



30th Conference of the World Association for
the Advancement of Veterinary Parasitology

CURITIBA 2025

CONFERENCE PROGRAM

30th | CURITIBA 2025

August 17th - 21st 2025



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Fala do Presidente

President's Speech



Dr. Marcelo Molento

President's of 30th WAAVP

Dear distinguished participants, old and new,

As the Chair of the LOC of the **30th WAAVP** conference, I'm thrilled to welcome you to this traditional scientific meeting. This conference is more than just an event; it's a celebration of knowledge, collaboration, and the power of community, focusing on a healthy world for everyone. There are people from all corners of the globe who share ideas, insights, and innovations that will shape our research groups, the industry, and possibly your future. Over the next few days, you will have the opportunity to engage with some of the most influential researchers and professors, participate in exciting discussions, and network with a large group of professionals who share your passion for parasitology and related fields. Stick to them, ask for a picture, and don't lose time!

Fire up! I urge you to take full advantage of the sessions, symposia, and networking opportunities, featuring a great lineup of people – they are all here, in front of you! Let's inspire one another, challenge our thinking, and create new possibilities. Explore the exhibition hall where industry leaders and innovators will showcase their latest products and services. Our social events are another fantastic way to unwind, meet new people, and enjoy some entertainment while fostering connections in a relaxed subtropical atmosphere. I can tell you from my own experience that building relationships is a key aspect of this conference, and I encourage you to engage with others and share your experiences. In a nutshell, we are here for the science, for the challenge, and the fun!

Once again, welcome to the **WAAVP Curitiba 2025!** Let's make this an extraordinary, friendly, and respectful experience. Thank you all for being here!

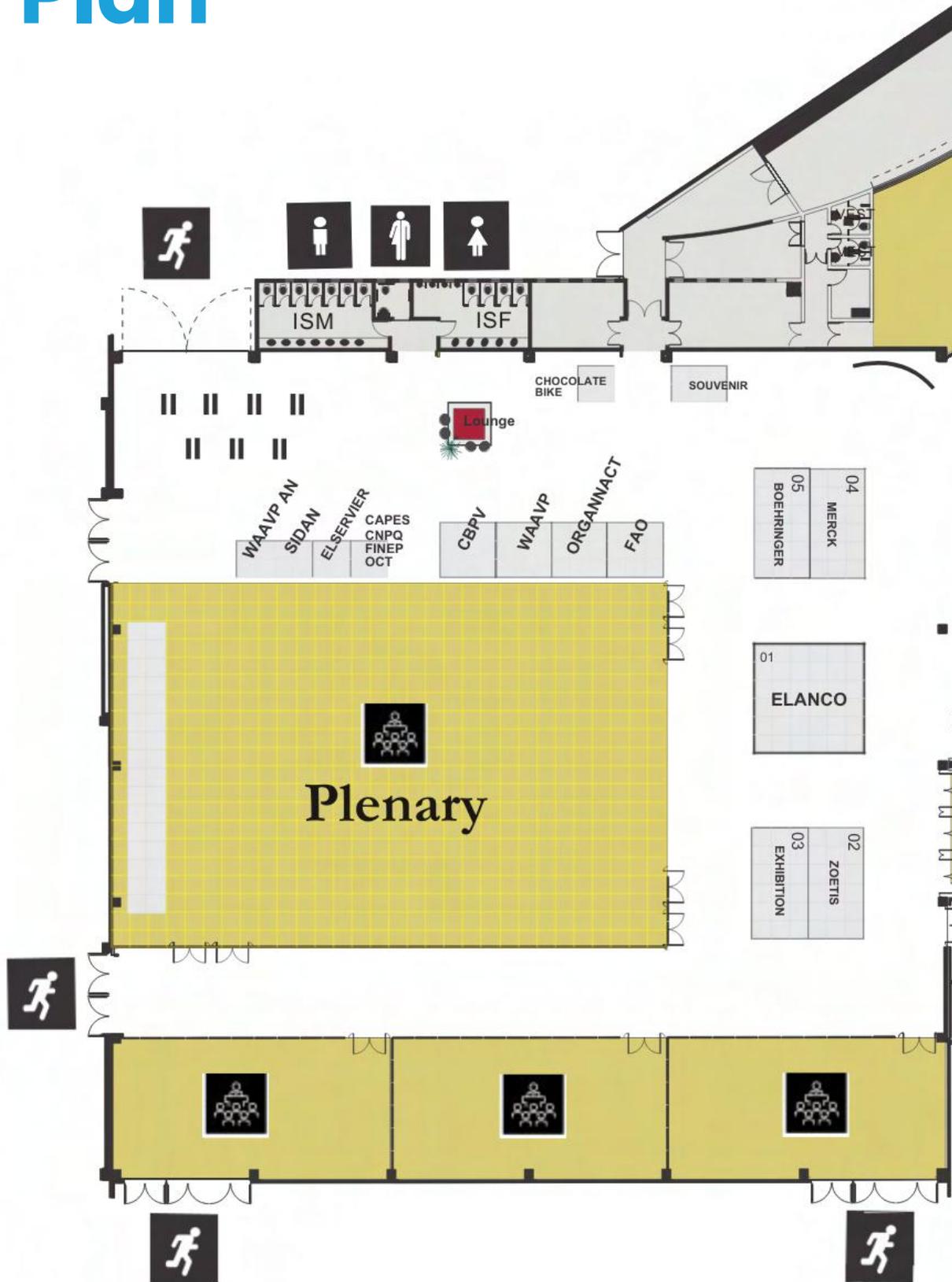
Warm regards.



Dr. Marcelo Molento

Planta Baixa

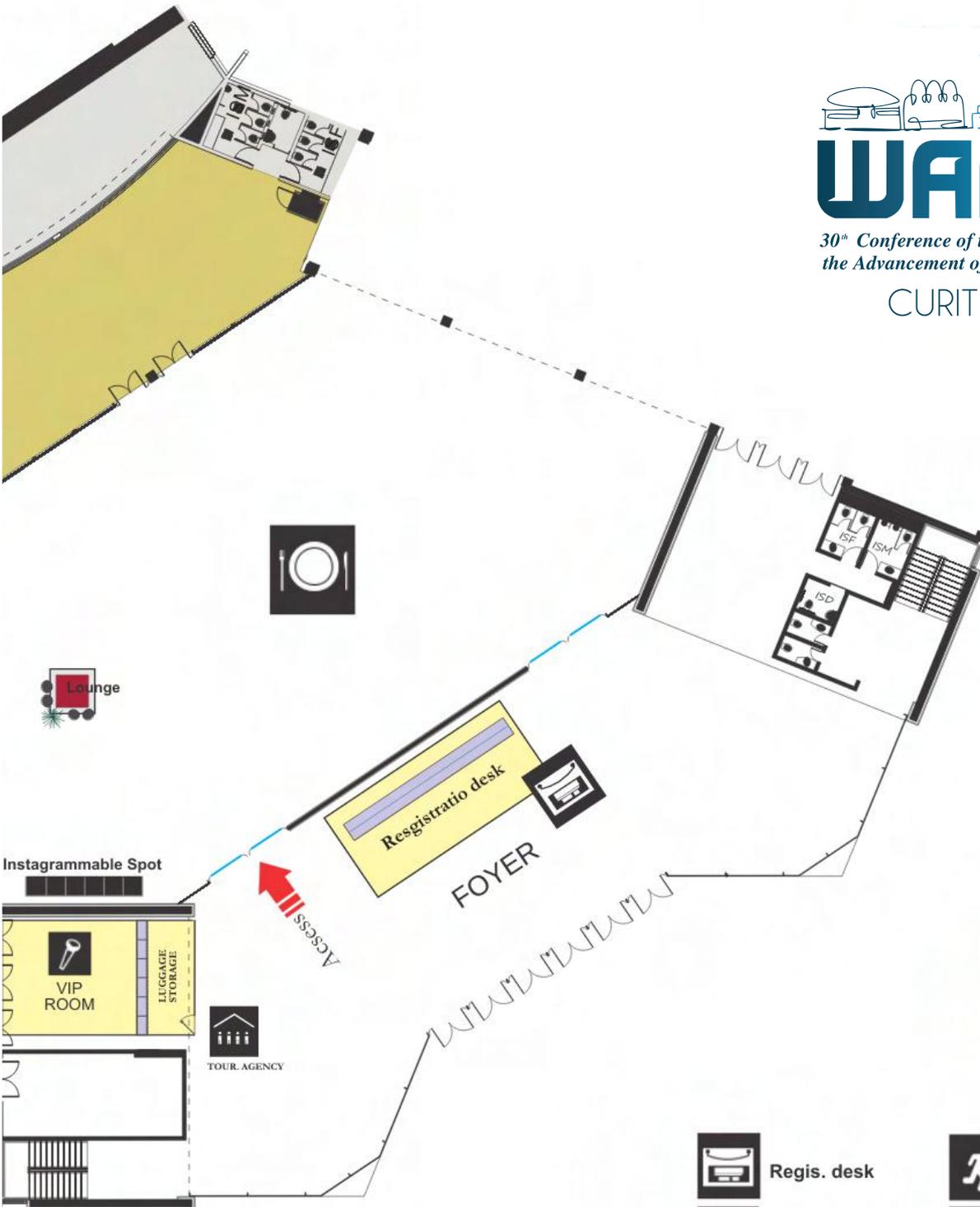
Floor Plan





30th Conference of the World Association for the Advancement of Veterinary Parasitology

