



DETAILED PROGRAMME

Day 1: Monday, August 26, 2024

14.00–19.00

REGISTRATION

EUROPEAN UNION ROOM

16.00–16.45

OPENING CEREMONY

17.00–17.45

PLENARY LECTURE

Colin Sutherland: Genetic signals of selection by ACT drug treatment in the genome of *Plasmodium falciparum* isolates from Africa

17.45–18.30

PLENARY LECTURE

Grzegorz Węgrzyn: Bacteriophages: predators or parasites?

19.00– 22.00

WELCOME PARTY

Day 2: Tuesday, August 27, 2024

8.00-

REGISTRATION

EUROPEAN UNION ROOM

09.00–09.45

PLENARY LECTURE

Robert Poulin: The quest for parasitological knowledge: breadth, depth, or both?

10.00–11.30

Parasite omics I

Organisers: Vyacheslav Yurchenko, Christen Rune Stensvold and Simone Caccio

Chairs: Vyacheslav Yurchenko and Christen Rune Stensvold

10.00–10.30

Christen Rune Stensvold: Examples of the unravelling of genetic diversity in common intestinal parasitic protists of human and non-human hosts using amplicon-based next-generation sequencing

10.30–10.50

Vyacheslav Yurchenko: Fully resolved phylogeny of Trypanosomatidae

10.50–11.05

Kristína Pašuthová: Canonical and non-canonical nuclear genetic codes: genomics of Blastocritidiinae

11.05–11.20

Ingrid Sveráková: *Blastocritidia* nonstop – functional analysis of genomic predictions

11.20–11.30

Poster Presentations and Discussion

Ewa Zaobidna: Identification of alternative splicing isoforms of genes in L3 and L4 larvae of *Anisakis simplex* s.s. under glucose conditions

Joanna Dąbrowska: Comparative whole genome sequencing of *Tritrichomonas foetus* isolates from different hosts reveals genetic differences and implications for transmission patterns

11:30–12:00

Coffee Break

12.00–13.30

Parasite omics II

Chairs: Vyacheslav Yurchenko and Christen Rune Stensvold

12.00–12.20

Simone Mario Caccio: Evolutionary genomics of *Cryptosporidium parvum* in Europe

12.20–12.35

Marco Lalle: In-depth comparative proteomic analysis of *Giardia duodenalis* secreted vesicles

12.35–12.50

Marco Lalle: First evidence of a quorum sensing mechanism in *Giardia duodenalis* linked to 14-3-3 protein polyglycylation level

12.50–13.05

Marie Jalovecka: Deciphering the role of calcium-dependent protein kinases in the lifecycle dynamics of *Babesia divergens*

13.05–13.20	Ludmila Sromek: What can parasites tell us about their hosts: insight from population genomics of seal lice
13.20–13.30	Poster Presentations and Discussion Elżbieta Łopińska-Biernat: The transcriptome profile of L3 larvae of <i>Anisakis simplex</i> s.s. with differentiated antihelminthic treatment Marialetizia Palomba: Transcriptomic plasticity of the Antarctic parasite <i>Contraecum osculatum</i> sp. D (Nematoda: Anisakidae) in response to thermal stress exposure Marialetizia Palomba: De novo transcriptome assembly of the anisakid nematode <i>Contraecum osculatum</i> (s.s.) from the Baltic Sea: implications in studies on its zoonotic role and ecological aspects
13.30–14.30	Lunch Break & Poster Viewing
14.30–16.00	Food and Waterborne Parasitology Plenary Session I Organisers: Lucy Robertson and Olgica Djurkovic-Djakovic
14.30–14.40	Introduction: Olgica Djurkovic-Djakovic, Alvin Gajadhar and Ray Gamble
14.40–15.10	Lucy Robertson: Transmission of parasites to people via food and water: where are we now and should we care?
15.10–15.25	Simone Mario Caccio: Detection of protozoa in water and food by metagenomics: approaches, results and challenges
15.25–15.40	Jeroen Saeij: Identification of genetic determinants for <i>Toxoplasma gondii</i> oocyst environmental resistance
15.40–15.55	Rachel Chalmers: <i>Cryptosporidium</i> outbreaks linked to food and water; what have we learnt?
15.55–16.00	Poster Presentations and Discussion Sasa Vasilev: <i>Trichinella</i> infection in Southeastern Europe Rose-Anne Lavergne: Unusual food poisoning due to massive infestation with <i>Anisakis simplex</i> sensus lato Aleksandra Penezić: Synanthropic birds and rodents as indicators for <i>Toxoplasma gondii</i> oocyst contamination in urban and suburban environments Jolanta Zdybel: Parasitological contamination of arable soil in selected regions of Poland – preliminary research Nikola Betić: Freshwater ecosystems - an underexplored reservoir of zoonotic parasites
16.00–16.15	Coffee Break
16.15–18.00	Food and Waterborne Parasitology Plenary Session II & Panel discussion Organisers: Lucy Robertson and Olgica Djurkovic-Djakovic
16.15–16.30	Ivona Mladineo: Fish-borne parasites of importance for EU: status on identification, detection and treatment in fish products
16.30–16.45	Adriano Casulli: Community risk of environmental-borne cystic echinococcosis: lesson learned from peritas project in South America
16.45–18.00	Panel Discussion
UNIVERSITY OF WROCLAW ROOM	
10.00–11.30	Opportunistic and rare parasite infections I Chairs: Martin Kváč and Rachel Chalmers
10.00–10.15	Enrique Calderón: <i>Pneumocystis jirovecii</i> in pregnant women
10.15–10.30	Martin Kváč: Host adaptation of gastric cryptosporidia
10.30–10.45	Nikola Holubová: <i>Cryptosporidium</i> in birds: from parasite to disease
10.45–11.30	Poster Presentations and Discussion Solène Le Gal: <i>Pneumocystis jirovecii</i> calcineurin gene diversity in patients treated with calcineurin inhibitor Martin Kváč: <i>Cryptosporidium mortiferum</i> : first case in human and synanthropic rodents as source of infection in the Czech Republic Žaneta Zajáčzkowska: <i>Encephalitozoon</i> spp. infection in patients with lung and colon cancer Galya Popova: Blepharitis caused by <i>Demodex folliculorum</i> Magdalena Szydłowicz: Investigation of the possibility of migration of <i>Pneumocystis jirovecii</i> to lung tumor tissue
11.30–12.00	Coffee Break
12.00–13.30	Opportunistic and rare parasite infections II Chairs: Jacob Lorenzo-Morales and Maria Wesolowska
12.00–12.15	Jacob Lorenzo-Morales: Novel marine compounds against <i>Naegleria fowleri</i>
12.15–12.30	Julia Walochnik: Thirty-five years of <i>Acanthamoeba</i> infections in Austria

- 12.30–12.45** **Maria Wesołowska:** Occurrence of free-living amoebae in a water reservoir in Wrocław and their molecular characterisation
- 12.45–13.00** **Barbara Šoba:** Chronic meningitis caused by the larval stage of *Taenia crassiceps* tapeworm in an immunocompetent woman, Slovenia
- 13.00–13.30** **Poster Presentations and Discussion**
- Jacob Lorenzo-Morales:** Characterization of free-living amoebae in environmental samples of agricultural origin from the island of Tenerife
- Jacob Lorenzo-Morales:** Indole based compounds as amoebicidal agents against *Acanthamoeba* spp. Elucidation of action mode
- Natalia Łanocha-Arendarczyk:** Pathophysiology and mechanisms of cerebral acanthamoebiasis
- Jacob Lorenzo-Morales:** *In vivo* evaluation of sepiigel-based meglumine antimoniate and amphotericin B for cutaneous leishmaniasis treatment

13.30–14.30 **Lunch Break & Poster Viewing**

LECTURE ROOM 1

- 10.00–11.30** **Parasite infections in livestock and their control I**
Chairs: Tetiana A. Kuzmina and Agnieszka Perec-Matysiak
- 10.00–10.15** **Tetiana A. Kuzmina:** Strongylids of domestic horses: influence of anthelmintic treatment on species composition and parasite community structure
- 10.15–10.30** **Amalie Camilla Pedersen:** Non-invasive monitoring of parasite infections in beef cattle grazing nature conservation areas
- 10.30–10.45** **Mahmut Sinan Erez:** Economic assessment of *Ostertagia ostertagi* and *Fasciola hepatica* infections in dairy cattle herds in Türkiye using ParaCalc®
- 10.45–11.00** **Tijana Kukurić:** Equine tapeworms in Serbia: coprological, serological and molecular findings and control
- 11.00–11.30** **Poster Presentations and Discussion**
- Agnė Baranauskaitė:** Detection of *Sarcocystis* species infecting domestic animals in Lithuanian livestock farms
- Mohammad Zahangir Alam:** Ex vivo efficacy of commercially available anthelmintics against blood feeding stomach worm *Haemonchus contortus* of ruminants
- Mohammad Zahangir Alam:** Comparison of the first time detected *Oesophagostomum asperum* with *Oesophagostomum columbianum* in sheep and goats in Bangladesh based on the trinity: morphology, morphometry and genetic diversity
- Konstantinos Arsenopoulos:** Frequency of resistance to benzimidazoles of *Haemonchus contortus* helminths from dairy sheep, goats, cattle and buffaloes in Greece
- 11.30–12.00** **Coffee Break**
- 12.00–13.30** **Parasite infections in livestock and their control II**
Chairs: Tetiana A. Kuzmina and Agnieszka Perec-Matysiak
- 12.00–12.15** **Amalie Camilla Pedersen:** Longitudinal monitoring of parasite infections in two Danish organic pig farms with agroforestry
- 12.15–12.30** **Daria Jurković Žilić:** Molecular identification of *Babesia*, *Theileria*, *Anaplasma*, and hemotropic *Mycoplasma* from aborted samples of domestic ruminants
- 12.30–12.45** **Romy Razakandrainibe:** Circulation of *Cryptosporidium* species in mediterranean island livestock: the case of Corsica (France)
- 12.45–13.30** **Poster Presentations and Discussion**
- Alžbeta Königová:** Parasites in domestic horses: analysis of the regional, age, and seasonal distribution of occurrence of horse parasites in Slovakia
- Michal Babják:** Assessing the efficacy of macrocyclic lactones in goat herds – injectable vs pour on administration
- Aïda Vanaga:** Antiparasitic effect of a tansy (*Tanacetum vulgare* L.) extract containing intraruminal bolus and pallets against gastrointestinal nematodes (*Trichostrongylidae*) in sheep *In vivo*
- Alīna Kļaviņa:** Anticoccidial effect of *Tanacetum vulgare* extract lyophilizate in naturally infected lambs with *Eimeria* spp.
- Katarina Breka:** *Echinococcus* spp. circulating in livestock in Serbia
- Dovilė Laisvūnė Bagdonaitė:** *Sarcocystis* species identification in the blood samples of wildlife and livestock
- Agnieszka Wesołowska:** Transgenic plants as a platform for obtaining virus like particle-assembled vaccine optimized for oral delivery for fasciolosis control
- Anna Pyziel:** Benzimidazole-resistant *Haemonchus contortus* in captive European bison and alpacas in Poland; initial study

Agnieszka Perec-Matysiak: Molecular detection of parasites in fecal DNA of Polish Konik horses

Mihai Horia Baies: Effective natural remedies for treating digestive parasitosis in pigs

Zsolt Boros: *Calendula officinalis* and *Satureja hortensis*, effective natural remedies for treating digestive parasitosis in pigs (*Sus scrofa* ssp. domesticus)

13.30–14.30 Lunch Break & Poster Viewing

LECTURE ROOM 2

12.00–13.30 Satellite session: Droplet Digital PCR and PCR-free BIOSensors for the diagnosis of resistance-associated SNPs in *Pneumocystis jirovecii*

13.30–14.30 Lunch Break & Poster Viewing

Day 3: Wednesday, August 28, 2024

EUROPEAN UNION ROOM

09.00– 09.45 PLENARY LECTURE

Laura Rinaldi: Multi-actor perspectives in parasite diagnosis and epidemiology

10.00–11.30 Parasites of wildlife I

Organiser: Andrei Daniel Mihalca

Chairs: Boris Krasnov and Zuzana Hurníková

10.00–10.20 **Andrei Daniel Mihalca:** Parasites and conservation medicine

10.20–10.35 **Marta Kołodziej-Sobocińska:** March or get infected: influence of winter ranging shaped by supplementary feeding on the spread of non-native nematode *Ashworthius sidemi* in European bison populations

10.35–10.50 **Katarzyna Tołkacz:** Spatial distribution and population structure of the seabird tick *Ixodes uriae* among Antarctic penguin colonies

10.50–11.05 **Paul Bartley:** Prevalence of *Cryptosporidium* spp. and *Giardia* in wild Scottish deer

11.05–11.20 **Anna Bajer:** Red fox (*Vulpes vulpes*) and wolf (*Canis lupus familiaris*) as a reservoir of *Cryptosporidium* spp. and *Giardia intestinalis* in Poland

11.20–11.30 Poster Presentations and Discussion

Zoe Tess Lara Lindhorst: Molecular analysis of vector-borne pathogens in Eurasian badgers (*Meles meles*) from Europe

Małgorzata Samorek-Pieróg: Prevalence of lung nematodes *Eucoleus aerophilus* in red foxes in selected regions of Poland

11.30–12.00 Coffee Break

12.00–13.30 Parasites of wildlife II

Chairs: Andrei Daniel Mihalca and Marta Kołodziej-Sobocińska

12.00–12.20 **Boris Krasnov:** Dark diversity of flea assemblages harboured by small mammalian hosts in the northern Palearctic: effects of environment, host traits, and host phylogeny

12.20–12.35 **Maria Sophia Unterköfler:** Screening for blood-associated pathogens in the spleen of the wild raccoons (*Procyon lotor*) from Germany and phylogenetic analysis of detected *Mycoplasma* spp. and *Babesia* spp.

12.35–12.50 **Vladyslava Storozhuk:** Blood parasites of mouse-like rodents in the conditions of the Chernobyl Exclusion Zone

12.50–13.30 Poster Presentations and Discussion

Yaroslav Syrota: The helminth fauna of rodents in Slovakia: a historical retrospective

Isabel Guadano Procesi: Presence and molecular diversity of zoonotic microsporidia in spleen samples from wild micromammals in Spain

Zuzana Hurníková: Of mice and men: the role of micromammals in the circulation of zoonotic parasites *Capillaria hepatica* and *Trichinella* spp.

Daniela Antolová: Small mammals – sentinels for *Toxoplasma gondii* in ecosystems with different levels of human activities in Slovakia

Rebecca Berg: Mustelids as hosts of *Toxoplasma gondii* in Denmark

Emo Gagović: Molecular and morphological studies on obligatory myiasis in wild cervids from Croatia

Isabel Guadano Procesi: *Blastocystis* occurrence and subtype diversity in wild ungulates: the Iberian Peninsula scenario

Katarzyna Filip-Hutsch: Molecular detection of *Trypanosoma* spp. and *Bartonella* spp. in deer keds (*Lipoptena cervi*) from European moose (*Alces alces*) in Finland

13.30–14.30 Lunch Break & Poster Viewing

14.30–16.00 Parasites of wildlife III

Chairs: Zuzana Hurníková and Marta Kołodziej-Sobocińska

14.30–14.45 Rosalina Rotovnik: *Echinococcus multilocularis*: Hotspot in red foxes in Denmark

14.45–15.00 Paweł Gładysz: An update on the prevalence of *Echinococcus multilocularis* in red foxes (*Vulpes vulpes*) in northern and north-eastern Poland

15.00–15.15 Rosalina Rotovnik: *Taeniids* in synanthropic rodents in Zealand, Denmark

15.15–15.30 Jacek Karamon: Grey wolves (*Canis lupus*) as a hosts of *Echinococcus multilocularis*, *E. granulosus* s.l. and other helminths – the new double zoonotic threat in Poland

15.30–15.45 Aleksandra Uzelac: *Echinococcus* spp. in golden jackals (*Canis aureus*)

15.45–15.55 Poster Presentations and Discussion

Karolina Baranowicz: *Echinococcus multilocularis* in red foxes (*Vulpes vulpes*) and hunting dogs in hunting areas of Pomeranian Province, Poland

Salvatore Andrea Cafiero: The circle of *Echinococcus multilocularis*: first detection of intermediate host in a highly endemic region in Northeastern Italy

16.00–16.30 Coffee Break

16.10–16.30 Sponsor Presentation

EPENDORF: Streamline your workflow with pipetting automation

16.30–17.30 Parasites of wildlife IV

Chairs: Boris Krasnov and Andrei Daniel Mihalca

16.30–16.45 Tchoumbou Melanie Adele: Exo-erythrocytic development of *Haemoproteus* parasites in the Thrush nightingale *Luscinia luscinia* with first report of abortive development

16.45–17.30 Poster Presentations and Discussion

Valeriia Dupak: Comparison of helminth communities of wintering rooks, *Corvus frugilegus* (Aves, Corvidae) in the cities of Poltava and Kyiv, Ukraine

Izabella Rząd: Helminths of *Sylvia* spp. collected during spring migration on the south-eastern flyway

Evelina Juozaityte-Ngugu: First observations of buzzards (*Buteo*) as definitive hosts of *Sarcocystis* parasites forming cysts in the brain tissues of rodents in Lithuania

Tautvilė Šukytė: Molecular based identification of *Accipiter gentilis*, *Accipiter nisus* and *Buteo buteo* as possible definitive hosts of numerous *Sarcocystis* spp.

Paulina Kozina: Current data on the parasitofauna of the grey seal *Halichoerus grypus* (Carnivora: Phocidae) from the southern Baltic Sea

Maija Seleznova: Anisakidea nematodes in the grey seals (*Halichoerus grypus*) and fish of the Eastern Baltic Sea

Paulina Kozina: Differences in the structure of the juvenile stages of the common *Hoplopleura lice* (Psocodea: Anoplura) in Europe

Simonetta Mattiucci: First identification of multiple *Blastocystis* subtypes in marine turtles and cetaceans from Mediterranean Sea using amplicon-based next generation sequencing

Iva Štimac: First description of ectoparasitic mite *Hemipteroseius adleri* (Acari: Otopheidomenidae) on the red firebug *Pyrrhocoris apterus* (Heteroptera: Pyrrhocoridae) in Croatia

UNIVERSITY OF WROCLAW ROOM

10.00–11.30 Immunological aspects of host-parasite interactions (immunopathology and allergy)

Chairs: Michael Stear and Katarzyna Goździk

10.00–10.15 Agnieszka Pawełczyk: Human immunodeficiency virus and *Toxoplasma gondii* coinfection is associated with exacerbated exhaustion

10.15–10.30 Kacper Packi: Alpha-gal syndrome in patient infected with *A. lumbricoides*: a possible causal role of exposure to parasitic antigens for galactose- α -1,3-galactose sensitization and elicitation of clinical reactivity

10.30–10.45 Janina Lekki-Jóźwiak: Pro-inflammatory properties of *Toxocara* excretory-secretory antigens

10.45–11.00 Anna Zawistowska-Deniziak: Deciphering the immunomodulatory role of *Fasciola hepatica* FABPs

11.00–11.30 Poster Presentations and Discussion

Mateusz Pękacz: Identifying and evaluating short peptides for enhanced diagnosis of toxocarosis

Ewa Długosz: Characteristics of *Toxocara canis* induced lung inflammation in C57BL/6J mice

Robert Stryński: A miRNA catalog from extracellular vesicles of *Anisakis simplex* provides new clues to the host-parasite relationship

Justyna Karabowicz: Macrophage migration inhibitory factor from *Dirofilaria repens* (Dre-MIF-1) shows anti-inflammatory effects increasing IL-10 and decreasing TNF level in LPS activated macrophages

Anna Zawistowska-Deniziak: Characterization of the family of fatty acid-binding proteins (FABP) in *Fasciola hepatica*

11.30–12.00

Coffee Break

12.00–13.30

Host-parasite interactions (with microbiome relationship)

Organiser: Jeroen Saeij

Chairs: Jeroen Saeij and Kornélia Kurucz

12.00–12.14

Jeroen Saeij: Using CRISPR to dissect *Toxoplasma's* arsenal for host manipulation

12.15–12.28

Kornélia Kurucz: Characterizing the bacterial microbiome of the invasive vector *Aedes albopictus* in Hungary: a pilot study using Oxford Nanopore sequencing

12.29–12.42

Martyna Krupińska: Analysis of the influence of extrinsic and intrinsic factors on host-microbiome-endoparasite relationships in wild rodents

12.43–12.56

Marco Lalle: Effects of Giardavirus infection in the course of *Giardia duodenalis*/human enterocyte *in vitro* interaction

12.57–13.10

Jun Ye: Impact of reactive sulfur species on *Entamoeba histolytica*: modulating viability, motility, and biofilm degradation capacity

13.11–13.24

Camilo Ayra-Pardo: Fishing for dominant antigens of *Anisakis* spp. in European hake through colony immunoblotting of complementary DNA expression libraries

13.25–13.30

Poster Presentations and Discussion

Emília Dvorožňáková: Enterocin M and Durancin ED26E/7 from beneficial *Enterococci* modulate intestinal lymphocytes in mice infected with *Trichinella spiralis*

Emília Dvorožňáková: T and B cell activity in the spleen of mice with experimental trichinellosis and enterocins/enterococci therapy

Olena Nahimova: *Dirofilaria immitis* infection in *Aedes vexans* (Culicidae) is associated with changes in gut microbiome composition

Katarzyna Nadolna-Ałtyn: Accumulation of metals by tapeworm parasite *Eubothrium* sp. in salmon *Salmo salar* from the southern Baltic Sea

Katarzyna Nadolna-Ałtyn: Anisakidae nematodes as transporters of bacteria to the muscle tissue of cod *Gadus morhua*- the Baltic Sea case study

Marlena Jodłowska: *Plasmodium falciparum* EBA-181 merozoite ligand – in search of its receptor on human erythrocytes

Fernando Cardoso: A novel faster method to isolate viral dsRNA from several organisms including parasites

13.30–14.30

Lunch Break & Poster Viewing

14.30–16.00

Update on *Toxoplasma* infection epidemiology and diagnosis

Organiser: Olgica Djurkovic-Djakovic

Chairs: Olgica Djurkovic-Djakovic and Florence Robert-Gangneux

14.30–14.50

Florence Robert-Gangneux: Diagnostic tools for toxoplasmosis: a moving landscape

14.50–15.10

Aleksandra Uzelac: Isolation, genotyping and phenotype analysis of European *Toxoplasma gondii* strains – what have we discovered?

15.10–15.25

Jacek Sroka: Molecular prevalence of *Toxoplasma gondii* in raw meat products sold in Poland. Assessment of the viability of detected parasites

15.25–15.35

Maciej Chyb: Toward an effective toxoplasmosis vaccine

15.35–15.42

Olivera Lijeskić: Computational image analysis of *Toxoplasma gondii* in vero cells: ToxoReTREAT project

15.42–16.00

Poster Presentations and Discussion

Đorđe Zlatković: Experimental chemotherapy of reactivated toxoplasmosis: repurposing and de novo synthesis of acridine and acridone derivatives

Jacek Sroka: Molecular confirmation of the systemic toxoplasmosis in cat

Florence Robert-Gangneux: What is the added value of anti-*Toxoplasma* IgA for the serological diagnosis of congenital toxoplasmosis in 2024?

Bartłomiej Ferra: *Toxoplasma gondii* recombinant trivalent chimeric proteins as an alternative to *Toxoplasma lysate* antigen (TLA) in Enzyme-Linked Immunosorbent Assay (ELISA) for the detection of IgG in farm animals
Fernando Cardoso: Development of novel diagnostic assays for toxoplasmosis

16.00–16.30 Coffee Break

16.30 – 18.00 EFP Assembly

LECTURE ROOM 1

10.00–11.30 Symposium: Artificial intelligence and digital health: multidisciplinary examination of potential applications in geospatial analysis I

Organiser: Laura Rinaldi

Chairs: Laura Rinaldi, Robert Bergquist, Sherif Amer

10.00–10.05 Sherif Amer: The International Society of Geospatial Health

10.05–10.20 Laura Rinaldi: Geospatial tools and digital health for sustainable strategies to control cystic echinococcosis in endemic areas

10.20–10.35 Sherif Amer: Geospatial Health: development of a maturing scientific journal 2006-2023

10.35–11.30 Discussion

11.30–12.00 Coffee Break

12.00–13.30 Symposium: Artificial intelligence and digital health: multidisciplinary examination of potential applications in geospatial analysis II

Chairs: Laura Rinaldi, Robert Bergquist, Sherif Amer

12.00–12.15 Smaragda Sotiraki: Machine learning and eXplainable artificial intelligence for the prevention of waterborne Cryptosporidiosis and Giardiasis

12.15–12.30 Paola Pepe: Development of an automated system to recognize and count parasitic elements of veterinary and medical relevance

12.30–12.45 Jorge Rocha: Analysis of spatial determinants of community-acquired pneumonia incidence in Portugal mainland

12.45–13.00 Jorge Rocha: The importance of the urban environment for the sentiment during the COVID-19 pandemic

13.00–13.30 Discussion

13.30–14.30 Lunch Break & Poster Viewing

14.30–16.00 Novel perspectives for treatment and drug resistance

Chairs: Bohumil Sak and Jolanta Piekarska

14.30–15.00 Jacob Golenser: Treatment of cerebral malaria

15.00–15.15 Adriana Györke: Efficacy of a feed phyto-additive in the prophylaxis of chicken coccidiosis

15.15–15.30 David Leitsch: Comparative proteomic analysis of metronidazole-sensitive and resistant *Trichomonas vaginalis* suggests a novel mode of metronidazole action and resistance

15.30–15.45 Anna Stachyra: Assessing the application potential of selected proteins of the *Trichinella* parasite

15.45–16.00 Poster Presentations and Discussion

Kateryna Slivinska: Gastrointestinal parasites of Polish primitive horses with annotations on benzimidazole-resistant strongyle species

Anna Bogucka-Kocka: Searching for new chemical structures with potential nematicidal activity

Katarzyna Goździk: The impact of glucuronides derived from common marigold (*Calendula officinalis*) on *Toxoplasma gondii* tachyzoites

Rebeka Csiba: Consequences of long-term usage of unilateral mosquito control in Hungary: analyzing pyrethroid resistance in *Culex pipiens* and *Aedes albopictus*

Galya Popova: Chemotherapy of trichinellosis caused by *T. britovi*

Dana Květoňová: Effect of selected Indonesian plants on *Giardia intestinalis* in experimental *in vitro* model

Maciej Grobelski: The ability to prefer blood in leeches of the *Hirudo* genus and the potential use of this preference in hirudotherapy

16.00–16.30 Coffee Break

16.30–18.00	Recent trends in the epidemiology of leishmaniasis Organiser: Florence Robert-Gangneux Chairs: Florence Robert-Gangneux and Homa Hajjaran
16.30–16.50	Florence Robert-Gangneux: Imported cutaneous leishmaniasis in a non-endemic country: impact of biodiversity on the management and prognosis
16.50–17.05	Homa Hajjaran: Unveiling the impact of <i>Leishmania</i> parasite viruses (LRV2) on pathogenesis: insights from parasitological perspective
17.05–17.15	Marco Pombi: Distribution patterns of <i>Leishmania infantum</i> vectors in Italy under climate change scenarios
17.15–18.00	Poster Presentations and Discussion Sama Rashidi: A candidate vaccine for <i>Leishmania major</i> base on Gp63, LACK, TSA, LmSTI1 and KMP11 antigens and evaluation in BALB/c mice Barbara Šoba: Patient-centred approach using telemedicine for remote monitoring of cutaneous <i>Leishmania infantum</i> leishmaniasis Florence Robert-Gangneux: Evaluation of DNA extraction protocols for effective surveillance of <i>Leishmania</i> -infected Phlebotomine sand flies Franjo Martinković: Cross-reactivity of canine antibodies with <i>Leishmania infantum</i> and <i>Trypanosoma cruzi</i> antigen Franjo Martinković: Seroprevalence of <i>Neospora</i> , <i>Babesia</i> and <i>Leishmania</i> in dogs in Istria, Croatia Mohammad Sadaghian: Current status of <i>Leishmania infantum</i> prevalence in rural regions' dogs of Shabestar county, northwestern Iran

LECTURE ROOM 2

10.00–11.30	Sponsor session
10.00–10.45	VETEXPERT: Zoonotic Diseases and the Modern Human-Animal Relationship: Risks and Challenges
10.45–11.00	MICRO SOLUTIONS: LIMS for a Parasitology Lab Case Study: Department of Biology and Medical Parasitology, Wrocław Medical University
11.00–11.15	BIO-RAD: Bio-Rad your partner in parasitological research
11.30–12.00	Coffee Break
12.00–13.30	Diagnostics of parasites Chairs: Julia Walochnik and Daniel Młocicki
12.00–12.15	Damien Costa: Evaluation of the PAPRIKA method for predicting <i>Cryptosporidium</i> contamination of karst water resources
12.15–12.30	Shirin Akter: Cell-free DNA as a novel diagnostic biomarker for parasite infections in dog
12.30–12.45	Zahra Navi: Comparison of indirect Elisa specificity and sensitivity after fast protein liquid chromatography (FPLC) of <i>Toxocara canis</i> somatic antigen to diagnose human toxocariasis
12.45–13.00	Isabel L. Maurício: Detection of <i>Fasciola hepatica</i> by LAMP and PCR in intermediate hosts from Portugal
13.00–13.15	Anna Zawistowska-Deniziak: In search of <i>Echinococcus multilocularis</i> diagnostic markers
13.15–13.30	Poster Presentations and Discussion Przemysław Kołodziej: Contemporary challenges of medical parasitological diagnostics – using their own observations Florence Robert-Gangneux: Comparison of the performance of the AllPlex GI Parasite® assay (Seegene) and microscopy for the diagnosis of intestinal parasites in routine Patricia Elena Mihailescu: External quality control an useful and necessary instrument in daily routine for the parasitologists in clinical laboratories Claudia Mihaela Istrate: Multiplex qPCR a powerful technique for the diagnosis of the intestinal protozoan infections Anna Lisowska: Frequency of parasitic infestation in faecal specimens in patients from Malopolskie region of Poland, examined between 2020 and 2023
13.30–14.30	Lunch Break & Poster Viewing
14.30–16.00	WORKSHOP <i>Cryptosporidium</i> typing Organisers: Christen Rune Stensvold, Rachel Chalmers and Martin Kváč
16.00–16.30	Coffee Break

EUROPEAN UNION ROOM

09.00– 09.45	PLENARY LECTURE Michael Stear: Modern methods of data analysis in nematode infections
10.00–11.30	Emerging parasitoses and zoonoses in Europe – questions about the future I Organisers: Thomas Roming, Adriano Casulli and Grègory Karadjian Chairs: Thomas Roming and Adriano Casulli
10.00–10.40	Thomas Romig and Adriano Casulli: <i>Echinococcus multilocularis</i> in Europe – still emerging?
10.40–10.55	Jenny Knapp: A 40-year collection of epidemiological and clinical data on 906 patients: The French alveolar echinococcosis registry
10.55–11.10	Gérald Umhang: Spatial distribution and genetic diversity of <i>Echinococcus multilocularis</i> in foxes in central France, a focus of human cases in the 1980's
11.10–11.25	Ana Alexandra Paduraru: Cystic echinococcosis in children and adults from Western Romania: 2007-2022
11.25–11.30	Poster Presentations and Discussion Viliam Šnábel: Epidemiological aspects and genetic diversity of <i>Echinococcus multilocularis</i> in Slovak patients, 2000-2023 Viliam Šnábel: Genotypes G1 and G3 of <i>Echinococcus granulosus sensu stricto</i> – host distribution, cyst fertility and organ tropism. Anna Lass: <i>Echinococcus multilocularis</i> in surface water samples from endemic region of QTP, China Joanna Nowicka: Comparison of the prevalence of <i>Echinococcus multilocularis</i> in dogs living in shelters from two regions – Pomeranian and Warmian-Masurian Voivodeships
11.30–12.00	Coffee Break
12.00–13.30	Emerging parasitoses and zoonoses in Europe – questions about the future II Chairs: Grègory Karadjian and Gunita Deksne
12.00–12.20	Grègory Karadjian: Last years emerging parasites in Europe – a challenge on how to anticipate
12.20–12.32	Lukáš Ihnacik: Shedding light of the helminths infections in “hungry valleys” in Slovakia
12.32–12.44	Ewa Bil ska-Zajac: Trich-tracker for tracing inbred parasite outbreaks
12.44–12.56	Maria Teresa Bispo: Estimating the risk of zoonotic trematodes through the impact of bioecological determinants on the population distribution of freshwater snails in the Alqueva Dam lake, Alentejo region, Portugal
12.56–13.08	Anastasios Ligdas, Smaragda Sotiraki: Molecular identification of <i>Giardia duodenalis</i> and <i>Cryptosporidium</i> spp. from immigrants in Greece
13.08–13.20	Sasa Vasilev: <i>Trichinella</i> infection in Serbia: advancements, risks, and the path to safe consumption
13.20–13.30	Poster Presentations and Discussion Pia Rapp: High prevalence of <i>Eucolous</i> detected in shelter cats while the endoparasite prevalence of dogs and pet cats is low in Finland Galya Popova: Cysticercosis of the muscles and central nervous system Maria Teresa Bispo: Molecular detection of cercariae of <i>Posthodiplostomum</i> sp., etiological agent of black spot disease in fish, released from <i>Physella acuta</i> collected in the Alqueva Dam lake, Alentejo region, Portugal. Simonetta Mattiucci: Investigating the host-parasite genetic architecture and immune response in human anisakiasis in Italy caused by <i>Anisakis pegreffii</i> Jacek Karamon: <i>Echinococcus multilocularis</i> genetic diversity based on samples from pigs – confirmation of the characteristic haplotypes distribution and the presence of Asian-like haplotype in Poland Mohammad Sadaghian: Survey on <i>Neospora caninum</i> prevalence in rural regions' dogs of Shabestar county, northwestern Iran
13.30–14.30	Lunch Break & Poster Viewing
14.30–16.00	Fish parasitology I Organisers: Bahram Sayyaf Dezfuli and Marcin Popiołek Chairs: Simonetta Mattiucci and Andrea Vetešniková Šimková
14.30–14.45	Bahram Sayyaf Dezfuli: Chub enteric tapeworm: Cestode glandular products - a sign of parasite defence mechanism against fish immune response?
14.45–15.00	Bahram Sayyaf Dezfuli: Polyparasitism in sea bass: magnificence of parasites adaptation and host tolerance

- 15.00–15.15 **Maureen Duflot:** Anisakidae in the English Channel and the North Sea: review of the literature, gap identification and preliminary data
- 15.15–15.30 **Maureen Duflot:** Biodiversity and infestations by *Cryptocotyle* (Digenea) of fish in the ecosystems of the English Channel and the North Sea
- 15.30–15.45 **Joanna Pawlak:** Small pelagic fish as transmitters of the Anisakidae nematodes in the southern Baltic Sea
- 15.45–16.00 **Katarzyna Nadolna-Ałtyn:** Emerging parasites of Salmon *Salmo salar* sampled in the Polish marine waters, southern Baltic Sea
- 16.00–16.15 **Simonetta Mattiucci:** Genetic variability in the anisakid *Contracaecum osculatum* B over a temporal scale: a tool for monitoring the food webs in sub-Arctic Sea?

16.15–16.30 **Coffee Break**

16.30–18.00 **Fish parasitology II**
Chairs: Bahram Sayyaf Dezfuli and Marcin Popiołek

- 16.30–16.45 **Andrea Vetešníková Šimková:** Trematode *Diplostomum pseudospathaceum* inducing differential immune gene expression in sexual and gynogenetic gibel carp (*Carassius gibelio*), an invasive freshwater fish
- 16.45–17.00 **Stanislav Šimin:** Zoonotic parasites in common freshwater fish species in Serbia
- 17.00–18.05 **Poster Presentations and Discussion**
- Tetiana A. Kuzmina:** Multi-year assessments on the *Notothenia coriiceps* helminth community dynamics: a summary of 2002–2021 non-annual observations near the Ukrainian Antarctic Station “Akademik Vernadsky”
- Lukáš Vetešník:** MHC diversity and parasite load driving invasive success of gibel carp (*Carassius gibelio*): temporal changes in host-parasite interactions
- Simona Georgieva:** Parasite diversity in Antarctic fishes (Teleostei: Nototheniinae) off the Livingston Island in the Southern Ocean, West Antarctica
- Grégory Karadjian:** *In vivo* study on the zoonotic potential of *Cryptocotyle lingua* (Digenea)
- Andrea Vetešníková Šimková:** Decoding the rich diversity of monogeneans on catostomid fishes (Catostomoidei, Cypriniformes): A first insight into the internal phylogeny of the Pseudomurraytrematidae
- Andrea Vetešníková Šimková:** New discovery in the USA and phylogenetic position of *Salsuginus* parasite (Monogenea: Dactylogyridae) associated with the western mosquitofish, *Gambusia affinis*
- Fernando Atroch:** distribution of *Anisakis* sp. larvae in the muscle of European hake (*Merluccius merluccius* Linnaeus, 1758) off the south-east of Ireland and methods to reduce its infection risk
- Fernando Atroch:** *Grillotia* sp. (Cestoda: Trypanorhyncha) of Pouting (*Trisopterus Luscus* (Linnaeus, 1758)) collected in Portuguese waters and their risk to food safety
- Fernando Atroch:** Microsporidia parasite of pouting (*Trisopterus Luscus* (Linnaeus, 1758)) collected in Portuguese waters and their risk to food safety
- Maria João Santos:** Nematoda parasites from European hake (*Merluccius merluccius*)
- Maria João Santos:** Preliminary results of the analysis of the community of gill macroparasites of pouting, *Trisopterus Luscus* (Linnaeus, 1758) off the Portuguese waters
- Paula Ramos:** *Nybelinia* sp. (Cestoda: Trypanorhyncha) of pouting (Linnaeus, 1758) collected in Portuguese waters and its risk to food safety
- Paula Ramos:** The potential of methods to visualize and isolate larval *Anisakis* applied to the assessment of the number of larvae in the viscera and the prediction of parasite load on Scabbardfish muscle
- Olga Lisitsyna:** Acanthocephalans from freshwater fishes in northeast Thailand

UNIVERSITY OF WROCLAW ROOM

- 10.00–11.30 **Vector-borne pathogens and diseases I**
Organiser: Anna Bajer
Chairs: Anna Bajer, Marco Pombi and Martina Miterpakova
- 10.00–10.20 **Anna Bajer:** *Dirofilaria* spp. spread and genetic diversity in north-eastern Europe
- 10.20–10.35 **Marco Pombi:** Optimizing mosquito-borne disease surveillance with BG-sentinel trap equipped with FTA card
- 10.35–10.50 **Mateusz Pękacz:** From the shadows of war: molecular surveillance of dirofilariosis in stray dogs and cats as indicators of zoonotic risk in Ukraine
- 10.50–11.05 **Aleksandra Sędzikowska:** Pathogens transmitted by mosquitoes in Warsaw and the surrounding area – preliminary results
- 11.05–11.20 **Mohammed Alsarraf:** The role of fleas as a vectors of *Bartonella* sp. and the genetic diversity of *Bartonella* sp. in rodents and fleas
- 11.20–11.30 **Poster Presentations and Discussion**

11.30–12.00 Coffee Break

12.00–13.30 Vector-borne pathogens and diseases II

Chairs: Anna Bajer, Martina Miterpakova and Renata Welc-Falęciak

12.00–12.15 Agnieszka Pawełczyk: Incidence of Lyme borreliosis following *Ixodes ricinus* tick bite in Poland

12.15–12.30 Bohumil Sak: Tick-borne microsporidiosis: ticks as a neglected source of human microsporidian infections?

12.30–12.45 Katarzyna Tołkacz: The first report on Hepatozoon canis in dogs and wolves in Poland: clinical and epidemiological features

12.45–13.00 Sajjad Ghodrati: Brown dog ticks collected in Romania and Hungary: molecular identification and pathogens

13.00–13.15 Anna Bajer: Genotyping of *Babesia* spp. in deer and cats in Poland

13.15–13.25 Julia Koczwarska: Coexistence of *Borrelia* with different tick-borne pathogens in *Ixodes ricinus* ticks from Poland – do coinfections influence occurrence and loads of pathogens in ticks?

13.25–13.30 Poster Presentations and Discussion

POSTERS:

Martina Miterpáková: The heartworm parasite (*Dirofilaria immitis*) became endemic in Slovakia

Dagmara Wężyk: Associations between *Babesia*, *Borrelia* and *Theileria* and tick vectors in different ecosystems of the world

Wiktoria Romanek: Vector role of *Hyalomma* ticks: comparison of prevalence of infection between ticks collected from two CCHFV-endemic countries (Mongolia and Iraq)

Shirin Akter: Molecular detection of haematozoan parasites in poultry of Bangladesh

Kateryna Slivinska: Molecular detection of *Trypanosoma* spp. and *Bartonella* spp. in Polish primitive horses *Equus caballus* in Poland: preliminary study

Katarzyna Kubiak: Spotted fever group *Rickettsia* spp. in questing *Ixodes ricinus* ticks in north-eastern Poland

Renata Welc-Falęciak: *Rickettsia* species in *Dermacentor reticulatus* ticks feeding on human skin and clinical manifestations of tick-borne infections after tick bite

Renata Welc-Falęciak: Seroprevalence of *Toxoplasma gondii* and *Borrelia burgdorferi* infections in patients with multiple sclerosis in Poland

Zsaklin Varga: Investigating the contributions of native and *Aedes* invasive mosquito species to the spread of Filarial nematodes in a southwestern city in Hungary

Dorota Kiewra: Update on the occurrence of *Dermacentor reticulatus* in the Wrocław Agglomeration, SW Poland

Karolina Baranowicz: Occurrence of *Anaplasma phagocytophilum* and *Borrelia burgdorferi* s.l. in *Dermacentor reticulatus* ticks in the Chernobyl Exclusion Zone, Chernobyl, Ukraine. Preliminary results.

Daria Jurković Žilić: Molecular investigation of *Rhipicephalus* ticks and their pathogens from Croatia

Maria Lipiecka: Occurrence of the meadow tick *Dermacentor reticulatus* in recreational areas of the city of Poznań and associated risks

Ina Hoxha: Zoonotic tick-borne pathogens in *Ixodes ricinus* complex (Acari: Ixodidae) from urban and peri-urban locations of Kosovo

Sylwia Koczanowicz: The risk of human exposure to ticks and selected tick-borne diseases on nature-educational and tourist trails in Poprad Landscape Park (Małopolskie Voivodeship)

Seda Adamyan: *Leishmania* spp. and *Dirofilaria* spp. in dogs in Armenia

13.30–14.30 Lunch Break & Poster Viewing

14.30–16.00 Alien and invasive host species and parasites

Organiser: Hans-Peter Fuehrer

Chairs: Maria Unterköfler and Elżbieta Żbikowska

14.30–14.50 Hans-Peter Fuehrer: The impact of global change on parasites, vectors and vector-borne pathogens

14.50–15.05 Volodimir Sarabeev: Symbiotic species diversity can explain invasion success and stability of the host-parasite system

15.05–15.20 Gérald Umhang: Occurrence and initial distribution of *Baylisascaris procyonis* in wild raccoons in France

15.20–15.35 Camilo Ayra-Pardo: *Rhynchophorus ferrugineus* in Portugal: invasive pathways, phoretic mites, and genetic diversity

15.35–15.50 Elżbieta Żbikowska: Molluscs alien to Europe as hosts of trematodes

15.50–16.00 Poster Presentations and Discussion

Anna Cichy: Alien to Europe *Potamopyrgus antipodarum* (Gray, 1843) snails reduce the infection of *Echinoparyphium aconiatum* (Trematoda: Digenea) metacercariae in native lymnaeids

Marcin Popiołek: The role of raccoon latrines in the transmission of the nematode *Baylisascaris procyonis* to native vertebrate species

16.00–16.30 Coffee Break

16.30–18.00 Young Scientist Award Session II
Chairs: Bonnie Webster and Laura Rinaldi

Julia Gabrysiak: When one become three – species diversity of *Cotylurus* spp. parasitizing in swans in the light of molecular data and integrative approach

Milan Miljević: Molecular analysis of *Hydatigera parva*: parasite identification in autochthonous Iberian small mammals, Spain

Mateusz Pękacz: The great escape: unveiling the immunomodulatory properties of *Dirofilaria antigens* using an moDC *in vitro* model

Giulia Rigamonti: *In vitro* efficacy of red lapacho (*Tabebuia avellanedae*) against *Giardia duodenalis*

Cecilia Wangari Wambui: Point-of-care molecular diagnostics for schistosomiasis surveillance using environmental DNA

LECTURE ROOM 1

10.00–11.30 Snails, trematodes and diseases
Chairs: Bonnie Webster and Petr Horák

10.00–10.14 **Anya Tober:** The hidden parasitome: digenean diversity in African National Parks

10.14–10.28 **Isabel L. Maurício:** Passive environmental DNA samplers for *Schistosoma* spp. and freshwater snail eDNA capture and detection in water

10.28–10.42 **John Archer:** Molecular diagnosis of intestinal schistosomiasis: an overview of current protocols and what is needed, highlighted using data from a *S. mansoni* and *S. haematobium* co-endemic area

10.42–10.56 **Bonnie Webster:** Phylogeography of *Schistosoma bovis*, *S. curassoni* and associated *S. haematobium* group hybrids across sub-Saharan Africa; revealed by mitochondrial *cox1* analyses

10.56–11.10 **Murilo Sena Amaral:** Long non-coding RNAs putatively involved with *Schistosoma mansoni* resistance to Praziquantel

11.10–11.24 **Adam Cieplinski:** The Schistosome and Snail Resource (SSR)– maximising snail and cercariae production by investigating snail-schistosome compatibility

11.24–11.30 Poster presentation and Discussion

Negar Bizhani: Elimination of schistosomiasis in Iran: a re-emerging risk and challenging issue

11.30–12.00 Coffee Break

12.00–13.30 Biology and taxonomy of helminthes
Chairs: Simona Georgieva and Grzegorz Zaleśny

12.00–12.15 **Anna Maria Pyziel:** Update on systematics of deer large lungworms: the last missing piece of puzzle in discussion on validity of *Dictyocaulus eckerti*

12.15–12.30 **Serena Cavallero:** Characterization of extracellular vesicles from three zoonotic nematodes: *Anisakis*, *Ascaris* and *Dirofilaria*

12.30–12.45 **Anita Rani Dey:** Morphological and phylogenetic analysis of *Raillietina*, the most common cestode in indigenous chickens (*Gallus gallus domesticus*) in Bangladesh

12.45–13.00 **Farshad Nejat:** The tapestry of the Middle East: diversity and phylogeny of *Dactylogyrus* reveal the evolutionary pattern of parasites and their cyprinoid fish hosts

13.00–13.15 **Ema Gagović:** Molecular screening of tapeworms with COI and NADH genes from Croatian wildlife

13.15–13.30 **Karina Vanadzina:** Environmental and anthropogenic drivers of parasite distribution throughout Holocene: a meta-analysis

13.15–13.30 Poster Presentations and Discussion

Severine Lallemand: Phylogenetic inference of *Echinococcus multilocularis* by whole mitochondrial sequencing

Zuzana Čadková: Effect of arsenic exposure on rat tapeworm *Hymenolepis diminuta* in *in vitro* model with intestinal cells

Marialetizia Palomba: First record of *Flamingolepis liguloides* in *Artemia parthenogenetica* from a Mediterranean extreme environment, Le Saline dei Monaci (Apulia Region, