



UNIVERSITÀ
DEGLI STUDI
DI MILANO



VIII INTERNATIONAL MEETING ON APICOMPLEXA IN FARM ANIMALS

LODI, ITALY

16-18 SEPTEMBER

2026

DEPARTMENT OF VETERINARY MEDICINE
AND ANIMAL SCIENCES

VIA DELL'UNIVERSITÀ 6 - LODI, ITALY



Local Organizing Committee

Carolina Allievi (University of Milan, Italy)
Chiara Bazzocchi (University of Milan, Italy)
Alessandra Cafiso (University of Milan, Italy)
Nicola Ferrari (University of Milan, Italy)
Alessia Libera Gazzonis (University of Milan, Italy)
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Laura Rinaldi (President of the SOIPA Society; Federico II University, Naples, Italy)
Luca Villa (University of Milan, Italy)
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Organizing Secretariat

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PATRONAGE



ORDINE DEI MEDICI VETERINARI
DELLA PROVINCIA DI LODI



SIPAOC

Società Italiana di Patologia
e Allevamento degli Ovini e dei Caprini



Dear Colleagues,

We are delighted to announce that the 8th International Meeting on Apicomplexa Parasites in Farm Animals will take place in Lodi, Italy, in 16-18 of September 2026. Organised by the parasitologist group of the Department of Veterinary Medicine and Animal Sciences, University of Milan, this biennial meeting has served as a highly active and influential forum for researchers worldwide working on Apicomplexa since 2012.

As apicomplexan parasites pose a critical challenge to the global livestock sector, we are pleased to invite you to Lodi, where the beauty of the Italian countryside meets a long-standing zootechnical tradition. This region is not only at the heart of Italian livestock production but also one of the most significant zootechnical hubs in Europe.

ApicoWplexa is known for fostering intensive scientific exchanges in a friendly atmosphere and has significantly contributed to the advancement of this dynamic research field. This enriching face-to-face event will once again provide a unique forum for researchers, scientists, students, and partners from academia, industry, and government organizations to explore the fascinating challenges apicomplexan parasites rise in livestock.

ApicoWplexa 2026 will offer an exceptional opportunity for innovation and collaboration, paving the way for future advancements in understanding and managing these parasites in farm animals. We believe that your expertise and passion in this field will greatly enrich the discussions and contribute to the success of this conference.

We welcome your participation and look forward to Lodi for the 8th ApicoWplexa International Meeting on Apicomplexa Parasites in Farm Animals.

On behalf of the Organizing Committee

Prof. Maria Teresa Manfredi

Full Professor of Parasitology and Parasitic Diseases

Department of Veterinary Medicine and Animal Sciences

Università degli Studi di Milano, Milan, Italy

E-mail: lodi2026@unimi.it

PROGRAMME AT A GLANCE

Wednesday, 16 September (16.00–18.15)	Thursday, 17 September (8.30–18.30)	Friday, 18 September (8.30–16.30)
	08.30–10.30 Session 1 Food, water and environment: A One Health approach to Apicomplexa spread	08.30–10.30 Session 5 Molecular and cellular biology
	08.30–09.30 Opening keynote Dr. Pikka Jokelainen (Denmark) 09.30–10.30 Oral communications	08.30–09.00 Keynote Prof. Andrew Hemphill (Switzerland) 9.00–10.30 Oral communications
	10.30–11.00 Coffee break	10.30–11.00 Coffee break
	11.00–13.00 Session 2 Immunology and Vaccination	11.00–13.00 Session 6 Host-parasite interactions, pathogenesis and experimental models
	11.00–11.30 Keynote Prof. Anja Joachim (Austria) 11.30–13.00 Oral communications	11.00–11.30 Keynote Prof. Gema Alvarez Garcia (Spain) 11.30–13.00 Oral communications
	13.00–14.00 Lunch break	13.00–14.00 Lunch break
	14.00–16.00 Session 3 Parasite evolution, biodiversity, and population genetics	14.00–16.00 Session 7 Epidemiology, Infection modelling and Economic impact
	14.00–14.30 Keynote Dr. Simone Cacciò (Italy) 14.30–16.00 Oral communications	14.00–14.30 Keynote Prof. Laura Rinaldi (Italy) 14.30–16.00 Oral communications
16.00–17.00 Registration	16.00–16.30 Coffee break	16.00–16.30 Closing and poster awards
17.00–18.15 Welcome and opening lecture Welcome by the authorities Dr. Alessandro Broglia (Italy)	16.30–18.30 Session 4 Diagnosis, biosafety, and control strategies	
	16.30–17.00 Keynote Prof. Valentina Ferrante (Italy) 17.00–18.30 Oral communications	
18.15–20.00 Welcome reception	19.00–22.00 Congress dinner	

Opening session

17.00 Welcome

Prof. Maria Teresa Manfredi (University of Milan; Organising Committee)

Prof. Andrew Hemphill (University of Bern; Apicowplexa network)

Authorities

17.15 Opening lecture

Chairpersons: Prof. Nicola Ferrari (University of Milan)

Prof. Luis Ortega Mora (Complutense University of Madrid; Apicowplexa network)

Rethinking One health: what if the biggest threat is not the pathogen?

Dr. Alessandro Broglia (European Food Safety Authority; Parma, Italy)

17 SEPTEMBER 2026

SESSION 1. FOOD, WATER AND ENVIRONMENT: A ONE HEALTH APPROACH TO APICOMPLEXA SPREAD

Chairpersons: Luca Villa (University of Milan); Marieke Opsteegh (Centre for Infectious Disease Control, The Netherlands)

8.30-9.30 Opening keynote

One Health and Apicomplexa: across species, systems and sectors

Dr. Pikka Jokelainen (Head of Function, One Health and International Collaborations, Infectious Disease Preparedness, Statens Serum Institut, Copenhagen, Denmark)

9.30-10.30 Oral communications

1. Longitudinal study examining *Cryptosporidium* in lambs and water samples in Northwest Wales reveals increasing prevalence during the lambing season

Paul M Bartley, Emma Jones, Alwyn Roberts, Frank Katzer

2. Phylogenetic structure and cluster analysis of *Cryptosporidium parvum* from human and animal sources using MLST and MLVA

Elise Groenen, Nimrod de Wit, Pauline Lempens, Sietze Brandes, Diede Wübbels, Chesley van Buuren, Marieke Opsteegh, Lapo Mughini-Gras, Thomas Roodsant, Kees van der Ark

3. Harmonizing and promoting *Sarcocystis* surveillance and diagnosis across Europe and beyond (SarCOST)

Selene Rubiola, SarCOST Network

4. Assessment of the prevalence of *Toxoplasma gondii* in meat juice samples from wild boars in Greece

Isaia Symeonidou, Luca Villa, Thomai Lazou, Nikolaos Solomakos, Zoi-Stamatia Bellou, Maria Teresa Manfredi, Elias Papadopoulos

SESSION 2. IMMUNOLOGY AND VACCINATION

Chairpersons: Virginia Marugan-Hernandez (Royal Veterinary College); Luis Ortega Mora (Complutense University of Madrid)

11.00-11.30 Keynote

Porcine coccidiosis: from pigs to culture to vaccine development

Prof. Anja Joachim (Institute of Parasitology, University of Veterinary Medicine, Vienna, Austria)

11.30-13.00 Oral communications

1. Cattle cryptosporidiosis in Italian dairy farms

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

2. Ovine toxoplasmosis: early peripheral immune response and haemodynamic changes in a late-abortion sheep model

Victoria Pérez Rojo, Noive Arteché Villasol, Ignacio Fernández, María Gutiérrez, Marta Silva, Miguel Criado, Pedro Mendivil, Roberto Sánchez-Sánchez, Luis Miguel Ortega Mora, Rafael Calero-Bernal, Julio Benavides, Daniel Gutiérrez Expósito

3. Field trial evaluation of a commercial subunit vaccine against bovine cryptosporidiosis in dairy sheep

Gema Álvarez García, Javier regidor-Cerrillo, Jesús Matilla Matilla, José Luis González Bernardo, Laura Elvira, Esther Collantes Fernández, Ignacio Ferre, Geert Vertenten, Luis Miguel Ortega-Mora

4. Type II and III *Toxoplasma gondii* strains induce a significant host species specific reprogramming of ovine and human macrophages

Yanina P. Hecker, Montserrat Coronado, Roberto Sánchez-Sánchez, David ArranzSolís, Javier Moreno-Gonzalo, Rafael Calero-Bernal, Gema Álvarez-García, Luis M. Ortega-Mora

5. A mucosal subunit vaccine against *Besnoitia besnoiti* induces humoral and cellular immune responses in mice

Jalil Maiguashca Sanchez, Mathieu Epardaud, Isabelle Dimier-Poisson, Nathalie Moiré, Françoise Debierre-Grockiego

6. Antigens and hybrid vaccines: a novel approach against tropical theileriosis

Heycan Berk Aydin, Hakan Kanlioğlu, Metin Pekağırbaş, Selin Hacilarlioğlu, Moez Mhadhbi, Mohamed Aziz Darghouth, Serkan Bakirci, Tülin Karagenç, Hüseyin Bilgin Bilgiç

7. Translationally controlled tumor protein is a conserved immunomodulator and vaccine candidate in *Babesia bovis* and *Babesia bigemina*

Juan Mosqueda, Chyntia Quetzalli Pérez-Almeida, Gahel Montiel, Valeria de la Cruz-González, Edwin Esaú Hernández-Arvizu, José Rodrigo Morales-García, Diego Josimar Hernández-Silva, Mariana Amaro-Ibarra, Elizabeth Jacqueline Castañeda-Ortiz, Mayra Mirelle Becerra-Reyes, Masahito Asada, Shin-ichiro Kawazu, Minerva Camacho-Nuez

SESSION 3. PARASITE EVOLUTION, BIODIVERSITY, AND POPULATION GENETICS

Chairpersons: Selene Rubiola (University of Turin); Radu Blaga (Ecole Nationale Vétérinaire d'Alfort)

14.00-14.30 Keynote

Evolutionary genomics of the intestinal pathogen *Cryptosporidium parvum*

Dr. Simone Cacciò (Department of Infectious Diseases, National Institute of Health, Rome, Italy)

14.30-16.00 Oral communications

1. Mechanistic insights into benzoxaborole activity against *Cryptosporidium parvum*: CPSF3 targeting genetically validated for AN3661, with implications for resistance

Janine Wenker, Laurence Braun, Christopher Swale, Axel Gouin, Julien Pichon, Laura Sedano, Thomas Baty, Irina Dobrescu, Marco Lalle, Mohamed-Ali Hakimi, Alexandre Bougdour, Fabrice Laurent

2. Characterization of secreted *Theileria annulata* effector protein Ta9
Shahin Tajeri, Gordon Langsley, Ard M. Nijhof

3. Unravelling the occurrence of *Sarcocystis* species in South African meatproducing animals: a multi-provincial molecular approach

Okuhle N Sekujika, Emily P Mitchell, Linmarie de Klerk-Lorist, Pierre Dorny, Sarah Gabriël, Luis Neves, Darshana Morar-Leather

4. Divergent survival strategies of *Toxoplasma gondii* Type II and III strain in ovine macrophages

Yanina P. Hecker, Montserrat Coronado, Roberto Sánchez-Sánchez, David ArranzSolís, Javier Moreno-Gonzalo, Rafael Calero-Bernal, Gema Álvarez-García, Luis M. Ortega-Mora

5. Epigenetic rewiring of immune genes in bovine B lymphocytes transformed by *Theileria* parasites

Marisol Giacomini, Aristeidis Panagiotou, Steve G. Odette, Magali Hen-
nion, Michel Wassef, Raphael Margueron, Jonathan B. Weitzman

6. Bioluminescent *Eimeria tenella* in vitro assay for quantitative antic-
occidial drug screening

Martina Felici, Callum de Hoest-Thompson, Benedetta Tugnoli, Ester
Grilli, Virginia Marugan-Hernandez

7. Longitudinal monitoring of *Eimeria* oocyst shedding and morphologi-
cal species identification in goat kids from northern Italy

Carolina Allievi, Valentina Boselli, Erika Donato, Alessandro Zanon, Gio-
vanni Bailo, Stefano Giovenzana, Estefania Ledesma Velasquez, Maria
Teresa Manfredi

Session 4. DIAGNOSIS, BIOSAFETY, AND CONTROL STRATEGIES

Chairpersons: Kayode K. Ojo (University of Washington); Franz Katzer (Moredun Re-
search Institute)

16.30-17.00 Keynote

Early detection of coccidiosis in broiler chickens: sensor-based
approaches for monitoring enteric dysbiosis

Prof. Valentina Ferrante (Department of Environmental Science and
Policy, University of Milan, Italy)

17.00-18.30 Oral communications

1. *Hammondia heydorni* in dogs: diagnosis, frequency and
reassessment of its pathogenic potential

Walter Basso, Gastón Moré, Diana Gliga, Laureen Peters, Alexandra Schla-
chet, Bérénice Lutz, Caroline F. Frey

2. Predicting early *Toxoplasma gondii* infection and associated fetal loss in sheep through biomarker profiling and machine learning approach

Natalia Velasco-Jiménez, Roberto Sánchez-Sánchez, Ana Huertas-López, Camila Peres-Rubio, Francisco Huertas-López, Julio Benavides, Daniel Gutiérrez-Expósito, José Joaquín Cerón, Pilar Horcajo, Rafael Calero-Bernal, Luis Miguel Ortega-Mora

3. Bumped Kinase Inhibitor 1708 for cryptosporidiosis

Wesley C. Van Voorhis, Ryan Choi, Matthew A. Hulverson, Kayode K. Ojo, Erkang Fan, Andrew Hemphill, Deborah A. Schaefer, Michael W. Riggs

4. An integrated monitoring and control programme for *Cryptosporidium* in livestock in Southern Italy

Paola Pepe, Antonio Bosco, Sofia Costa, Emanuele Bove, Emanuele Bambacaro, Nicola Lattero, Antonio Leone, Raffaella Blasi, Giuseppe Grande, Francescantonio D'Orilia, Marco Esposito, Orlando Paciello, Laura Rinaldi

5. Is the treatment of diarrhoeic calves with paromomycin sulphate, at the height of *Cryptosporidium parvum* infection, safe and effective?

Cliff Ramage, David Reddick, Paul M. Bartley, Rui Lopes, Frank Katzer

6. Recombinant Bd37 ELISA for the serological detection of *Babesia divergens* in cattle

Principia Formisano, Sally Mavin, Claire L. Alexander, Paul M. Bartley, Brian R. Shiels, William Weir, Frank Katzer

7. *Theileria* spp. as cause of miscarriage in horses and cattles in Eastern Sicily, Ragusa.

Valentina Cumbo, Francesco Antoci, Valeria Blanda, Santina Di Bella, Annalisa Guercio, Cristina Passalacqua, Francesca Di Gaudio

SESSION 5. MOLECULAR AND CELLULAR BIOLOGY

Chairpersons: David Arranz Solis (Complutense University of Madrid); Gereon Schares (Friedrich Loeffler Institute)

8.30-9.00 Keynote

Apicomplexan parasites in farm animals: the adaptive potential of survival artists

Prof. Andrew Hemphill (Department of Infectious Diseases and Pathobiology, University of Bern, Switzerland)

9.00-10.30 Oral communications

1. Neosporian rhapsody: efficacy and molecular targets of the novel 3-position biaryl endochin-like quinolone ELQ-685

Yelyzaveta Nahorna, Joachim Müller, Katherine M. Liebman, Michael K. Riscoe, J. Stone Doggett, Andrew Hemphill

2. Placental transcriptomics reveals gestation-dependent responses to *Neospora caninum* infection in cattle

Sandra Montaner-Da Torre, Montserrat Coronado, Roberto Sánchez-Sánchez, Javier Moreno-Gonzalo, Javier Blanco-Murcia, Iván Pastor-Fernández, Luis Miguel Ortega-Mora, Pilar Horcajo, Esther Collantes-Fernández

3. FACS-based CRISPR screen identifies GBP7 as an essential effector of interferon gamma mediated anti-*Toxoplasma* responses in pig cells

Marzuq A. Ungogo, Anna Raper, Christine Tait-Burkard, Tom Burdon, Finn Grey, and Musa A. Hassan

4. BKI-1708 multitarget affinity and baryzoite formation in *Toxoplasma gondii*, *Neospora caninum* and *Besnoitia besnoiti*

Maria Cristina Sousa, Joachim Müller, Kai Hänggeli, Manfred Heller, Anne-Christine Uldry, Sophie Braga-Lagache, Alexandre Leitão, Luis-Miguel OrtegaMora, Wesley Van Voorhis, Andrew Hemphill

5. Deciphering the virulome of *Theileria parva* through comparative transcriptomic profiling

Linchay Daniels, Kgomotso Sibeko-Matjila

6. Characterisation of novel secreted effectors of *Theileria annulata*

Jeremy Berthelet, Jonathan B Weitzman

7. Molecular detection and characterization of *Cryptosporidium* spp. at the cattle–water interface in Lombardy

Chiara Stocchero, Alessandra Cafiso, Carolina Allievi, Susanna Adelaide Sechi, Alessandro Zanon, Erika Donato, Chiara Bazzocchi, Maria Teresa Manfredi

SESSION 6. HOST-PARASITE INTERACTIONS, PATHOGENESIS AND EXPERIMENTAL MODELS

Chairpersons: Alessia L. Gazzonis (University of Milan); Walter Basso (University of Bern)

11.00-11.30 Keynote

Exploring host-pathogen interactions for the identification of biomarkers in apicomplexan cyst-forming parasitic infections in ruminants

Prof. Gema Alvarez Garcia (Department of Animal Health, Complutense University of Madrid, Spain)

11.30-13.00 Oral communications

1. Transcriptomic signatures of bovine placental cells reveal cell type-specific responses to *Neospora caninum*

Sandra Montaner-Da Torre, Montserrat Coronado, Rafael Amieva, Christiane Pfarrer, Luis Miguel Ortega-Mora, Esther Collantes-Fernández, Pilar Horcajo

2. Comparative in vitro characterization of *Toxoplasma gondii* lytic cycle in ovine and bovine placental cells

Roberto Sánchez-Sánchez, Yanina Paola Hecker, David Arranz-Solís,
Kevin BurbanoEspin, Christiane Pfarrer, Luis Miquel Ortega-Mora

3. Loss-of-function screening in IFN- γ -stimulated MDBK cells identifies ISGs controlling *Neospora caninum* infection

Rafael Amieva, Sandra Montaner-Da Torre, Jessica Powell, Marzuq Ungogo, Pilar Horcajo, Esther Collantes-Fernández, Luis Miguel Ortega-Mora, Musa A. Hassan

4. New feline cellular models to study interactions between *Toxoplasma gondii* and its definitive host at the intestinal level

Julie Rouzet, Marine Le Dudal, Patrick Verwaerde, H  l  ne Huet, Sophie
Ch  teau-Joubert, Sandra Thoumire, Julia Andersson, Eva Tyden, Radu
Blaga, Delphine Le Roux

5. Exploring the contribution of GRA15 and GRA24 to congenital toxoplasmosis

David Arranz-Solís, Kai P.A. Hänggeli, Roberto Sánchez-Sánchez, Yanina Paola Hecker, Debanjan Mukhopadhyay, Andrew Hemphill, Jeroen P.J. Saeij, Luis Miquel Ortega-Mora

6. Differences in oocyst shedding profiles of neonatal calves and lambs experimentally infected with *Cryptosporidium parvum*

Paul M Bartley, Frank Katzer

7. A galectin-like protein links introgression to 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

SESSION 7. EPIDEMIOLOGY, INFECTION MODELLING AND ECONOMIC IMPACT

Chairpersons: Solange Gennari (University of São Paulo); Maria Teresa Manfredi (University of Milan)

14.00-14.30 Keynote

Toxoplasmosis in farm animals: myth or reality?

Prof. Laura Rinaldi (Department of Veterinary Medicine and Animal Production, University of Naples Federico II, Italy)

14.30-16.00 Oral communications

1. Practical observations on the application of the Bovilis Cryptium vaccine to control *Cryptosporidium* spp. infection in neonatal calves

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

2. *Cryptosporidium* in calves: in-depth epidemiology in three dairy herds

Rosalina Molberg Rotovnik, Anne Wolter Meine, Ida Kjær Heegaard, Sabine van den Hengel, Nicole Bakkegård Goecke, Rune Stensvold, Henrik Vedel Nielsen, Heidi Larsen Enemark, Helena Mejer

3. Field control and apparent eradication of bovine besnoitiosis in an Italian beef cow-calf herd through a test-and-segregate strategy

Alessia Libera Gazzonis, Riccardo Zanchetta, Francesca Daghetta, Giulia Morganti, Vincenzo Veneziano

4. New molecular insights into tick-borne piroplasms in Croatia: first detection of *Babesia occultans* and occurrence of *Babesia* sp. "tavsan" in ticks from domestic animals

Daria Jurković Žilić, Ema Gagović, Nika Konstantinović, Antun Kostelić, Relja Beck

5. Prevalence and genotypes of *Toxoplasma gondii* in marine mammals of France

Sandra Thoumire, Willy Dabin, Fabien Demaret, Ombeline Girard, Madeleine Lausted, Anca Varna Dos Santos, Isabelle Villena, Delphine Le Roux, Karine Passebosc-Faure, Aurélien Mercier, Radu Blaga

6. *Toxoplasma gondii* DNA detection in commercial equine milk in Italy

Federica Marcer, Cinzia Tessarin, Lorenzo Padovan, Erica Marchiori, Alda Natale, Leonardo Alberghini

POSTERS

- P1. **Transcriptomic changes in the placentome following vaccination in ovine toxoplasmosis**
Marta Silva Samos, Aroa Suárez Vega, Victoria Pérez Rojo, Roberto Sánchez-Sánchez, Luis Miguel Ortega Mora, Julio Benavides, Ignacio Fernández, Daniel Gutiérrez Expósito
- P2. **Conserved *Babesia* B-cell epitopes induce cross-reactive and neutralizing antibodies across multiple piroplasm species**
Juan Mosqueda, Cristina Guerrero-Molina, Ana Laura Luna-Rodriguez, Minerva Camacho-Nuez, Masahito Asada, Naoaki Yokoyama, Xuenan Xuan, Shin-Ichiro Kawazu
- P3. ***Sarcocystis* diversity and host associations in wild and domestic Caprinae: insights from Alpine ibex and chamois**
Eglė Rudaitytė-Lukošienė, Steffen Rehbein, Rafael Calero-Bernal, Dalius Butkauskas, Petras Prakas
- P4. **Updates on the hard ticks infesting cattle and their associated tick-borne pathogens in southern Italy**
Lavinia Ciuca, Rua Khogali, Ortensia Montella, Vincenzo Veneziano, Laura Rinaldi
- P5. **Genetic diversity and population structure analysis of the *Babesia bovis* merozoite Surface Antigen 1 (MSA-1) gene in South African cattle isolates from field and clinical samples**
Thandikhaya Bambeni, Leonhard Schnittger, Raksha Vasantraai Bhoora
- P6. **Serological analysis of Canadian muskoxen revealed false-positive reactions in a commercial multi-species *Toxoplasma* ELISA when testing *Besnoitia*-positive sera**
Gereon R.M. Schares, Martina Abs, Joëlle Taillon, Benjamin Jakobek, Vincent Brodeur, Rachel Guindon, Susan Pyakurel, Steeve D. Côté, Stéphane Lair

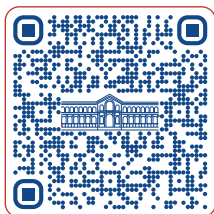
- P7. Gross lesions associated with *Sarcocystis hominis* and *Sarcocystis cruzi* leading to the condemnation of a bovine carcass at an Italian abattoir
Selene Rubiola, Stefano Bagatella, Edoardo Buffa, Sara Crimi, Gastón Moré, Walter Basso, Andrew Hemphill, Maria Teresa Capucchio, Francesco Chiesa
- P8. Field evaluation of four commercial ELISA kits for bovine besnoitiosis diagnosis using latent class model
Thibaut Lurier, Fanny Martin, Laureline Rivière, Isabelle Vallee, Fabien Corbière, Najat Raddi
- P9. Occurrence and diversity of *Sarcocystis* parasites in wild boars (*Sus scrofa*) in Lithuania
Asta Bylaitė, Naglis Gudiškis, Dalius Butkauskas, Petras Prakas
- P10. Managing coccidiosis in Danish pig herds – Insights from farmers and veterinarians
Rosalina Molberg Rotovnik, Julia Rybachok, Marie-Louise Elisabeth L. Hansen, Helena Mejer
- P11. Development of a multiplex digital PCR assay for the detection of *Babesia canis*, *Babesia vogeli* and *Babesia gibsoni*
Maria Paola Maurelli, Maria Ortensia Montella, Lavinia Ciuca, Bruno Vinicios Silva de Araújo, Laura Rinaldi
- P12. Seroprevalence and associated risk factors for *Toxoplasma gondii* infection of goats and sheep in the Khomas region of Namibia
Tshepo Matjila, Alaster Samkange, Simba Chitanga, Luis Neves
- P13. Uncovering *Sarcocystis* infections in sheep in Lithuania using qPCR
Naglis Gudiškis, Petras Prakas, Eglė Rudaitytė-Lukošienė, Živilė Strazdaitė-Žielienė, Dalius Butkauskas, Donatas Šneideris
- P14. Targeting the heme biosynthesis pathway for anticoccidial drug discovery against *Eimeria tenella*
Diego A. Guerra-Arias, Virginia Marugan-Hernandez, José M. Pérez-Victoria

- P15. Epigenetic reprogramming of host B lymphocytes upon infection by *Theileria annulata*
Steve G. Odette, Jonathan B. Weitzman
- P16. The role of *Theileria annulata* proteins in modifying host cell replication and DNA repair
Siri Speck, Arunasalam Naguleswaran, Kerry Woods, Manfred Heller, Noah Squaratti, Lea Anna Hiller, Sven Rottenberg
- P17. Temporal dynamics of the maternal immune response to *Neospora caninum* infection during late gestation
Sandra Montaner-Da Torre, Montserrat Coronado, Luis Miguel Ortega-Mora, Esther Collantes-Fernández, Pilar Horcajo
- P18. Bovine fetal immune response transcriptomic profile in third-term congenital neosporosis
Sandra Montaner-Da Torre, Rafael Amieva, Montserrat Coronado, Luis Miguel Ortega-Mora, Pilar Horcajo, Esther Collantes-Fernández
- P19. NIDP2: a *Theileria annulata* effector protein that targets host cohesin to drive cancer-like transformation
Noah Squaratti, Kelly Woods, Arunasalam Naguleswaran, Lea Anna Hiller, Siri Speck, P. Olias, Sven Rottenberg
- P20. Tissue-specific host gene expression dynamics during early *Toxoplasma gondii* infection in pregnant sheep
Montserrat Coronado, Roberto Sánchez-Sánchez, Armando Reyes-Palomares, Natalia Velasco-Jiménez, Daniel Gutiérrez-Expósito, Luis Miguel Ortega-Mora, Pilar Horcajo
- P21. Systematic *in vitro* and *in vivo* evaluation of phenotypic traits in Type II *Toxoplasma gondii* isolates evidences a lack of virulence predictability
Alba Sastre-González, Martha Ynés Salas-Fajardo, Gereon Schares, Gema ÁlvarezGarcía, Luis Miguel Ortega-Mora, Rafael Calero-Bernal

- P22. **Understanding the mechanism of *Theileria annulata* infection**
Lea Anna Hiller, Arunasalam Naguleswaran, Kerry Woods, Manfred Heller, Noah Squaratti, Siri Speck, Sven Rottenberg
- P23. **Evaluation of anticoccidial potential of purified muricatocin C from *Annona muricata* against *Eimeria tenella***
Innocent Onyesom, Pere-Ebi Yabrade Toloyai, Jennifer Alex-Igoru, Joy Onye-wonuwa Acha, Gabriel Nduka Enudinisu
- P24. **Brain and tissue distribution of *Toxoplasma gondii* in pigs: tissue tropism of the ME49 (Type II) strain**
Ana Paula Molinari Candeias, Ana Clécia dos Santos Silva, Caroline Perucelo Constante, Rafaela Maria Bolson Jurkevicz, Ana Carolina Cavallieri, João Pedro Sasse, Beatriz de Souza Lima Nino, Fernando Pietrini Soufen, Fernando de Souza Rodrigues, Luiz Daniel de Barros, João Luís Garcia
- P25. **Phenotypic and transcriptomic characterization of selected non-archetypal *Toxoplasma gondii* isolates show a high degree of variability**
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