026

11.00–12.30

SYMPOSIUM 12 – GLOBAL PARASITOLOGY: GENDER PERSPECTIVES AND INCLUSIVE INTERNATIONAL COOPERATION (WIP2.0) (IT/EN)

Room A

Chairpersons: Serena Cavallero e Simona Gabrielli (UNIROMA1), Alessia Libera Gazzonis (UNIMI)

- 1. Keynote – One Health cooperation projects on parasitic diseases in Emberá indigenous communities (Colombia): from epidemiology to community empowerment (2024–2027)**
Simona Gabrielli (Department of Public Health and Infectious Diseases, UNIROMA1), Camila Gonzales (Department of Biological Sciences, Universidad de los Andes), Antonio Varcasia (Department of Veterinary Medicine, UNISS)
- 2. Addressing parasitic diseases through Veterinary Cooperation: field experiences from Veterinari Senza Frontiere Italia**
Lisa Guardone (Department of Veterinary Sciences, UNIFI, Veterinari Senza Frontiere Italia (VSFI))
- 3. Beyond the Binary: Gender, Leadership, and the EDI Evolution in the WAAVP**
Nichola Calvani (The University of Sydney), Cinzia Cantacessi (Cambridge University)
- 4. Maternal infection and adverse perinatal outcomes: impact on women's and children's health in a rural tropical community in Thailand**
Silvia Trapani (UNIROMA1)

SYMPOSIUM 13 – ENVIRONMENTAL DNA (eDNA): A NEW FRONTIER FOR ASSESSING AND MONITORING THE BIODIVERSITY OF PARASITES AND VECTORS? WHERE ARE WE NOW? (EN)

Room C

Chairpersons: Simonetta Mattiucci (UNIROMA1), Marialetizia Palomba (UNITUS)

- 1. Environmental DNA (eDNA): A new frontier for assessing and monitoring the biodiversity of parasites and vectors? Where are we now?**
Kamil Hupało (University of Duisburg–Essen)
- 2. Environmental DNA Approaches to Parasite, Host, and Vector Monitoring**
Amir Reza Varzandi (Department of Veterinary Sciences, UNITO)
- 3. Multiplex eDNA real-time PCR for detecting sibling species of the *Contracaecum rudolphii* s.l. complex in European aquatic ecosystems: a tool for parasite monitoring**
Marialetizia Palomba (Department of Ecological and Biological Sciences, UNITUS)
- 4. Towards an Integrated eDNA Approach for Monitoring Snail-Borne Infections by liver flukes**
Lavinia Ciuca (Link Campus University)

SYMPOSIUM 14 – BOEHRINGER INGELHEIM SYMPOSIUM – NEW EPIDEMIOLOGICAL DATA: AN OVERVIEW OF THE MAIN PARASITIC DISEASES OF DOGS AND CATS IN ITALY (IT)

Room D

Chairpersons: Alessia Pede, Luca Massetti (Boehringer Ingelheim Animal Health Italia)

- 1. Dog infections with respiratory and intestinal parasites in Italy**
Donato Traversa (Department of Veterinary Medicine, UNITE)
- 2. A national multicenter study of canine fecal contamination in public green areas: seasonal and environmental factors influencing exposure to zoonotic parasites in Italy**
Laura H. Kramer (Department of Veterinary Science, Parasitology Unit, UNIPR)
- 3. Feline heartworm disease in endemic settings: an integrated diagnostic approach**
Antonio Varcasia (Department of Veterinary Medicine, UNISS)

SOIPA AWARDS 5: VECTORS AND VECTOR-BORNE DISEASES

Room E

Chairpersons: Sara Epis (UNIMI), Valentina Mangano (UNIPI)

- 1. Tick distribution along altitudinal gradients in the western Italian Alps: insights from field data and environmental modelling**
Illaria Pastori, Stefania Zanet, Ezio Ferroglio
- 2. A prevalence study of canine vector-borne pathogens on Pantelleria island**
Caterina E. Culoma, Gianmarco Ferrara, Simona Gabrielli, Gabriella Gaglio, Emanuela Sturiale, Santina Di Bella, Sergio Migliore, Annalisa Guercio, Giovanni De Benedetto, Emanuele Brianti, Ettore Napoli
- 3. Identification of *Ixodes ricinus* microRNAs and their potential circulation in the host**
Alessandro Zanon, Chiara Stocchero, Carolina Allievi, Erika Donato, Susanna Adelaide Sechi, Tiago Nardi, Alessandra Cafiso, Davide Sasseria, Claudio Bandi, Chiara Bazzocchi
- 4. Update on the presence and distribution of invasive mosquitoes in Italy**
Martina Micocci, Francesco Gradoni, Agata Negri, Laura Soresinetti, Giovanni Naro, Daniele Arnoldi, Cristiano Corona, Elena Berrone, Carlotta Tassarolo, Annalisa Accorsi, Valeria Listorti, Sofia Sgubin, Sara Manzi, Patrizia Visentin, Davide Bonetto, Simone Martini, Annapaola Rizzoli, Andrea Mosca, Annalisa Grisendi, Mattia Calzolari, Francesco Defilippo, Filippo Cassina, Federica Gobbo, Paolo Gabrieli, Sara Epis, Fabrizio Montarsi
- 5. A multiplex digital PCR assay for highly sensitive detection of *Babesia canis*, *Babesia vogeli* and *Babesia gibsoni***
Maria O. Montella, Lavinia Ciuca, Bruno Vinicios Silva de Araújo, Laura Rinaldi, Maria Paola Maurelli
- 6. Hidden Parasites: Exploring the Diversity of Tick-Borne Protozoa in Wild Carnivores from North-Western Italy**
Emily Sel, Barbara Moroni, Serena Robetto, Livia De Paolis, Valeria Listorti, Lisa Guardone

SYMPOSIUM 15 – ANIMALS AND PATHOGENIC FUNGI: A HIDDEN RESERVOIR AMONG US? (IT)

Room A

Chairpersons: Andrea Peano (UNITO), Giorgia Matteucci, (AbLab Sarzana)

- 1. Hidden reservoirs of pathogenic fungi in companion animals**
Patrizia Danesi (Istituto Zooprofilattico Sperimentale delle Venezie)
- 2. Hidden reservoirs of pathogenic fungi: non-traditional companion animals**
Giorgia Matteucci (AbLab srls Veterinary Diagnostic Laboratory)
- 3. Hidden reservoirs of pathogenic fungi: wildlife**
Andrea Peano (Department of Veterinary Sciences, UNITO)
- 4. Genetic approaches for studying inter-host transmission dynamics of pathogenic *Candida* species**
Orazio Romeo (Department of Chemical, Biological, Pharmaceutical and Environmental Sciences – UNIME)

SYMPOSIUM 16 – ONE HEALTH INSIGHTS: ZOOTIC BLASTOCYSTIS AND MICROSPORIDIA ACROSS SPECIES (IT)

Room C

Chairpersons: Stefania Perrucci (UNIPI), Federica Berrilli (UNIROMA2), David Di Cave (UNIROMA2)

- 1. *Blastocystis* spp. and microsporidia zoonotic genotypes in humans**
Isabel Guadano Procesi (Department of Clinical Sciences and Translational Medicine, Tor Vergata University of Rome)
- 2. *Blastocystis* spp. and microsporidia (*Encephalitozoon* spp./*Enterocytozoon* spp.) zoonotic genotypes in canids**
Barbara Moroni (Istituto Zooprofilattico Sperimentale del Piemonte, Torino), Alessia Libera Gazzonis (Department of Veterinary Medicine and Animal Sciences, UNIMI)
- 3. Microsporidia (*Enterocytozoon* spp.) zoonotic genotypes in cattle**
Filippo Maria Dini (Department of Veterinary Medical Sciences, UNIBO)
- 4. Occurrence of *Blastocystis* sp. and microsporidia in farmed birds in Tuscany**
Marta Raffaelli (Department of Veterinary Sciences, UNIPI)
- 5. *Blastocystis* spp. in marine organisms**
Simonetta Mattiucci (Department of Wellbeing, Health and Environmental Sustainability and Azienda Ospedaliero-Universitaria Policlinico Umberto I, UNIROMA1)

SOIPA AWARDS 6: VECTORS AND VECTOR-BORNE DISEASES

Room D

Chairpersons: Fulvio Esposito (UNICAM), Antonio Frangipane Di Regalbano (UNIPD)

- 1. Effect of air pollution on the accumulation of toxic elements and survival of *Aedes albopictus* females in an urban site**
Ilaria Montaina, Antonio De Falco, Stefano Listrani, Greta Santarelli, Chiara Virgillito, Lorenzo Massimi, Emanuele Vaccarella, Andrea Pastore, Caterina Tiraboschi, Silvia Canepari, Beniamino Caputo, Daniele Porretta, Alessandra Della Torre
- 2. *Phlebotomus perniciosus* olfactory response to Volatile Organic Compounds in *Leishmania infantum* infected and non-infected foxes (*Vulpes vulpes*)**
João Victor Costa Guesser, Marcos Antonio Bezerra-Santos, Onofrio Marco Pistillo, Alessia Ricci, Giacinto Salvatore Germinara, Petr Volf, Domenico Otranto
- 3. Antigen-blocking phenomenon in dogs affected by *Dirofilaria immitis*: Frequency, reversion, co-infections and associated cytokine patterns**
Emanuela Sturiale, Ettore Napoli, Giovanni De Benedetto, Francesca Nonnis, Antonio Varcasia, Federica Arrigo, Giulia Sisia, Francesca Arfuso, Gabriella Gaglio, Emanuele Brianti
- 4. Eco-epidemiology and Niche Modelling of Canine Leishmaniosis vectors in the Lower Mediterranean Basin**
Yewel V. Sanchez Tinjaca, Emanuele Brianti, Simona Gabrielli, Marco Pombi, Camilla González Rosas, Eugenia Oliveri, Maria L. Di Pasquale
- 5. The VECTRACK system for automatic real-time mosquito counting and identification: accuracy assessment and first characterization of the circadian rhythms of main arbovirus vectors in Italy**
Chiara Gentile, Mattia Manica, Martina Micocci, Mattia Foti, Ilaria Bernardini, Laura Soresinetti, Marianna Varone, Paola Di Lillo, Cipriano Foxi, Matteo De Ascentis, Silvio Gerardo d'Alessio, Annalisa Grisendi, Sara Villari, Francesco Gradoni, Piero Poletti, Beniamino Caputo, Francesco Severini, Sara Epis, Marco Salvemini, Fabrizio Montarsi, Alessandra della Torre

ECO-PARASITOLOGY AND WILDLIFE

1. Host–parasite interactions under environmental stress: behavioural consequences

Marta Favero, Marialetizia Palomba, Gianpasquale Chiatante, Bruno Mattia Bizzarri, Giovanni Polverino, Daniele Canestrelli

2. Survey of gastrointestinal parasites in wild carnivore faecal samples from Casentino National Park

Lorenzo Filicetti, Salvatore Andrea Cafiero, Sonja Dumendiak, Elisabetta Ferraro, Chiara Bidoia, Erica Marchiori, Giulia Simonato, Elisa Torretta, Ilaria Greco, Francesco Rovere, Marion Wassermann, Achaz von Hardenberg, Paola Beraldo, Rudi Cassini, Alessandro Massolo

ORAL COMMUNICATIONS: TREATMENTS AND DRUGS RESISTANCE

Room E

Chairpersons: Simone Morelli (UNITE), Fabrizia Veronesi (UNIPG)

1. Could the Excretory–Secretory Products from *Trichinella spiralis* Represent a New Immunotherapy for Colorectal Cancer?

Antonio Di Grazia, Francesco Celani, Simona Cherchi, Irene Tartarelli, Alessandra Ludovisi, Gianluca Marucci, Adriano Casulli

2. Parasitic particles targeting cancer: selective toxicity of Echinococcal cyst fluid in lung tumor cells

Alessandra Ludovisi, Antonio Di Grazia, Francesco Celani, Irene Tartarelli, Azzurra Santoro, Federica Santolamazza, Adriano Casulli

3. Longitudinal evaluation of a selective anthelmintic treatment protocol to control cyathostomin infections in three case–study horse stables

Alessia Libera Gazzonis, Lucia Sobrero, Margherita Quadro, Vincent Lacombe Finaldi, Stefania Molteni, Nicola Ferrari, Sergio Zanzani

4. Effective year–round flea control with a single treatment

Giovanni De Benedetto, Ettore Napoli, Emanuela Sturiale, Caterina E. Culoma, Gabriella Gaglio, Emanuele Brianti

5. Monitoring the efficacy of macrocyclic lactones in the treatment of gastrointestinal nematodes in a dairy sheep farm in Sardinia

Lia Cavallo, Claudia Tamponi, Pamela Zeinoun, Furqan Arshad, Giuseppe Argiolas, Maria Chiara Deiana, Antonio Varcasia, Antonio Scala

POSTER PRESENTATIONS: TREATMENTS AND DRUGS RESISTANCE

1. Effect of ivermectin treatment on parasitological findings in reindeer (*Rangifer tarandus tarandus*): fecal egg count reduction test (FECRT) and 6–month follow-up

Barbara Moroni, Luca Carisio, Pikka Jokelainen, Jouko Kumpula, Antti Oksanen, Sauli Laaksonen

2. Targeting Host Rac1 with Carbazole–Pyrimidines: A New Therapeutic Approach Against Leishmaniasis

Anna R. Sannella, Sara Travaglione, Silvia Paone, Stefania Orsini, Aldo Scalone, Cornelis P. Vlaar, Alessia Fabbri, Anna Olivieri, Trentina Di Muccio

ORAL COMMUNICATIONS: ZONOSSES AND ONE HEALTH

Room F

Chairpersons: Alessandra Barlaam (UNIFG), Giulia Morganti (UNIPG)

1. Integrated surveillance of enteric pathogens in human populations and wastewater under climate stress: First insights from the SPRINGS project in southern Italy

Paola Pepe, Antonino Pace, Maria Vittoria Panariello, Luciana Petruccio, Luciano Gualdieri, Selvaggia Lenta, Fabio Savoia, Giovanna Scione, Maurizio Marchetti, Ana Marta Lasheras, Maria Grazia Coppola, Massimiliano Fabbicino, Ludovico Dipineto, Laura Rinaldi

2. Rethinking *Leishmania infantum* epidemiology in the Emilia–Romagna region: evidence of a multi–host transmission system

Elena Carra, Mattia Calzolari, Roberta Taddei, Arianna Bregoli, Emma Santo, Alice Rabitti, Annalisa Santi, Alessandro Reggiani, Mara Scremin, Michele Dottori, Paola Angelini, Cristina Liverani, Margherita Ortalli, Stefania Varani, Gianluca Rugna

ORAL COMMUNICATION: NEGLECTED PARASITIC DISEASES

1. Clinical and demographic characteristics of human leishmaniasis in Liguria, Italy, from 2000 to 2025: a retrospective epidemiological and molecular analysis

Eleonora Fiorentino, Aldo Scalone, Stefania Orsini, Daniele Tonanzi, Gioia Bongiorno, Ilaria Bernardini, Claudia Mangiapelo, Erica Ricci, Elio Castagnola, Giovanni Riccio, Emanuele Delfino, Silvia Dettori, Luigi Gradoni, Marina Gramiccia, Trentina Di Muccio

POSTER PRESENTATIONS: ZONOSSES AND ONE HEALTH

- 1. Intestinal and respiratory parasites diagnosed in privately owned and shelter cats in Italy over a two-year period (2024–2026)**
Ilaria Lallone, Barbara Paoletti, Simone Morelli, Donatella Damiani, Raffaella Iorio, Donato Traversa, Chiara Astuti, Angela Di Cesare
- 2. A 2-year (January 2024–March 2026) retrospective analysis of canine intestinal parasites**
Ilaria Lallone, Barbara Paoletti, Simone Morelli, Donatella Damiani, Chiara Astuti, Raffaella Iorio, Angela Di Cesare
- 3. Molecular detection of *Coxiella burnetii* in long-eared hedgehogs (*Hemiechinus auritus*) and related ticks, Iraq**
Peyman Khademi, Amin Jaydari, Nemat Shams, Zahra Asadollahi, Ahmad Enferadi, Sam Ahmed Abbas, Maryam Najafi Asl, Gianmarco Ferrara, Stefano Scarcelli, Giovanni Sgroi
- 4. Re-emerging human dirofilariosis in Sardinia, Italy**
Francesca Nonnis, Sonia Doneddu, Giovanni Loi, Aldo Manzin, Serena Cavallero, Marco Pombi, Stefano D'Amelio, Lia Cavallo, Claudia Tamponi, Antonio Scala, Antonio Varcasia, Simona Gabrielli
- 5. Parasite-host genetic architecture and human hypersensitization in human anisakiasis caused by *Anisakis pegreffii***
Marialetizia Palomba, Veronica Rodriguez Fernandez, Paola Gesuiti, Ignazio Brusca, Paolo Fazii, Maria P. Perrone, Michela Paoletti, Fabrizio Bruschi, Walter Mazzucco, Simonetta Mattiucci

POSTER PRESENTATIONS: PARASITES IN FISH AND AQUATIC ANIMALS

- 1. Presence of *Anisakis* spp. in mackerels and hakes from a possible sympatry area between the Atlantic and Mediterranean sea: correlation with morphometric parameters of the hosts**
Calogero Alfano, Rosalia Blanda, Maria Giuliana Culotta, Ambra Lapinta, Giuseppa Musso, Sharon Russo, Serena Cavallero, Ilaria Bellini, Stefano D'Amelio, Sara Salza, Gabriella Piras, Tiziana Tedde, Antonella Costa, Marzia Pezzolato, Gaetano Cammilleri, Vincenzo Ferrantelli
- 2. A one-year survey on the food safety evaluation of *Anisakis* spp. in farmed red drum from Italy**
Francesca Apuzzo, Sara Gessaroli, Monica Caffara, Andrea Gustinelli, Arianna Bagnardi

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15.30–17.30

SYMPOSIUM 17 – BATTISTA GRASSI IN THE GOLDEN AGE OF PARASITOLOGY: PEOPLE, STORIES, AND DISCOVERIES (IT)

Room A

Chairpersons: Claudio Bandi (UNIMI), Alessandra della Torre (UNIROMA1)

- 1. The birth of parasitology in Italy: from Antonio Vallisnieri's "friendly worms" to Battista Grassi's spontaneous generation**
Claudio Bandi (UNIMI)
- 2. Battista Grassi: scientific formation, the Darwin Medal, and early controversies**
Paolo Mazzarello, (UNIPV)
- 3. Battista Grassi and malaria: the missed Nobel Prize and the controversy with Ronald Ross**
Bernardino Fantini (UNIGE)
- 4. Giovanni Battista Grassi and the Theory of Evolution**
Marco Ferraguti (Linnean Society of London)
- 5. Battista Grassi's legacy and the present challenges to medical entomology in Italy**
Alessandra della Torre (UNIROMA1)

SYMPOSIUM 18 – SEXUAL AND REPRODUCTIVE HEALTH: AN INTERDISCIPLINARY PERSPECTIVE ON THE BURDEN OF PARASITIC INFECTIONS (EN)

Room C

Chairpersons: Valentina Mangano (UNIFI), Alessandro Bartoloni (UNIFI)

- 1. Improving the control of malaria in pregnancy: recent evidence from clinical trials to implementation science**
Raquel Gonzalez (Barcelona Institute for Global Health)
- 2. Barriers and Enablers of Antenatal Care and Intermittent Preventive Treatment for Malaria in Pregnancy in South Sudan**
Isotta Triulzi (Scuola Superiore Sant'Anna, UNIFI)

3. **Integrating female genital schistosomiasis within sexual and reproductive health services in endemic countries: challenges and opportunities**
Daniela Fusco (Bernhard Nocht Institute for Tropical Medicine)
4. **Beyond a single pathogen: microbial interactions driving *Trichomonas vaginalis* virulence**
Pier Luigi Fiori (Department of Biomedical Sciences, UNISS)
5. **Prevention of congenital toxoplasmosis: relevance of screening amidst shifting epidemiological trends**
Alice Bonetti (Microbiology and Virology Unit, Diagnostic Medicine Department, Fondazione IRCCS Policlinico San Matteo), Valeria Meroni (Department of Molecular Medicine, UNIPV)
6. **Chagas disease in pregnancy**
Lorenzo Zammarchi (Department of Experimental and Clinical Medicine, University of Florence)

ORAL COMMUNICATIONS: ALTERNATIVE METHODS FOR PARASITE CONTROL

Room D

Chairpersons: Alice Vismarra (UNIPR), Luca Villa (UNIMI)

1. **Entomopathogenic effect of *Beauveria bassiana* against *Phlebotomus perniciosus* sand flies**
João Victor Costa Guesser, Marcos Antonio Bezerra-Santos, Renata Fagundes-Moreira, Claudia Cafarchia, Domenico Otranto
2. **Comparative in vitro efficacy of selected formulations against *Saprolegnia parasitica***
Perla Tedesco, Dylan Triggianese, Andrea Gustinelli, I-Tung Chen, Waldo G. Nuez-Ortín, Filippo Maria Dini, Monica Caffara, Roberta Galuppi

POSTER PRESENTATIONS: ALTERNATIVE METHODS FOR PARASITE CONTROL

1. **In vitro evaluation of the nematophagous fungi *Arthrobotrys oligospora* and *Duddingtonia flagrans* for the control of gastrointestinal strongyle larvae in naturally infected sheep**
Barbara Paoletti, Raffaella Iorio, Roberto Bartolini, Elisabetta De Angelis, Angela Di Cesare
2. **The SPARC WebGIS: A Platform to Monitor Anthelmintic Resistance Across Europe**
Federica Ceraso, Antonio Bosco, Ruggero Amato, Laura Rinaldi

ORAL COMMUNICATION: MYCOTIC DISEASES

1. **Dermatophyte fungi in household pets: a One Health perspective on prevalence and risk**
Andrea Grassi, Patrizia Danesi, Sofia Sgubin, Serena Alessandro, Emiliana Del Regno, Sara Rigamonti, Emanuela Olivieri, Gabriele Ratti

POSTER PRESENTATIONS: MYCOTIC DISEASES

1. **Wastewater-based surveillance of *Candida auris* and other thermotolerant and osmotolerant yeast in Lombardy**
Andrea Grassi, Sara Rigamonti, Emanuela Olivieri, Laura Birbes, Flavia Guarneri, Giada Scarsi, Bianca Barzagli, Danilo Cereda, Gabriele Del Castillo, Paola Prati, Giovanni Loris Alborali
2. **Survey on the presence of fungi causing opportunistic human infections in avian species in a wildlife park in northern Italy**
Andrea Peano, Cecilia Bedetti, Anna Rita Molinar Min, Mario Pasquetti, Manuel Morici, Marta Bonfanti
3. **Dynamics of in vitro biofilm formation in *Aspergillus* spp. revealed by scanning electron microscopy (SEM)**
Talita Bordoni, Silvia Scurti, Perla Tedesco, Filippo Maria Dini, Roberta Galuppi
4. **Occurrence and molecular characterization of *Aspergillus* species in a zoological park in Italy**
Talita Bordoni, Luca Celani, Filippo Dini, Chiara Cotignoli, Michele Capasso, Matteo Galliani, Roberta Galuppi
5. **In vitro efficacy of traditional antifungal drugs and essential oils for the treatment of cutaneous fusariosis in loggerhead sea turtles (*Caretta caretta*)**
Erica Marchiori, Talita Bordoni, Andrea Gustinelli, Linda Albonetti, Simone D'Acunto, Patrizia Danesi, M. Di Mercurio, Maura Di Vito, Enea Tentoni, Maurizio Scozzoli, Roberta Galuppi
6. **Beyond bacteria: oral fungal communities in dogs involved in animal assisted programs**
Patrizia Danesi, Sofia Sgubin, Valentina Lopes, Valentina Cagnin, Elena Porcellato, Erica Marchiori, Giulia Simonato

POSTER PRESENTATIONS: NEGLECTED PARASITIC DISEASES

1. ***Echinococcus granulosus*-derived microRNAs in hydatid fluid: novel insights into biomarkers for cystic echinococcosis**
Chiara Stocchero, Alessandro Zanon, Susanna Adelaide Sechi, Alessandra Cafiso, Ambra Vola, Sofia Frattola, Tiago Nardi, Tommaso Manciuilli, Enrico Brunetti, Chiara Bazzocchi

2. **An Agar-Free, Glass Bead-Based Method for the Culture of *Strongyloides stercoralis*: An Exploratory Diagnostic Sensitivity Study**
Francesca Tamarozzi, Monica Degani, [Salvatore Scarso](#), Sara Negrelli, Stefano Tais, Eleonora Rizzi, Alberta Carrara, Giulia La Marca, Davide Treggiari, Tamara Ursini, Dora Buonfrate
3. **Assessment of myocardial responses to resveratrol and coenzyme q10 supplementation in experimental chagas disease**
[Bruno Vinicios Silva de Araújo](#), Jêmede Duarte Valença, Eveline de Fátima Lima Catão, Valdemiro Amaro da Silva Junior, Felipe de Souza Barroca, Sophia Oliveira Dantas, Maria de Lara de Oliveira Lima, Leucio Câmara Alves
4. **Occupational dermatitis from *Lepidoglyphus destructor*: a case report**
Manuela Diaferia, [Giulia Colangeli](#), Fabrizia Veronesi, Giulia Morganti, Iolanda Moretta
5. **Cutaneous furuncular myiasis caused by *dermatobia hominis*: an imported case from Ecuador**
Fabrizia Veronesi, Flavia Di Cioccio, Leonardo Bianchi, Marta Tramontana, [Giulia Colangeli](#), Luca Stingeni, Iolanda Moretta
6. **From Country Profiles to Individual Risk: A Predictive Approach to Soil-Transmitted Helminth Infections in Migrants from Southern Italy**
[Paola Pepe](#), Jana Purkiss, Luciano Gualdieri, Sofia Costa, Dalila Esposito, Maria Paola Maurelli, Emanuele Giorgi, Laura Rinaldi

POSTER PRESENTATION: PARASITES AND MIGRATION

1. **Coinfection of *Entamoeba histolytica* and *Salmonella* spp: an autochthonous case?**
[Claudio Burgarello](#), Barbara Fabiani, Giulia Romanisio, Flavia Parrinello, Laura Luca, Sara Grignolo, Anna Terrile, Alberto Gaiero, Flavia Lillo

POSTER PRESENTATIONS: PARASITIC DISEASES IN COMPANION ANIMALS

1. **Prevalence, morphological traits and molecular characterization of parasites in captive-bred pet reptiles in Italy**
[Carolina Allievi](#), Nicholas De Filippo, Emanuele Lubian, Luca Villa, Maria Teresa Manfredi
2. **Efficacy of Drontal® Tasty and helminth control practices in hunting dogs in southern Italy**
[Farwa Humak](#), Francesco Buono, Vincenzo Veneziano, Diego Piantedosi, Elisa Castaldo, Stefano Scarcelli, Francesco Locantore, Anna Paola Rivolta, Stefania Rotondi, Norbert Mencke, Katrin Blazejak
3. **Exotic filariasis in Switzerland: A case of *Brugia* sp. infection in an imported dog**
[Walter Basso](#), Gastón Moré, Caroline F. Frey, Charlotte Rickli, Marine Saint-Maxent, Olivier Labelle, Sara Soto, Miriam Stoeckli, Elisa Maina
4. **Circulation of *Leishmania infantum* in pet and shelter dogs: a three-year study in the Province of Rome, Italy**
Giulia Barlozzari, [Chiara Gentile](#), Pasquale Rombolà, Sara Greco, Caterina Fani, Federico Romiti, Sara Simeoni, Cristiana Poggi, Paola Scaramella, Paola Di Folco, Marcello Sala, Marco Pombi, Manuela Scarpulla, Simona Gabrielli

ORAL COMUNICATIONS: VECTORS AND VECTOR-BORNE DISEASES

Room E

Chairpersons: Adriano Casulli (ISS), Simona Gabrielli (UNIROMA1)

1. **Rac1-dependent regulation of Tmod1 controls erythrocyte actin stability and *Plasmodium falciparum* invasion**
Silvio Paone, Kasturi Pal, Gloria Sangiorgi, Alisia Pantanetti, Martina Laudazzi, Velia M. Fowler, [Anna Olivieri](#)
2. **Birago Project Italy – *Dirofilaria immitis* and macrocyclic lactones: what has happened after 40 years?**
[Marco Genchi](#), Marta Fozzer, Simona Gabrielli, Isabella Mercuri, Roberta Galuppi, Filippo Maria Dini, Vincenzo Musella, Francesca Nonnis, Claudia Tamponi, Domenico Otranto, Riccardo Lia, Stefania Perrucci, Lisa Guardone, Maria Teresa Manfredi, Carolina Allievi, Laura Rinaldi, Lavinia Ciuca, Alice Vismarra, Luigi Venco
3. **Nuclear and mitochondrial population genomics of *Ixodes ricinus***
Juan E. Uribe, Alessandro Nota, Nicola Rambaldi Migliore, Gianluca Lombardo, Greta Bellinzona, Sophie Melis, Carlo Croci, Theodoros Sakkas, Gherard Batisti Biffignandi, Olivier Plantard, Hein Sprong, Michele Castelli, Anna Olivieri, Claudio Bandi, Antonio Torroni, [Davide Sassera](#)
4. **Molecular and microbiota responses to temperature stress in mosquito vectors**
[Alessia Cappelli](#), Claudia Damiani, Marco Di Luca, Irene Ricci, Guido Favia
5. **Ticks and Tick-Borne Pathogens in Italy: A Systematic Review**
[Giulia Maioli](#), Luciano Toma, Giorgi Galletti, Stefania Calò, Marco Di Luca, Cristiano Salata

6. Sand fly monitoring in Southern Italian regions with a focus on Lampedusa Island

Alessia Ricci, Marcos Antonio Bezerra-Santos, Sara Tuccio, João Victor Costa Guessier, Domenico Otranto

POSTER PRESENTATIONS: VECTORS AND VECTOR-BORNE DISEASES

1. *Dirophilaria repens*: first human case in Liguria region (north-west Italy)

Claudio Burgarello, Sara Grignolo, Barbara Fabiani, Anna Terrile, Giovanni Riccio, Flavia Lillo

2. Investigation on the winter feeding activity of the *Culex pipiens* bioforms in Lazio and Tuscany regions (Central Italy)

Federico Romiti, Michela Menegon, Valeria Carioti, Silvia Yesenia Rondon Robayo, Adele Magliano, Matilde Basile, Pilar Di Cerbo, Anna Carone, Matilde Chiavacci, Irene Del Lesto, Sarah Droghei, Francesco Severini, Marco Di Luca, Claudio De Liberato

3. Sand fly diversity and molecular detection of *Leishmania* spp. in Somalia

Kassim Abdullahi Jimale, Marcos Antonio Bezerra-Santos, Jeilani Bussuri Mio, Said Ali Ibrahim, Juweria Abdulkadir Mohamoud, Mohamed Adam Mahamud, Domenico Otranto

ORAL COMMUNICATIONS: ECO-PARASITOLOGY AND WILDLIFE

Room A

Chairpersons: Paola Beraldo (UNIUD), Filippo Maria Dini (UNIBO)

1. First detection of *Echinococcus multilocularis* in golden jackals in Northeastern Italy

Federica Obber, Graziana Da Rold, Erica Maria Fabiano, Alessia Franzoso, Erica Marchiori, Elisabetta Ferraro, Lucia Marcon, Filippo Marzoli, Paola Beraldo, Luca Dorigo, Debora Dellamaria, Stefano Colorio, Alexander Tavella, Nicola Pozzato, Giammarco Assirelli, Giacomo De Conti, Rudi Cassini, Carlo Citterio, Marco Bregoli

2. Small mammals and foxes in the ecology of *Echinococcus multilocularis*: field evidences from Northeastern Italy

Graziana Da Rold, Alessia Franzoso, Filippo Marzoli, Erica M. Fabiano, Andrea Zanin, Leonardo Turioni, Erica Marchiori, Eva Ladurner, Rudi Cassini, Carlo V. Citterio, Federica Obber

3. Widespread *Toxoplasma gondii* infection in expanding wolf populations in Italy

Filippo Maria Dini, Carmela Musto, Francesca Brivio, Patrizia Bassi, Alessandro Bianchi, Marco Gobbi, Lorella Barca, Lorenzo Casoni, Livia Anahita Suprani, The Wolf Network, Marco Apollonio, Mauro Delogu, Roberta Galuppi, Sarah Marshall-Pescini

4. Infection with the squamate-associated nematode *Hexameta angusticaecoides* in Italian insectivorous bats

Renata Fagundes-Moreira, Jairo Alfonso Mendoza-Roldan, Emiliano Mori, Leonardo Ancillotto, Simone Vergari, Gianna Dondini, Claudia Chini, Riccardo Paolo Lia, Domenico Otranto

5. *Sulcascaris sulcata* (Nematoda: Anisakidae) in sea turtles (*Caretta caretta*) stranded along the Apulian and Marche coasts (Italy)

Maria Grazia Cariglia, Stefano Castellana, Antonio Petrella, Angelica Bianco, Adriana Di Castri, Leonardo Marino, Stefania Patrizia Grimaldi, Eleonora Buzzi, Matteo Beverelli, Roberta Catanzariti, Rokia Moretti, Federica Cavaliere, Ilaria Pascucci, Maria Assunta Cafiero

POSTER PRESENTATIONS: ECO-PARASITOLOGY AND WILDLIFE**1. Tick diversity and abundance in protected natural areas in Sicily, Southern Italy: a baseline ecological study**

Ettore Napoli, Federico Cangialosi, Sergio Migliore, Paola Galluzzo, Elisa M. Petta, Valeria Vaglica, Rosario Adragna, Davide Pepe, Francesca Gucciardi, Vincenza Cannella, Caterina E. Culoma, Puoulina M. Lesiczka, Annalisa Guercio, Valeria Blanda

2. Occurrence of *Hydatigera* spp. (clade C) in liver cysts of *Apodemus sylvaticus* from Apuan Alps, Italy

Daniele Fabbri, Lorenzo Carbonetta, Maria T. Armua Fernandez, Lisa Guardone, Paola Beraldo

3. First molecular confirmation of *Sarcocystis miescheriana* in wild boars of Uruguay

María Teresa Armúa-Fernández, Florencia Méndez, Ernesto González Tonelli, Catherine Ferré, Bibiana Freire, Gustavo Castro, Laura Decia, Bruno Tato, María Soledad Valledor, Lorenzo Carbonetta, Emily Sel, Gastón Moré, Walter Basso, Selene Rubiola, Lisa Guardone

4. Heterogeneous neuroanatomical distribution of *Toxoplasma gondii* parasitic elements and associated lesions in the brain of naturally infected red foxes (*Vulpes vulpes*) from Italy and Australia

Giulia Morganti, Leonardo Brustenga, Giuseppe Giglia, Tharaka K.L.D.D. Liyanage, Livia Lucentini, Iolanda Moretta, Manuela Diaferia, Nicoletta D'Avino, Marco Gobbi, Alice Ranucci, Fabrizio Passamonti, Abdul Jabbar, Jasmin Hufschmid, Maria T. Mandara, Fabrizia Veronesi

5. Parasitic infections in shepherd dogs from central Mongolia: implications for wildlife conservation and One Health

Marco Gobbi, Liliana Costanzi, Davide Sogliani, Claudio Augugliaro, Eleonora Facchinelli, Alice Ranucci, Lucia Toso, Silva Costarelli, Silvia Crotti

SYMPOSIUM 19 – NEGLECTED TROPICAL DISEASES: UPDATE ON THE POLICY AND NEWS ON EPIDEMIOLOGY (EN)

Room C

Chairpersons: Fabrizio Bruschi (UNIFI), Adriano Casulli (ISS)

1. Keynote – The German Network for NTDs

Achim Hoerauf (University Hospital Bonn)

2. Neglected tropical diseases throughout the centuries

Fabrizio Bruschi (già UNIFI)

3. The new WHO Guidelines for the treatment of patients with cystic echinococcosis

Francesca Tamarozzi (IRCCS Sacro Cuore Don Calabria Hospital, Department of Infectious-Tropical Diseases and Microbiology, WHO Collaborating Centre for Strongyloidiasis and other Neglected Tropical Diseases, Negrar di Valpolicella)

4. Neglected Tropical Diseases in Italy (IN-NTD Network)

Adriano Casulli (Unit of Foodborne and Neglected Parasitic Diseases, Department of Infectious Diseases, ISS)

5. From Awareness to Action: Insights on Neglected Tropical Diseases from a National Survey by the Y-IN-NTD Network

Federica Perego (ParVirLab, Department of Biomedical, Surgical and Dental Sciences UNIMI), Claudia Mangiapelo (Department of Infectious Diseases, Vector-Borne Diseases and Emerging Viral Zoonoses Unit, ISS - Department of Public Health, Experimental and Forensic Medicine, UNIPV)

6. Lyme borreliosis: a neglected disease?

Claudio Bandi (UNIMI)

7. Discussion

SYMPOSIUM 20 - FROM RESEARCH NODE 2 OF THE PNRR INF-ACT PROJECT TO THE ITALIAN NETWORK ON ARTHROPOD VECTORS AND VECTOR-BORNE DISEASES (IT)

Room D

Chairpersons: Domenico Otranto (UNIBA), Fabrizio Montarsi (IZSVE)

1. Keynote - Resources and infrastructure for vector biologists and vector-borne disease experts by INF-ACT PNRR Extended Partnership

Alessandra della Torre (Dipartimento di Sanità Pubblica e Malattie Infettive, UNIROMA1)

2. Vector-Borne Viral Diseases and Public Health in Italy Today

Giulietta Venturi (Rome)

3. From life cycle to life cycle disruption: advancements in biologically-driven mosquito control

Paolo Gabrieli (UNIMI)

4. Vector-borne diseases in Italy: a perspective from human medicine

Vittorio Sambri (Dipartimento di Scienze Mediche e Chirurgiche, UNIBO)

5. Assessment of Innovative Approaches for Vector Control and Monitoring: The STOPTIGRE Project on Procida Island

Marco Salvemini (UNINA)

6. INF-ACT beyond the INF-ACT PNRR project

Federico Forneris (UNIPV)

ORAL COMMUNICATIONS: PARASITIC DISEASES IN COMPANION ANIMALS

Room E

Chairpersons: Emanuele Brianti (UNIME)/Giulia Simonato (UNIPD)

1. Microbiota characterization of *Leishmania infantum*-associated skin ulcers in dogs using shotgun metagenomics

Leucio Camara Alves, Maria Goretti Varejão da Silva, Maria de Lara Oliveira Lima, Roseane de Oliveira Feitosa, Andrea Paiva Botelho Lapenda de Moura, Carlos Adriano de Santana Leal

2. Evaluation of recombinant salivary antigen of *Phlebotomus perniciosus* as an exposure marker in cats from a *Leishmania infantum* endemic area

Mariele De Santi, Valentina Foglia Manzillo, Claudia La Rocca, Maria Ortensia Montella, Gennaro Altamura, Maria Paola Maurelli, Iva Kolářová, Petr Volf, Gaetano Oliva

3. Neglected but Widespread: molecular evidence of the distribution and genetic diversity of *Klossiella equi* in Europe

Francesco Buono, Sára Lukšíková, Ondřej Daněš, Elisa Castaldo, Stefan O. Rabei, Eduardo Berriatua, Pedro Sánchez, Štěpán Bodeček, Petr Jahn, Mariel G. Pikemaat, Elizabeth G. Zeldenrust, Andrei D. Mihalca, Gianpiero Sabatini, Vincenzo Veneziano, David Modrý

4. High prevalence of occult *Dirofilaria immitis* infections in dogs from Italy and Greece

Angela Di Cesare, Anastasia Diakou, Simone Morelli, Antonio Frangipane di Regalbono, Marika Grillini, Fabrizia Veronesi, Manuela Diaferia, Claudia Tamponi, Francesca Nonnis, Antonio Varcasia, Vittoria Monaco, Ilaria Lallone, Donatella Damiani, Chiara Astuti, Altea S. Gaeta, Daniela do Amaral Grossi, Jesse Buch, Melissa Beall, Sarah Peterson, Alessandra Passarelli, Donato Traversa

5. How a parasite masks a virus: *Aelurostrongylus abstrusus*-driven immunomodulation and false FIV seronegativity in the cat

Antonio Viglietti, Emanuela Seu, Marco Genchi

- 6. Feline heartworm disease in Sardinia, Italy: clinical presentation and diagnostic challenges in a case series**
Francesca Nonnis, Emanuela Seu, Pamela Zeinoun, Lia Cavallo, Andrea Corda, Giovanni Furcas, Paolo Agus, Claudia Tamponi, Antonio Scala, Antonio Varcasia
- 7. Prevalence, molecular characterization, and risk factors of Giardiasis in Lebanon, Middle East and Sardinia, Italy**
Pamela Zeinoun, Francesca Nonnis, Lia Cavallo, Sara Sechi, Muhammad Furqan Arshad, Isa Pitzalis, Erica Todde, Claudia Tamponi, Antonio Scala, Antonio Varcasia

DAY 4 – 26 June 2026

11.00–13.00

SYMPOSIUM 21 – MAJOR PARASITIC DISEASES IN POULTRY: CURRENT CHALLENGES AND CONTROL STRATEGIES (IT/EN)

Room A

Chairpersons: Caterina Lupini (UNIBO), Mattia Cecchinato (UNIPD)

- 1. Keynote – Current challenges of parasitic diseases in different poultry production systems**
 Michael Hess (Histovac GmbH, Former: Clinic for Poultry and Fish Medicine; University of Veterinary Medicine, Vienna, Austria)
- 2. *Dermanyssus gallinae*: tracing the path from poultry pest to pathogen vector**
 Antonio Camarda (Department of Veterinary Medicine, UNIBA)
- 3. Efficacy of an attenuated vaccine against avian coccidiosis in combination with feed additives based on organic acids and essential oils on production performance and intestinal lesions in broilers experimentally challenged with necrotic enteritis**
 Martina Dardi (Global Technical manager Poultry, HIPRA, Amer (Girona), Spain)
- 4. Control strategies for parasitic diseases in broiler chickens**
 Fausto Ruffini (Filiara Amadori – Teramo)

ORAL COMMUNICATIONS: NEGLECTED PARASITIC DISEASES

Room C

Chairpersons: Margherita Ortalli (UNIBO), Marco Pombi (UNIROMA1)

- 1. Paradigm shift: Community risk of environmental-borne cystic echinococcosis transmission**
 Adriano Casulli
- 2. European public health perspective on alveolar echinococcosis**
Adriano Casulli, Federica Santolamazza, Azzurra Santoro
- 3. Development of an *in vitro* system for the maintenance of *Strongyloides stercoralis* life cycle**
Michela Deiana, Natalia Tiberti, Nicole Padovani, Elisabetta Vezzelli, Niccolò Ronzoni, Chiara Piubelli, Dora Buonfrate
- 4. Human neurocysticercosis unexpectedly caused by *Taenia martis*, Italy**
Azzurra Santoro, Antonio Di Grazia, Simona Cherchi, Alessandra Ludovisi, Federica Santolamazza, Irene Tartarelli, Francesco Celani, Adriano Casulli, Marina Cuntrò, Elena Gervasi, Luca Baldassarri, Marco Arosio, Matteo Lacavalla, Annibale Raglio, Edoardo Carretto
- 5. High burden of intestinal parasitic infections and polyparasitism in Embera indigenous communities of rural Colombia**
 Paula Benitez-Bolívar, Antonio Varcasia, Simona Gabrielli, Claudia Tamponi, Antonio Scala, Albis Gabrielli, Angela Maya, Patricia Castaño, Alejandro Barrios, Camila Gonzalez Rosas
- 6. Bioluminescence imaging reveals cerebral persistence of *Leishmania donovani* in experimental visceral leishmaniasis**
 Maria C. González-Montero, Carlos García-Estrada, Rafael Balaña-Fouce, Donatella Taramelli, Nicoletta Basilico, Rosa M. Reguera, Estefania Calvo-Alvarez
- 7. The Complexities of Treating Visceral Leishmaniasis in Vulnerable Immunocompromised Patients**
Maria V. Tomassi, Serena Vita, Ambrogio Curtolo, Alessandra D'Abramo, Angela Corpolongo, Francesca Faraglia, Tommaso Ascoli Bartoli, Andrea Mariano, Antonella Vulcano, Gaetano Maffongelli, Emanuele Nicastrì

Chairpersons: Giulia Maioli (IZSLER), Roberta Galuppi (UNIBO)

1. **How to Catch a "Ghost" Hard Tick: The Case of Genus *Dermacentor* and Carbon Dioxide Traps**
Alessandro Forti, Stefania Zanet, Amir Reza Varzandi, Patricia Parreira Perin, Ezio Ferroglio
2. ***Ixodes ricinus* Abundance Across Hosts and Abiotic Conditions in ASF-Affected and ASF-Free Areas: A Preliminary Analysis**
Alessandro Forti, Stefania Zanet, Alessandro Nota, Matteo Pascali, Andrea Carolina Castillo Pacheco, Amir Reza Varzandi, Patricia Parreira Perin, Ezio Ferroglio
3. **Evolution of protein effectors in the vector-borne pathogen *Rickettsia* and their role in host interactions**
Luca Erriquez, Greta Bellinzona, Carlo Croci, Paolo Losi, Davide Sassera, Michele Castelli
4. **Integrating field surveillance and machine learning modelling to investigate climate-driven changes in *Phlebotomus perniciosus* distribution in northwestern Italy**
Patricia Parreira Perin, Rachele Vada, Giovenale Moirano, Stefania Zanet, Enrico Guido Pacchiardo, Martina Cocino, Francesco Benatti, Alessandro Forti, Roberto Convertino, Ilaria Pastori, Alessandro Nota, Ezio Ferroglio
5. **Adaptation and Expansion of Sand Flies (Diptera: Psychodiade) in Northeastern Italy**
Lidia I. Danca, Sara Manzi, Francesco Gradoni, Giulia Chiarello, Sara Carlin, Giulia Iandiorio, Federica Gobbo, Fabrizio Montarsi
6. **Evaluating immunohistochemistry for studying pathogen localization in tick–pathogen interactions**
Sergio Migliore, Lucia Condorelli, Paola Galluzzo, Lucia Galuppo, Angela Corrente, Ettore Napoli, Roberto Puleio
7. **A nine-year retrospective study on canine leishmaniosis in Liguria, north-west Italy**
Sara A. Chiarlone, Aitor Garcia-Vozmediano, Luca Carisio, Nicola Pussini, Valentino Revello, Francesca Mancianti, Walter Martelli, Walter Mignone, Monica Dellepiane, Elisabetta Razzuoli, Lisa Guardone
8. **Circulation of *Dirofilaria immitis* and *Dirofilaria repens* in mosquitoes, blood meal host identification and a regional survey on dirofilariosis in cats and dogs. An integrated approach to better define dirofilariosis epidemiology in endemic areas**
Alice Vismarra, Marta Fozzer, Marco Genchi, Mattia Calzolari, A. Tenga, Laura H. Kramer, Chiara Stocchero, Chiara Bazzocchi, Alessandra Cafiso
9. **Epidemiological survey of canine piroplasms in Southern Ethiopia: Unveiling hidden co-infections through species-specific molecular approach**
Marika Grillini, Tingxi Zhang, Hana Tadesse, Naledi P. Sekgobela, Giorgia Dotto, Giovanni Franzo, Bersissa Kumsa, Raksha V. Bhoora, Giulia Simonato, Rudi Cassini
10. **Tick Surveillance in Urban Settings: Evidence from Children and City Parks in Turin**
Aitor Garcia-Vozmediano, Valerio Carta, Elisabetta Ercole, Marina Gallo, Alessio Ferrari, Simone Peletto, Giulia Pruccoli, Emanuela Cadario, Silvia Garazzino, Laura Tomassone, Cristiano Corona, Carlotta Tassarolo
11. **Occurrence of Tick-Borne Pathogens in Wild Cervids: A Molecular Study in Poland**
Emily Sel, Giulia Libertini, Valentina Virginia Eban, Fabrizio Bertelloni, Ewa Bilska-Zajac, Agnieszka Jodełko, Lisa Guardone
12. **Mosquito diversity and arbovirus surveillance across ecological settings in Colombia using BG-FTA traps**
Francesca R. Di Maio, Eleonora Perugini, Sara Manzi, Cristiana Poggi, Luca Nelli, Fabrizio Montarsi, Florigio Lista, María Carrasquilla, Camila Gonzales Rosas, Marco Pombi
13. **Long-term monitoring of mosquito biodiversity in the Valle Averno wetland (Northeast Italy) / 2010–2024**
Giulia Chiarello, Diletta Fornasiero, Stefano Borella, Matteo Mazzucato, Sara Carlin, Federica Gobbo, Paolo Mulatti, Fabrizio Montarsi
14. **Validation of *Leishmania tarentolae* as a novel platform for antigen production: developing a serological test for Rift Valley Fever Virus**
Matilde S. Conconi, Giulia Litta Modignani, Bethania R. Lorençone, Ilaria Varotto-Boccazzi, Giulia Cattaneo, Riccardo Molteni, Alessandro Manenti, Giovanni Savini, Emanuele Montomoli, Sara Epis
15. **Fungal-derived olfactory cues as oviposition attractants for mosquitoes: toward a novel lure-and-kill strategy**
Gianmarco Rotondi, Gianandrea Salerno, Irene Ricci
16. ***Aedes albopictus* (Diptera, Culicidae) monitoring in the municipality of Messina, what is changing?**
Giovanni De Benedetto, Michele Trimboli, Emanuela Sturiale, Vanessa Y. Sanchez Tinjaca, Gabriella Gaglio, Emanuele Brianti

- 17. High-throughput microfluidic PCR to reveal filarial worms and arboviruses prevalence in mosquito**
Giovanni Naro, Laura Soresinetti, Marta Villa, Agata Negri, Sophie Melis, Fabrizio Montarsi, Federica Gobbo, Paolo Gabrieli, Sara Epis
- 18. Tick-borne pathogens in the Italian Alps: evidence from *Ixodes ricinus* in the Lombard sector of Stelvio National Park**
Alessandra Cafiso, Alessandro Zanon, Matteo Nava, Luca Corlatti, Maria Gori, Clara Fappani, Marta Canuti, Camilla Luzzago, Chiara Bazzocchi
- 19. Rac1 protein interactions in human erythrocytes as a basis for selective host-directed antimalarial drug design**
Silvio Paone, Susy Piovesana, Alisia Pantanetti, Valerio Bufardecì, Gloria Sangiorgi, Martina Laudazzi, Sara Elsa Aita, Fabrizio Ferrè, Anna Laura Capriotti, Anna Olivieri
- 20. Medium-throughput screen for the identification of erythrocyte factors involved in susceptibility to invasion by *Plasmodium falciparum***
Davy Zongo, Alisia Pantanetti, Silvio Paone, David Modiano, Sara Massimi, Anna Olivieri
- 21. Preliminary Investigation of the Circulation of *Leishmania infantum* and *Leishmania tarentolae* in an Urban Green Area of Rome**
Chiara Gentile, Irene Ciabatta, Adriana Augello, Riccardo Castiglia, Marco Pombi, Simona Gabrielli
- 22. Identification of *Anopheles labranchiae* (*An. maculipennis* complex) by MALDI-TOF mass spectrometry: preliminary data**
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- 23. *Phlebotomus perfiliewi* as a potential multi-pathogen vector: the role in *Leishmania* transmission and phlebovirus circulation**
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