CURITIBA 2025



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Sunday, 17th

Schedule

Time	Opening Ceremony
<p>6:00 pm 10:00 pm</p>	<p>The WAAVP 2025 Opening Ceremony will be a special evening of welcome and celebration. We will have the honor of hosting local authorities who will formally greet all participants of the congress.</p> <p>The program will feature a traditional artistic performance, offering attendees an authentic glimpse into the vibrant culture of Paraná. We will then be inspired by a keynote presentation from the distinguished scientists Roger Prichard and Carlos Lanusse, both prominent figures in the field of veterinary parasitology.</p> <p>To close the evening, all guests are invited to a welcome cocktail in the exhibition area, accompanied by live music from a local band — a perfect setting for networking, reconnecting, and beginning an unforgettable congress experience.</p>

Enjoy the official WAAVP 2025 Party!

BUY YOUR TICKET NOW!

August 19th - 07:00 pm

Venue: Ópera de Arame



Monday, 18th

Schedule

Sala Porã Porã Room

Time	Porã Room
10:00 am 10:30 am	COFFEE BREAK
10:30 am 12:00 pm	<p><i>Symposium</i></p> <p>Antiparasitics Guidelines - Limitations and Future directions</p> <p>Session Chair: Silvina Fernandez (UNCPBA, CIVETAN, Tandil, Argentina)</p>
12:00 pm 1:00 pm	LUNCH + POSTERS
2:00 pm 3:30 pm	<p><i>Liver Fluke Symposium</i></p> <p>Towards Precision Parasite Control - In the Lab</p> <p>Session Chairs: Nichola E. D. Calvani (The University of Sydney, Australia) and Marcelo Molento (Federal University of Paraná, Brazil)</p>
3:30 pm 4:00 pm	COFFEE BREAK + POSTERS
4:00 pm 5:30 pm	<p><i>Liver Fluke Symposium</i></p> <p>Towards Precision Parasite Control - In the Field</p> <p>Session Chairs: Grace Mulcahy (University College Dublin, Ireland) and Javier González-Miguel (Institute of Natural Resources and Agrobiology of Salamanca, Spain)</p>

Talks Sala Porã

Talks Porã Room

10:30 am - 12:00 pm

- Talk 01** **Objectives and process of developing the WAAVP Guidelines**
Speaker: Silvina Fernandez (UNCPBA, CIVETAN, Tandil, Argentina)
- Talk 02** **Companion Animal Guidelines: What we have and what we need**
Speakers: Anja Joachim (University of Veterinary Medicine, Austria) and Angela Di Cesare (University of Teramo, Italy)
- Talk 03** **Implementing the new WAAVP FECRT Guidelines: From principles to practical application**
Speaker: Martin Nielsen (Aarhus University, Denmark)

Questions and Answers

2:00 pm - 3:30 pm

- Keynote** **Progress in Liver Fluke Vaccine Development: From Lab to Field**
Speaker: Elora Valderas García (University of León, Spain)
- Talk 01** **Native and recombinant vaccine efficacy against *Fasciola hepatica* in small ruminants**
Speaker: Amanda McEvoy (Teagasc, Ireland)
- Talk 02** **Development of a qPCR assay and a "Tremabiome" deep amplicon sequencing for fluke species differentiation in the UK livestock**
Speaker: Umer N Chaudhry (Long Island University College of Veterinary Medicine, USA)
- Talk 03** **Phenotyping *Fasciola hepatica* populations for albendazole sensitivity by in vitro egg hatch test**
Speaker: Jane Hodgkinson (University of Liverpool, UK)
- Talk 04** ***Fasciola hepatica* exploits the host fibrinolytic system to facilitate trans-intestinal migration**
Speaker: Javier González-Miguel (Institute of Natural Resources and Agrobiology of Salamanca, Spain)
- Talk 05** **Uncovering the adult *Fasciola hepatica* glycoproteome: Distinct N- and O-glycan features of the mature stage**
Speaker: Carolina De Marco Verissimo (University of Galway, Ireland)

4:00 pm - 5:30 pm

- Keynote** **Fascioliasis in Peru: Current Status with a One Health Approach**
Speaker: Pedro Luis Ortiz Oblitas (Universidad Nacional de Cajamarca, Peru)

- Talk 01** ***Fasciola hepatica* in sheep in the United States: a prevalence survey suggests expansion of the range to the Great Lakes region**
Speaker: Adriano Vatta (Louisiana State University, USA)
- Talk 02** **Working towards the implementation of a *Fasciola hepatica* prediction tool for Dutch dairy farms**
Speaker: Lonneke Nijhuis (Utrecht University, Netherlands)
- Talk 03** **Beyond Suspicion: Confirming the prevalence and occurrence of drug-resistant *Fasciola hepatica* in sheep, goats and cattle in the Southern Tablelands of NSW, Australia**
Speaker: Hayley Martinez DeCristi (The University of Sydney, Australia)
- Talk 04** **Mapping the discrepancy between farmer perception of liver fluke infection risk areas and actual *G. truncatula* habitats**
Speaker: Rhys Jones (Aberystwyth University, UK)
- Talk 05** **Co-designing national research priorities for fasciolosis: Lessons from Australia**
Speaker: Nichola Eliza Davies Calvani (The University of Sydney, Australia)

Sala Macaxeira

Macaxeira Room

Time	Macaxeira Room
10:00 am - 10:30 am	COFFEE BREAK
10:30 am - 12:00 pm	<i>Oral Communication</i> Molecular and Microbiome-Based Approaches for Tick Control Session Chair: Patricia Gôlo (Federal Rural University of Rio de Janeiro, Brazil)
12:00 pm - 1:00 pm	LUNCH + POSTERS
2:00 pm - 3:30 pm	<i>Oral Communication</i> Innovative Strategies and Molecular Targets for the Development of Anti-Tick Vaccines Session Chair: Naftaly Githaka (International Livestock Research Institute- ILRI, Kenya)
3:30 pm - 4:00 pm	COFFEE BREAK + POSTERS
4:00 pm - 5:30 pm	<i>Round Table</i> Best Practices and Innovation in Cattle Tick Control Session Chair: Shyma Kunhipurayil (Bihar Animal Sciences University, India)

Talks Sala Macaxeira

Talks Macaxeira Room

10:30 am - 12:00 pm

- Talk 01** **Exploring bacterial microbiota and immune system in *Amblyomma* sp. ticks: implications for rickettsial acquisition and tick fitness**
Speaker: Solange Cristina Antao (University of São Paulo, Brazil)
- Talk 02** **Investigations on the microbiome of *Rhipicephalus australis***
Speaker: Bahar E Mustafa (The University of Melbourne, Australia)
- Talk 03** **Immunogenic properties of trypsin inhibitor-like (TIL) from *Rhipicephalus microplus* and their peptide derivatives as vaccine candidates against ticks**
Speaker: Muhammad Numan (Federal University of Rio Grande do Sul, Brazil)
- Talk 04** **Characterization of the core bacterial community of *Rhipicephalus microplus* from Brazil**
Speaker: Isabella Barboza de Almeida (Biological Institute)
- Talk 05** **Exploring miRNA functions in the salivary glands of the soft tick *Ornithodoros moubata***
Speaker: Ana Laura Cano Argüelles (Institute for Natural Resources and Agrobiology of Salamanca, Spain)
- Talk 06** **Expanding knowledge of the Bm05br protein as an *anti-Rhipicephalus linnaei* and *R. microplus* antigen**
Speaker: Arlex Rodríguez Durán (Federal University of Rio Grande do Sul, Brazil)

2:00 pm - 3:30 pm

- Talk 01** **Experimental refinements in *Rhipicephalus microplus* challenge models to support anti-tick vaccine development**
Speaker: Alec Lewis Evans (GALVmed Nairobi, Kenya)
- Talk 02** **Development and validation of a *Rhipicephalus microplus* challenge model specifically for use to evaluate anti-tick vaccines in cattle**
Speaker: Julian Edmund Liebenberg (Clinvet, South Africa)
- Talk 03** **A novel recombinant Australian cattle tick vaccine**
Speaker: Alicja Elzbieta Tabor (The University of Queensland, Australia)
- Talk 04** ***Rhipicephalus microplus* voraxin-alpha contains B-cell epitopes that reduce ticks' biological fitness in immunized cattle**
Speaker: Juan Mosqueda (Universidad Autonoma de Queretaro, Mexico)

- Talk 05** **Characterization of Scoloptoxin SSD14, Inositol monophosphatase and Neprilysin as anti-tick vaccines**
Speaker: Shafi Ullah (Federal University of Rio Grande do Sul, Brazil)
- Talk 06** **Biological Control of One-Host-Ticks by Anti-Tick Bm86 Immunomodulator**
Speaker: Suman M Mahan (Veterinary Medicine Research & Development, Zoetis, United States)

4:00 pm - 5:30 pm

- Talk 01** **Innovative Pharmacological Approaches to cattle tick Control**
Speaker: Adrian Lifschitz (UNCPBA, CIVETAN, Tandil, Argentina)
- Talk 02** **From Lab to Field: Bioassays as Decision-Making Tools for Acaricide Application**
Speaker: Guilherme Klafke (IPVDF, Brazil)
- Talk 03** **Protecting the innovation: Integrated control strategies that can delay the emergence of acaricide resistance in cattle ticks**
Speaker: Nicholas Jonsson (University of Glasgow, UK)

Plenária Ararê

Ararê Plenary

Time	Ararê Plenary
9:00 am 10:00 am	<p><i>Plenary Session</i></p> <p>How can genomics/transcriptomics help solve real world problems?</p> <p>Session Chair: John Gilleard (University of Calgary, Canada) Speaker: Stephen Doyle (Wellcome Sanger Institute, UK)</p>
10:00 am 10:30 am	COFFEE BREAK
10:30 am 12:00 pm	<p><i>Oral Communication</i></p> <p>One Health Perspectives on Parasites in Wildlife and Aquatic Environments</p> <p>Session chair: Jesús Alfredo Cortés-Vecino (National University of Colombia, Colombia)</p>
12:00 pm 1:00 pm	LUNCH + POSTERS

1:00 pm 2:00 pm	<p>Boehringer Ingelheim Symposium</p> <p>What do we know about the New World Screwworm (NWS) outbreaks in Central America and Mexico and what to expect?</p> <p>Session Chairs: Gustavo Sabatini (Boehringer Ingelheim Animal Health, GSM Ruminants), Camilo Lemos de Mendonca (Boehringer Ingelheim Animal Health, GSM Ruminants)</p>
2:00 pm 3:30 pm	<p>Oral Communication</p> <p>Leishmaniasis and Sand Fly: Epidemiology, Animal hosts, Vector Surveillance, and Control</p> <p>Session Chair: Smaragda Sotiraki (Hellenic Agricultural Organization, Greece)</p>
3:30 pm 4:00 pm	COFFEE BREAK + POSTERS
4:00 pm 5:30 pm	<p>Round Table</p> <p>Taxonomy and Phylogeny of Trypanosomatidae: Linking Diversity to Disease</p> <p>Session Chair: Marcos Rogério André (UNESP, Brazil)</p>
5:30 pm 6:00 pm	<p>WAAVP Talks</p> <p>Dirofilaria immitis et al., 2025</p> <p>Session Chair: Guilherme Verocai (Texas A&M, USA) Speaker: Norma Vollmer Labarthe (FIOCRUZ, Brazil)</p>

Talks Planária Ararê

Talks Ararê Plenary

10:30 am - 12:00 pm

- Talk 01** **Preliminary report on the prevalence of myxosporean parasite *Kudoa* spp. (Myxozoa: Multivalvulida) in fish for consumption from Portugal**
Speaker: Ana Maria Munhoz (Universidade Lusófona, Portugal)
- Talk 02** **Detection of zoonotic protozoa in free-ranging raccoons (*Procyon lotor*) from aquaculture zones in Saxony (Germany): A One Health perspective**
Speaker: Zoe Tess Lara Lindhorst (University of Veterinary Medicine Vienna, Austria)
- Talk 03** **Detection of *Neospora caninum* in South American Fur Seals (*Arctocephalus australis*) on the Southern Coast of Santa Catarina, Brazil**
Speaker: Ana Paula Remor Sebolt (Santa Catarina State University, Brazil)
- Talk 04** **Captive lemurs (*Lemur catta*) as hosts of *Leishmania infantum* and other zoonotic pathogens**
Speaker: Renata Fagundes Moreira (University of Bari "Aldo Moro", Italy)

- Talk 05** **Q fever in Brazil: evaluation of the exposure of small mammals to *Coxiella burnetii* in the state of São Paulo**
Speaker: Bruna Costa da Gama (University of São Paulo, Brazil)
- Talk 06** **Free-living xenarthrans mammals with high rates of vector-borne pathogens and zoonotic infections in Brazil**
Speaker: Nicolás Colácio (Federal University of Minas Gerais, Brazil)
- Talk 07** **Mechanisms of drug action and drug resistance in animal trypanosomiasis: Differences between *Trypanosoma* species**
Speaker: Harry De Koning (University of Glasgow, UK)

Questions and Answers

1:00 pm - 2:00 pm

- Talk 01** **NSW on the America continent**
Speaker: Thadeu Barros (Embrapa Beef Cattle, Brazil)
- Talk 02** **Reintroduction of the NSW in Mexico**
Speaker: Roger Ivan Rodríguez-Vivas (Autonomous University of Yucatan, Mexico)
- Talk 03** **Perspectives on NSW in the America continent**
Speakers: Roger Ivan Rodríguez-Vivas (Autonomous University of Yucatan, Mexico) and Thadeu Barros (Embrapa Beef Cattle, Brazil)

Discussion on the current and future situation of NWS in the America continent

2:00 pm - 3:30 pm

- Talk 01** **Phlebotomine sand fly surveillance across Europe and neighbouring countries in 2023 conducted within the CLIMOS project**
Speaker: Carla Alexandra Soares Maia (Universidade Nova de Lisboa, Portugal)
- Talk 02** ***Leishmania* vs *Sauroleishmania*: new perspectives in the control of leishmaniasis**
Speaker: Domenico Otranto (University of Bari, Italy)
- Talk 03** **Canine leishmaniasis in central and southern Tunisia: focus on different *Leishmania* species.**
Speaker: Gaetano Oliva (University of Naples Federico II, Italy)
- Talk 04** **Phlebotomine sand flies from Somalia: species diversity and distribution**
Speaker: Kassim Abdullahi Jimale (University of Bari, Italy)
- Talk 05** **Circulating immune complexes as biomarker in CanL: protein composition related to disease stage.**
Speaker: Jerónimo Carnés (LETI Pharma, Spain)

- Talk 06** **Evaluation of the impact of combination of LETIFEND® vaccine + SCALIBOR® collar on canine leishmaniosis prevalence in field condition**
Speaker: Gaetano Oliva (University of Naples Federico II, Italy)
- Talk 07** **Usefulness of volatile organic compounds for the repellence and attraction of arthropod vectors**
Speaker: Marcos Antonio Bezerra Santos (University of Bari, Italy)

Questions and Answers

4:00 pm - 5:30 pm

- Talk 01** **Diversity and phylogeny of trypanosomes**
Speaker: Daniella C. Bartholomeu (Federal University of Minas Gerais, Brazil)
- Talk 02** **Chagas disease in dogs**
Speaker: Sarah Hammer (Texas A&M University, USA)
- Talk 03** **Canine leishmaniasis in the Americas: from etiology to zoonotic importance**
Speaker: Filipe Dantas-Torres (FIOCRUZ, Brazil)

Sala Jaci Jaci Room

Time	Jaci Room
12:00 pm 13:00 pm	LUNCH + POSTERS
2:00 pm 3:30 pm	<p>Desafios e Expectativas Regulatórias em Estudos Clínicos com Antiparasitários Moderador: Fabio B. Scott (UFRRJ)</p> <p>Desafios e Expectativas Regulatórias em Estudos Clínicos com Antiparasitários: Visão dos Patrocinadores Palestrante: Luiz Carlos Monteiro Júnior (SINDAN)</p> <p>Desafios e Expectativas em bem estar animal em Estudos Clínicos com Antiparasitários: Visão do investigador Palestrante: Norma V. Labarthe (UFRRJ)</p> <p>Desafios e Expectativas Regulatórias em Estudos Clínicos com Antiparasitários: Visão do MAPA Palestrante: Leandro Barbieri de Carvalho (MAPA)</p>

3:30 pm
4:00 pm

COFFEE BREAK + POSTERS

4:00 pm
5:30 pm

Qualidade e Integração Científica em Estudos Clínicos com Antiparasitários

Moderador: Lívio M. Costa Júnior (UFMA)

Qualidade nos estudos clínicos para antiparasitários: A visão da Indústria

Palestrante: Gabriela Figueiredo Mura (SINDAN)

Perspectivas do Mapa para em estudos multicêntricos de antiparasitários no Brasil

Palestrante: Leonardo Viana de Almeida (MAPA)

Comissão Científica de Diretrizes para Avaliação de Antiparasitários do Colégio Brasileiro de Parasitologia Veterinária (CBPV)

Palestrante: Fabio B. Scott (UFRRJ)



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Tuesday, 19th

Schedule

Sala Porã

Porã Room

Time	Porã Room
10:00 am 10:30 am	COFFEE BREAK
10:30 am 12:00 pm	<p><i>Symposium</i></p> <p>TroCCAP-ESCCAP-CAPC-Joint Symposium Session chair: Filipe Dantas-Torres (FIOCRUZ, Brazil)</p>
12:00 pm 1:00 pm	LUNCH + POSTERS
2:00 pm 3:30 pm	<p><i>Oral Communication</i></p> <p>Animal leishmaniosis, by LeishVet and Brasileish Session chair: Filipe Dantas-Torres (FIOCRUZ, Brazil)</p>
3:30 pm 4:00 pm	COFFEE BREAK + POSTERS
4:00 pm 5:30 pm	<p><i>Round Table</i></p> <p>Prevention of zoonotic vector-borne pathogens affecting pet animals Session chair: Roger Ivan Rodríguez-Vivas (Autonomous University of Yucatan, Mexico)</p>

Talks Sala Porã

Talks Porã Room

10:30 am - 12:00 pm

- Talk 01** **Companion animal parasite control in the tropics**
Speaker: Filipe Dantas-Torres (FIOCRUZ, Brazil)
- Talk 02** **CAPC: Parasite control in the United States**
Speaker: Cassan N. Pulaski (University of Georgia, United States)
- Talk 03** **ESCCAP: Parasite control in Europe**
Speaker: Georg von Samson-Himmelstjerna (Freie Universität Berlin, Germany)

2:00 pm - 3:30 pm

- Talk 01** **Domestic dogs as sentinels for the epidemiological scenario: the example of Italy and Tunisia**
Speaker: Gaetano Oliva (University of Naples Federico II, Italy)
- Talk 02** **Animal leishmaniosis in Israel: A multispecies reality**
Speaker: Gad Baneth (The Hebrew University, Israel)
- Talk 03** **Non-vectorial transmission of *Leishmania infantum* and consequences: An example from France**
Speaker: Patrick Bourdreau (Nantes University, France)
- Talk 04** **New biomarkers in the diagnosis of canine leishmaniosis**
Speaker: Guadalupe Miró (Universidad Complutense de Madrid, Spain)
- Talk 05** **New approaches for treating canine leishmaniasis in Brazil**
Speaker: Leucio C. Alves (Federal Rural University of Pernambuco, Brazil)
- Talk 06** **Current situation of canine leishmaniosis in Argentina, Paraguay, and Uruguay**
Speaker: Octavio Estévez (Veterinaria del Oeste, Argentina)
- Talk 07** **Hematological alterations in canine leishmaniosis**
Speaker: Paulo C. R. Tabanez (Clínica Veterinária Tabanez, Brazil)

Questions and Answers

4:00 pm - 5:30 pm

- Talk 01** **Prevention of vector-borne diseases**
Speaker: Domenico Otranto (University of Bari, Italy)
- Talk 02** **Isoxazolines and vector-borne diseases**
Speaker: Frederic Beugnet (Boehringer Ingelheim, France)
- Talk 03** **Growing diversity of vector-borne diseases**
Speaker: Marcos Rogério André (UNESP, Brazil)

Sala Macaxeira

Macaxeira Room

Time	Macaxeira Room
10:00 am - 10:30 am	COFFEE BREAK
10:30 am - 12:00 pm	<i>Oral Communication</i> Innovative Strategies and Challenges in the Control of Parasites in Birds and Swine Session Chair: Anja Joachim (University of Veterinary Medicine Vienna, Austria)
12:00 pm - 1:00 pm	LUNCH + POSTERS
2:00 pm - 3:30 pm	<i>Oral Communication</i> Sustainable Strategies for Gastrointestinal Nematode Control in Ruminants Session Chair: Felipe Torres-Acosta (Autonomous University of Yucatan, Mexico)
3:30 pm - 4:00 pm	COFFEE BREAK + POSTERS
4:00 pm - 5:30 pm	<i>Round Table</i> Sustainable Parasite Control. How to build communities of practice? Session Chair: Laura Rinaldi (Universiti of Naples Federico II, Italy)

Talks Sala Macaxeira

Talks Macaxeira Room

10:30 am - 12:00 pm

- Talk 01** **Associated risk factors and phylogenetic diversity of poultry coccidiosis across three agroclimatic zones of Jammu and Kashmir, North India**
Speaker: Anish Yadav (Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu, India)
- Talk 02** **Evaluation of the *E. acervulina* and *E. maxima* scoring system in anticoccidial sensitivity tests (AST's)**
Speaker: Brecht Maertens (Poulpharm, Belgium)
- Talk 03** **Comparative efficacy of the *Cysticercus cellulosae* excretory/secretory and somatic antigens using Dot ELISA in pigs**
Speaker: Sangaran Arumugam (Tamil Nadu Veterinary and Animal Sciences University, India)
- Talk 04** **Parasite zoonotic in pigs and their producers: associating scientific research and rural extension**
Speaker: Alynne da Silva Barbosa (Federal University of Fluminense, Brazil)
- Talk 05** **Toltrazuril resistance in *Cystoisospora suis* – detection and genetic background**
Speaker: Anja Joachim (University of Veterinary Medicine Vienna, Austria)
- Talk 06** **A novel vaccine approach for controlling *Ornithonyssus bursa* in Poultry**
Speaker: Alvaro Gustavo de Jesus Torres (Federal University of Minas Gerais, Brazil)
- Talk 07** **Phylogenetic analysis of a Schistosomatidae species from three Brazilian tanagers (*Ramphocelus bresilia* Linnaeus, 1766) in a German zoo**
Speaker: Nora-Rachelle Döscher (Freie Universität Berlin, Germany)

Questions and Answers

2:00 pm - 3:30 pm

- Talk 01** **Implementation of sustainable gastrointestinal nematode control strategies on extensively managed sheep farms**
Speaker: Eilidh Geddes (Moredun Research Institute, UK)
- Talk 02** **FAMACHA® and BCS help identify sheep and goats with low worm burden during fall and spring in Mississippi commercial farms**
Speaker: Juan Felipe Torres-Acosta (Autonomous University of Yucatan, Mexico)

- Talk 03** **The impact of regenerative grazing on nematode infections in sheep**
Speaker: Phoebe Beal (Moredun Research Institute, UK)
- Talk 04** **Which clinical markers can predict goats with higher faecal egg counts for targeted selective treatment in Austrian farms?**
Speaker: Miguel Peña-Espinoza (University of Veterinary Medicine Vienna, Austria)
- Talk 05** **Targeted selective treatment in growing lambs for sustainable anthelmintic use**
Speaker: Cristina Sotomaior (Pontifical Catholic University of Paraná, Brazil)
- Talk 06** **Towards sustainable worm control: field validation of a decision support tool for targeted treatment of gastrointestinal nematodes in first-season grazing dairy cattle**
Speaker: Janne Goes (Ghent University, Belgium)

Questions and Answers

4:00 pm - 5:30 pm

- Talk 01** **Building a European Community of Practice in Sustainable Worm Control for ruminants**
Speaker: Johannes Charlier (Kreavet, Belgium)
- Talk 02** **Equine parasite control: Working towards global consensus**
Speaker: Martin Nielsen (Aarhus University, Denmark)
- Talk 03** **Parasites of domestic dogs in traditional societies of sub-Saharan Africa: need for interventions vs. coexistence and conservation of evolutionary processes**
Speaker: Andrei Mihalca (University of Agricultural Sciences and Veterinary Medicine of Cluj-Napoca, Romania)

Planária Ararê

Ararê Plenary

Time	Ararê Plenary
9:00 am 10:00 am	<p>Plenary Session</p> <p>Smart Agriculture: AI Applications in Small Ruminant Health and Pasture Monitoring Speaker: Thomas Terrill (Fort Valley State University, USA) Session Chair: Cristina Sotomaior (Pontifical Catholic University of Paraná, Brazil)</p>
10:00 am 10:30 am	COFFEE BREAK
10:30 am 12:00 pm	<p>Oral Communication</p> <p>Digital Innovation and Decision Support in Parasite Diagnosis and Control Session Chair: Fiona Kenyon (Moredun Research Institute, UK)</p>
12:00 pm 1:00 pm	LUNCH + POSTERS
1:00 pm 2:00 pm	<p>MSD Symposium</p> <p>Vector Borne Diseases: a world in constant transformation requires a new preventive approach from the Veterinarian Speaker: Filipe Dantas-Torres (FIOCRUZ, Brazil)</p>
2:00 pm 3:30 pm	<p>Food and Agriculture Organization & Gates Foundation joint symposium</p> <p>One Health Approach to Integrated Vector Control: Safeguarding Food Security, Global Health and the Environment Speaker: Thanawat Tiensin (FAO) and Carlos Goulart (Ministério da Agricultura e Pecuária, Brasil)</p>
3:30 pm 4:00 pm	COFFEE BREAK + POSTERS
4:00 pm 5:30 pm	<p>Food and Agriculture Organization & Gates Foundation joint symposium</p> <p>Launch of the FAO guidelines for sustainable tick control and acaricide resistance management in livestock Speaker: Laetitia Lempereur (FAO) and Lena Halos (Gates Foundation)</p> <p>Guidelines for sustainable tick control and acaricide resistance management in livestock Speaker: Laetitia Lempereur (FAO) and Lena Halos (Gates Foundation)</p>

4:00 pm
5:30 pm

Panel discussion

Moderator: Nick Jonsson (Glasgow University, UK)
Panelists: Laetitia Lempereur (FAO), Andrés Garcia Campos (WOAH), Florence Fouque (WHO)
Marcelo de Andrade Mota (Ministry of Agriculture and Livestock, Brazil)
Gustavo Sabatini (Boehringer Ingelheim, Germany)
Matthew Baylis (University of Liverpool, UK)

5:30 pm
6:00 pm

**Food and Agriculture Organization & Gates Foundation joint symposium
One Health Approach to Integrated Vector Control: Safeguarding Food Security,
Global Health and the Environment**

Closing Remarks and Reception

Jorge Meza (FAO)

Talks Planária Ararê

Talks Ararê Plenary

10:30 am - 12:00 pm

- Talk 01** **From microscope to machine: A comparison of traditional microscopy with image analysis devices for faecal egg counts of gastrointestinal nematode eggs in ovine samples**
Speaker: Amanda McEvoy (Teagasc, Ireland)
- Talk 02** **FEC Check: Development of a decision support tool to aid interpretation of gastrointestinal nematode faecal egg counts in sheep**
Speaker: Eilidh Geddes (Moredun Research Institute, UK)
- Talk 03** **ParaDiag: A novel ai-driven tool for parasite identification in veterinary practice**
Speaker: Loic Antoine (Boehringer Ingelheim, France)
- Talk 04** **Five-point check system implementation in goat smallholders from Malawi: a machine learning approach to identify highly infected animals**
Speaker: Javier Ventura-Cordero (Autonomous University of Campeche, Mexico)
- Talk 05** **Using machine learning and advanced bioassays to discover novel tick repellents and acaricides**
Speaker: Koen Dechering (TropiQ Health Sciences, Netherlands)
- Talk 05** **Buffalo Fly Counting: Comparing Visual Scoring Methods with Object Counting Digital Platforms**
Speaker: Anthony Feez (University of Queensland, Australia)

Talk 07 **From paddocks to pixels: A statewide look at worm resistance**
Speaker: Emily Kate Francis (The University of Sydney, Australia)

Questions and Answers

2:00 pm - 3:30 pm

Talk 01 **One health & vector control**
Speaker: Junxia Song (FAO)

Talk 02 **Environmental factors influencing vectors**
Speaker: Matthew Baylis (University of Liverpool, UK)

Talk 03 **Vector control for Global Health**
Speaker: Florence Fouque (WHO)

Talk 04 **South American perspective of vector control in livestock**
Speaker: Marcelo de Andrade Mota (Ministry of Agriculture and Livestock, Brazil)

Questions and Answers

Sala Jaci Jaci Room

Time	Jaci Room
10:00 am - 10:30 am	COFFEE BREAK
12:00 pm - 1:00 pm	LUNCH + POSTERS
2:00 pm - 3:30 pm	<p><i>Symposium</i></p> <p>Nemabiome metabarcoding and targeted deep sequencing – current experiences, good practices and future directions</p> <p>Session chairs: Jan Slapeta (The University of Sydney, Australia) and John Gilleard (University of Calgary, Canada)</p>
3:30 pm - 4:00 pm	COFFEE BREAK + POSTERS

Talks Sala Jaci

Talks Jaci Room

2:00 pm - 3:30 pm

- Talk 01** **Is the ITS rDNA the only marker we can use – the German experience**
Speaker: Jürgen Krücken (Freie Universität Berlin, Germany)
- Talk 02** **Amplicon metabarcoding in wildlife species – the Costa Rican experience**
Speaker: Alicia Rojas (University of Costa Rica, Costa Rica)
- Talk 03** **Implementing amplicon metabarcoding at national level from ground up – the New Zealand experience**
Speaker: Alex Chambers (Agresearch, New Zealand)
- Talk 04** **Applications of nemabiome metabarcoding – Scottish/UK experience**
Speaker: Lyndsey Meville (Moredun Research Institute, UK)
- Talk 05** **Challenges when implementing amplicon metabarcoding for the first time – the Spanish experience**
Speaker: Maria Martinez Valladares (University of León, Spain)
- Talk 06** **Coupling FECRT and amplicon metabarcoding – the Argentinian experience**
Speaker: Candela Canton (UNCPBA, CIVETAN, Tandil, Argentina)
- Talk 07** **Generating lot of data from ruminants is easy, but how do we talk to those that need it the most – the Australian experience**
Speaker: Emily Kate Francis (The University of Sydney, Australia)
- Talk 08** **Reporting transparently amplicon metabarcoding results – the Canadian experience**
Speaker: Osama Zahid (University of Calgary, Canada)

Roundtable discussion: Ten Simple Rules to Report and Publish about Parasite Amplicon Metabarcoding

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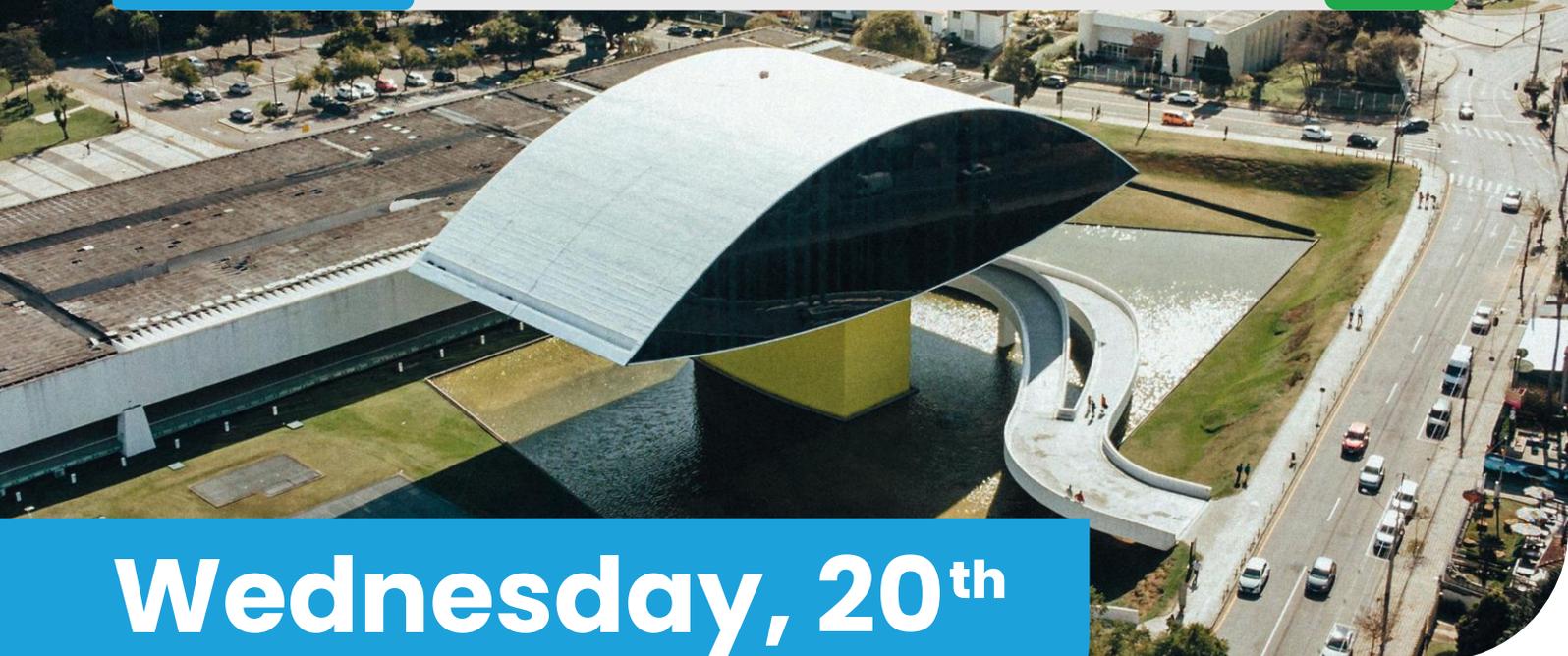
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 **MSD**
Animal Health



Wednesday, 20th

Schedule

Sala Porã

Porã Room

Time	Porã Room
10:00 pm 10:30 pm	COFFEE BREAK
10:30 pm 12:00 pm	<p><i>Oral Communication</i></p> <p>Equine Helminths: Epidemiology, Immunity, Microbiota and Control Strategies</p> <p>Session Chair: Jane Hodgkinson (University of Liverpool, UK)</p>
12:00 pm 1:00 pm	LUNCH + POSTERS
1:30 pm 3:30 pm	<p><i>Symposium</i></p> <p>You are a Veterinary Parasitology Researcher – What Can Possibly Go Wrong?</p> <p>Responsible Conduct of Research Workshop:</p> <p>Georg von Samson-Himmelstjerna (Freie Universität Berlin, Germany) and Grace Mulcahy (University College Dublin, Ireland)</p>
3:30 pm 4:00 pm	COFFEE BREAK + POSTERS

Talks Sala Porã

Talks Porã Room

10:30 am - 12:00 pm

- Talk 01** **Cyathostomin species identifications in 89 German horse farms based on cytochrome c oxidase I sequence analysis**
Speaker: Jennifer Sandra Schmidt (Freie Universität Berlin, Germany)
- Talk 02** **Epidemiological patterns of cyathostominae burden in warmblood horses in Mexico**
Speaker: Cintli Martinez-Ortiz-de-Montallano (National Autonomous University of Mexico, Mexico)
- Talk 03** **Prevalence and risk factors of *Parascaris* spp. infection in equids under two years old in France**
Speaker: Bourrier Kenza (French Agency for Food, Environmental and Occupational Health & Safety, France)
- Talk 04** **A Stable Relationship? Local and Systemic Immune Responses to Equine Cyathostomin Infection.**
Speaker: Orla Byrne (University College Dublin, Ireland)
- Talk 05** **Microbiota dynamics in cyathostomin-infected horses under two parasite control strategies.**
Speaker: Cintli Martinez-Ortiz-de-Montallano (National Autonomous University of Mexico, Mexico)
- Talk 06** **Exploration of equine keepers' attitudes, beliefs and behaviours surrounding helminth control and anthelmintic resistance in the United Kingdom**
Speaker: Faye Ellen McTigue (Harper Adams University, UK)

Sala Macaxeira

Macaxeira Room

Time	Macaxeira Room
10:00 am 10:30 am	COFFEE BREAK
10:30 am 12:00 pm	<p><i>Oral Communication</i></p> <p>Lungworms in Companion Animals: Epidemiology, Risk Assessment, and Control Strategies Session Chair: Luciano Antunes Barros (Federal University of Fluminense, Brazil)</p>

2:00 pm
3:30 pm

Oral Communication
**Gastrointestinal nematodes Infections in Companion Animals: Epidemiology,
 Resistance, and Therapeutic Advances**
 Session chair: Luis Ignacio Alvarez (UNCPBA, CIVETAN, Tandil, Argentina)

3:30 pm
4:00 pm

COFFEE BREAK + POSTERS

Talks Sala Macaxeira

Talks Macaxeira Room

10:30 am - 12:00 pm

- Talk 01** **Impact of environmental conditions on the spread of canine neural angiostrongyliasis in Australia, 2020-2024**
Speaker: Jan Slapeta (University of Sydney, Australia)
- Talk 02** **Epizootiological update on the occurrence of *Angiostrongylus vasorum* and respiratory *Capillaria* spp. in dogs from Italy**
Speaker: Simone Morelli (University of Teramo, Italy)
- Talk 03** **Lungworms and other endoparasites in domestic cats living in the States of Rio de Janeiro and Rio Grande do Sul, Brazil**
Speaker: Angela Di Cesare (University of Teramo, Italy)
- Talk 04** ***Aelurostrongylus abstrusus* infections, a health threat for cats entering animal shelters in the Netherlands?**
Speaker: Rolf Nijssse (Utrecht University, Netherlands)
- Talk 05** **Latest update on the use of eprinomectin against cat lungworms**
Speaker: Donato Traversa (University of Teramo, Italy)
- Talk 06** **The efficacy of Simparica Trio® (sarolaner, moxidectin, pyrantel) for the treatment of adult *Angiostrongylus vasorum* infections in dogs**
Speaker: Jessica Rodriguez (Zoetis, USA)

2:00 pm - 3:30 pm

- Talk 01** **Occurrence of Endoparasites in Dogs and Cats in Various Regions of Brazil**
Speaker: Karin Denise Botteon (Boehringer Ingelheim, Brazil)

- Talk 02** **Morphological and molecular data on canine hookworm species from Italy**
Speaker: Renata Fagundes Moreira (University of Bari "Aldo Moro", Italy)
- Talk 03** **Global Molecular Epidemiology Study of Benzimidazole Resistance in the Canine Hookworm *Ancylostoma caninum***
Speaker: Mahya Dini (University of Calgary, Canada)
- Talk 04** **Widespread occurrence of key SNPs in benzimidazole-resistant *Ancylostoma caninum* in Australia**
Speaker: Swaid Abdullah (The University of Queensland, Australia)
- Talk 05** **Transcriptional responses to in vitro macrocyclic lactone exposure in *Toxocara canis* third-stage larvae**
Speaker: Theresa A. Quintana (Auburn University, USA)
- Talk 06** **Cry-ing for a pipeline of deworming drugs: the IBaCC platform for anthelmintics**
Speaker: Raffi V Aroian (University of Massachusetts, USA)
- Talk 07** **Successful treatment of experimental canine hookworm infections with a single administration of a fluralaner, moxidectin and pyrantel chewable tablet in a non-terminal study design**
Speaker: Lea Katharina Heinau (MSD Animal Health, Germany)

Questions and Answers

Plenária Ararê Ararê Plenary

Time	Ararê Plenary
10:00 am 10:30 am	COFFEE BREAK
10:30 am 12:00 pm	<p><i>Oral Communication</i></p> <p>Tick-Borne Diseases and Control Strategies in ruminants: From Pathogen Detection to Field Interventions</p> <p>Session Chair: Camila de Valgas e Bastos (Federal University of Minas Gerais, Brazil)</p>
12:00 pm 1:00 pm	<p><i>Zoetis Symposium</i></p> <p>Breaking the Resistance: Innovative Strategies to Outsmart One Host Ticks in Cattle</p>
2:00 pm 3:30 pm	<p><i>Oral Communication</i></p> <p>Education, Technology and Extension: Enhancing Parasite Control through Knowledge Translation</p> <p>Session Chair: Fernando de Almeida Borges (Federal University of Mato Grosso do Sul, Brazil)</p>

3:30 pm
4:00 pm

COFFEE BREAK + POSTERS

4:00 pm
6:00 pm

WAAVP Plenary

Talks Planária Ararê

Talks Plenary Ararê

10:30 am - 12:00 pm

- Talk 01** ***Babesia bovis* enolase is expressed in intracellular merozoites and contains predicted B-cell epitopes that induce neutralizing antibodies**
Speaker: Juan Mosqueda (Universidad Autonoma de Queretaro, Mexico)
- Talk 02** **Molecular identification of hemopathogens and morphological analysis of ectoparasites in water buffaloes (*Bubalus bubalis*) in Minas Gerais, southeastern Brazil.**
Speaker: João Paulo Soares Alves (Federal University of Minas Gerais, Brazil)
- Talk 03** **Enzootic status of tick-borne pathogens in cattle from two climatically distinct regions of Paraíba, Northeast Region of Brazil**
Speaker: Vinícius Longo Ribeiro Vilela (Federal Institute of Paraíba, Brazil)
- Talk 04** **Efficacy of a novel pour-on fluralaner ectoparasiticide, NexLaner (Ourofino Saúde Animal Ltda.), against the cattle tick, *Rhipicephalus microplus*, *Haematobia irritans*, *Dermatobia hominis* larvae, and for controlling and preventing myiasis caused by *Cochliomyia hominivorax* larvae**
Speaker: Breno Cayeiro Cruz (Ourofino Animal Health, Brazil)
- Talk 05** **Challenges in maintaining a cattle tick-free zone in Southern Brazil: Insights from the investigation of *Rhipicephalus microplus* outbreaks**
Speaker: Jose Reck (IPVDF, Brazil)
- Talk 06** **Emerging patterns of acaricide resistance in *Rhipicephalus microplus* ticks across diverse agroclimatic zones of Bihar, India**
Speaker: Shyma Kunhipurayil (Bihar Animal Sciences University, India)
- Talk 07** **Proof-of-concept of the efficiency of MALDI-TOF mass spectrometry in the determination and discrimination of North American ixodid tick species**
Speaker: Ian Kirimi Daniel (Texas A&M University, USA)

Questions and Answers

2:00 pm - 3:30 pm

- Talk 01** **NCVP grant program, impacting parasitology research since 2013**
Speaker: Ruth Scimeca (Oklahoma State University, USA)
- Talk 02** **University extension in favor of animal, human, and environmental health**
Speaker: Larissa Reifur (Federal University of Paraná, Brazil)
- Talk 03** **Scientific knowledge applied at Brazilian buffalo milk herds for parasite control**
Speaker: Eduardo Bastianetto (Federal University of Minas Gerais, Brazil)
- Talk 04** **Are we too late to get producers to use anthelmintics rationally?**
Speaker: Juan Felipe Torres-Acosta (Autonomous University of Yucatan, Mexico)
- Talk 05** **Assessing the future uptake of precision livestock farming tools by sheep and goat farmers in the meat and dairy industries**
Speaker: Fiona Kenyon (Moredun Research Institute, UK)
- Talk 06** **Parassess, A digital owner-facing tool based on algorithm to assess parasite risk for dogs and cats**
Speaker: Frederic Beugnet (Boehringer Ingelheim, France)
- Talk 07** **Comprehensive epidemiology and management of trypanosomosis with special emphasis on multi-faceted research from Punjab, India**
Speaker: Lachhman Das Singla (Guru Angad Dev Veterinary and Animal Sciences University, India)

Questions and Answers

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*Veterinary Parasitology 323 (2023) 110025. (<https://doi.org/10.1016/j.vetpar.2023.110025>)
e Veterinary Parasitology, 323 (2023) 109987. (<https://doi.org/10.1016/j.vetpar.2023.109987>).

Thursday, 21th

Schedule

Sala Porã Porã Room

Time	Porã Room
10:00 am 10:30 am	COFFEE BREAK
10:30 am 12:00 pm	<p><i>Tungiasis Symposium</i></p> <p>A Neglected Disease Demanding Integrated Research and Sustainable Control</p> <p>Session Chairs: Georg von Samson-Himmelstjerna (Freie Universität Berlin, Germany), and Jürgen Krücken (Freie Universität Berlin, Germany)</p>
12:00 pm 1:00 pm	LUNCH + POSTERS
2:00 pm 3:30 pm	<p><i>Oral Communication</i></p> <p>Coccidiosis and Other Protozoa: Epidemiology, Diagnosis, and Advances in Control</p> <p>Session Chair: Luiz Daniel de Barros (Federal University of Lavras, Brazil)</p>
3:30 pm 4:00 pm	COFFEE BREAK + POSTERS

Talks Porã Room

Talks Porã Room

10:30 am - 12:00 pm

- Keynote** **The ramifications of zoonotic tungiasis in endemic communities: a call to action**
Speaker: Francis Mutebi (Makerere University, Uganda)
- Talk 1** **The microbiome of human and pig *Tunga penetrans* biopsies is dominated by vertically transmitted bacteria while *Staphylococcus* spp. were the most abundant opportunistic bacteria causing superinfection**
Speaker: Jürgen Krücken (Freie Universität Berlin, Germany)
- Talk 2** **Efficacy of natural and synthetic insect growth regulators for the control of sand flea (*Tunga penetrans*) off-host stages: From laboratory bioassays to a randomised control field trial**
Speaker: Abneel Kaur Matharu (Freie Universität Berlin, Germany)
- Talk 3** **A Community-driven One Health based approach for effective and sustainable control of tungiasis in rural Uganda**
Speaker: Georg von Samson-Himmelstjerna (Freie Universität Berlin, Germany)
- Podium discussion** **Building a Global Research Network for Integrated Tungiasis Control: Challenges and Opportunities**
Speaker: Abneel Kaur Matharu (Freie Universität Berlin, Germany), Filipe Dantas-Torres (FIOCRUZ, Brazil), Francis Mutebi (Makerere University, Uganda), Georg von Samson-Himmelstjerna (Freie Universität Berlin, Germany), Jürgen Krücken (Freie Universität Berlin, Germany) and Rafael Chiummo (MSD Animal Health)

2:00 pm - 3:30 pm

- Talk 01** **First epidemiological report of *Neospora caninum* in sheep from four municipalities in Colombia**
Speaker: Jaime Andres Cubides Cardenas (AGROSAVIA, Colombia)
- Talk 02** **Emerging bovine besnoitiosis in Italy: preliminary insights from serological and clinical investigations**
Speaker: Lavinia Ciuca (University of Naples Federico II, Italy)
- Talk 03** **Development and evaluation of a Gamma-irradiated vaccine strain for *Toxoplasma gondii* infection**
Speaker: Mohamed A. Helal (National Research Centre, Egypt)
- Talk 04** **Characterisation of *Giardia duodenalis* assemblages from veterinary clinical cases in Ireland.**
Speaker: John Crowley (University College Dublin, Ireland)

Talk 05 Longitudinal follow-up of *Giardia* infection in dogs shows impaired immune development
Speaker: Bregt Decorte (Ghent University, Belgium)

Talk 06 High prevalence of gastrointestinal parasites of dogs from Saipan, Northern Mariana Islands, including the zoonotic *Ancylostoma ceylanicum*
Speaker: Guilherme Verocai (Texas A&M University, USA)

Questions and Answers

Sala Macaxeira Macaxeira Room

Time	Porã Room
10:00 am - 10:30 am	COFFEE BREAK
10:30 am - 12:00 pm	<p>Oral Communication</p> <p>Anthelmintic Resistance in Small Ruminants: From Field Efficacy to Molecular Insights</p> <p>Session chair: Dave Bartley (Moredun Research Institute, UK)</p>
12:00 pm - 1:00 pm	LUNCH + POSTERS
2:00 pm - 3:30 pm	<p>Oral Communication</p> <p>Next-Generation Sequencing Applications in Anthelmintic Resistance and Gastrointestinal Nematode Diversity</p> <p>Session Chair: Umer N. Chaudhry (Long Island University College of Veterinary Medicine, USA)</p>
3:30 pm - 4:00 pm	COFFEE BREAK + POSTERS

Talks Macaxeira Room

Talks Macaxeira Room

10:30 am - 12:00 pm

- Talk 01** **Anthelmintic Resistance in Sheep Farms: Is the Risk of Resistance Increasing Worldwide?**
Speaker: Juan Felipe Torres-Acosta (Autonomous University of Yucatan, Mexico)
- Talk 02** **Reduced field efficacy of eprinomectin against gastrointestinal nematodes in austrian goat farms**
Speaker: Barbara Hinney (University of Veterinary Medicine Vienna, Austria)
- Talk 03** **Detection of anthelmintic drug resistance in sheep flocks infected by gastrointestinal nematodes in the northwest of Spain using In Vivo, In Vitro and molecular assessment**
Speaker: Elora Valderas García (University of León, Spain)
- Talk 04** **From FECRT to PCR: Unveiling anthelmintic resistance in Czech sheep**
Speaker: Adam Novobilsky (Veterinary Research Institute, Czech Republic)
- Talk 05** **Application of nemabiome targeted sequencing and an automated larval migration assay to characterize anthelmintic resistance in small ruminant flocks in Greece.**
Speaker: Anastasios Ligdas (Ghent University, Belgium)
- Talk 06** **Characterisation of eprinomectin resistant *Haemonchus contortus* collected in dairy ewe farms: from phenotype to genome.**
Speaker: Anne Lespine (INRAE, France)
- Talk 07** **European COST Action ENVIRANT: Environmental impact of anthelmintics in livestock and alternatives to minimize their use**
Speaker: Maria Martinez Valladares (University of León, Spain)

Questions and Answers**2:00 pm - 3:30 pm**

- Talk 01** **Screening for anthelmintic drug resistance mutations in parasitic nematodes using Oxford Nanopore long-read amplicon sequencing**
Speaker: John Gilleard (University of Calgary, Canada)
- Talk 02** **Development and field-evaluation of a deep amplicon sequencing assay to detect the levamisole-resistance associated SNP (S168T) in the *acr-8* gene**
Speaker: Osama Zahid (University of Calgary, Canada)

- Talk 03** **Unraveling benzimidazole resistance in cattle gastrointestinal nematodes through Next-Generation Sequencing**
Speaker: Candela Canton (UNCPBA, CIVETAN, Tandil, Argentina)
- Talk 04** **Nemabiome metabarcoding shows variable resistance levels and species dynamics in anthelmintic resistant gastrointestinal nematode populations**
Speaker: Osama Zahid (University of Calgary, Canada)
- Talk 05** **Metabarcoding of equine strongyle communities reveals unexpectedly frequent *Strongylus* spp. occurrence in treated horses**
Speaker: Georg von Samson-Himmelstjerna (Freie Universität Berlin, Germany)
- Talk 06** **Analysis of the gastrointestinal nemabiome of wild and domestic canids from Costa Rica**
Speaker: Alicia Rojas (University of Costa Rica, Costa Rica)
- Talk 07** **Deep amplicon sequencing and faecal egg count reduction tests reveal poor efficacy of anthelmintic treatments against gastrointestinal strongyle nematodes in bactrian and dromedarian camels in Germany due to presence of resistant *Haemonchus contortus* and *Trichostrongylus colubriformis***
Speaker: Jürgen Krücken (Freie Universität Berlin, Germany)

Questions and Answers

Plenária Ararê Ararê Plenary

Time	Ararê Plenary
9:00 am 10:00 am	<p>Plenary Session</p> <p>Parasites and their endosymbionts: evolution, coevolution and applications</p> <p>Session Chair: Domenico Otranto (University of Bari, Italy)</p> <p>Speaker: Claudio Bandi (University of Milano, Italy)</p>
10:00 am 10:30 am	COFFEE BREAK + POSTERS
10:30 am 12:00 pm	<p>Oral Communication</p> <p>Advances in Heartworm Research: Epidemiology, Resistance, and Control in Companion Animals</p> <p>Session Chair: Norma Vollmer Labarthe (FIOCRUZ, Brazil)</p>
12:00 pm 1:00 pm	LUNCH + POSTERS

1:00 pm 2:00 pm	<p>Elanco Symposium</p> <p>Resistance of companion animal parasites to antiparasitic drugs</p> <p>Speaker: Timothy Geary (McGill University, Canada)</p>
2:00 pm 3:30 pm	<p>Oral Communication</p> <p>Vector-Borne Pathogens in Companion Animals: Global Perspectives and Transmission Dynamics</p> <p>Session Chair: Domenico Otranto (University of Bari, Italy)</p>
3:30 pm 4:00 pm	COFFEE BREAK + POSTERS
4:00 pm 5:30 pm	Closing ceremony

Talks Planária Ararê

Talks Ararê Plenary

10:30 am - 12:00 pm

- Talk 01** **Living fossil: What does population genomics reveal about the origin of *Dirofilaria immitis*?**
Speaker: Jan Slapeta (University of Sydney, Australia)
- Talk 02** **Resistance to macrocyclic lactone heartworm preventives: Current prevalence, diagnostic tests and concerns**
Speaker: Roger Prichard (McGill University, Canada)
- Talk 03** **Surveillance of single nucleotide polymorphisms correlated to macrocyclic lactone resistance in *Dirofilaria immitis* from client-owned dogs across the United States**
Speaker: Jessica Rodriguez (Zoetis, USA)
- Talk 04** **Heartworm Alert: Development of a Spatial Decision Support System for the Management of Canine Heartworm in Australia**
Speaker: Jessica Rodriguez (Zoetis, USA)
- Talk 05** **Comparative Performance of the Novel, Point-of-Care Pluslife MiniDock *Dirofilaria immitis*/*Dirofilaria repens* Detection Test with the Modified Knott's test in Dogs**
Speaker: Guilherme Verocai (Texas A&M, USA)
- Talk 06** **Epidemiology, diagnosis and clinical features of feline dirofilariosis in the Mediterranean Basin**
Speaker: Mariaelisa Carbonara (University of Bari, Italy)

- Talk 07** **DIROGEN: *Dirofilaria immitis* and *D. repens* in Austria – A global change example and why deciphering the genetic diversity on a global perspective is of need.**
Speaker: Hans-Peter Fuehrer (University of Veterinary Medicine Vienna, Austria)

Questions and Answers

2:00 pm - 3:30 pm

- Talk 01** **High seroprevalence of selected vector-borne pathogens in dogs from Saipan, Northern Mariana Islands**
Speaker: Maureen A. Kelly (Texas A&M University, USA)
- Talk 02** **Diversity of pathogens from ticks of dogs from two Caribbean islands**
Speaker: Roxanne Charles (University of the West Indies, Trinidad and Tobago)
- Talk 03** **Feline vector-borne pathogens in Iran**
Speaker: Alireza Sazmand (Bu-Ali Sina University, Iran)
- Talk 04** **Vectors and vector-borne pathogens of companion animals in Greece.**
Speaker: Smaragda Sotiraki (Hellenic Agricultural Organization, Greece)
- Talk 05** **Occurrence of Ectoparasites and Vector-Borne diseases in Dogs and Cats in Various Regions of Brazil.**
Speaker: Karin Denise Botteon (Boehringer Ingelheim, Brazil)
- Talk 06** **Assessment of the speed of transmission of *Ehrlichia canis*, *Anaplasma phagocytophilum*, and *Borrelia burgdorferi sensu stricto* by infected ticks through an in vitro experimental system**
Speaker: Frederic Beugnet (Boehringer Ingelheim, France)



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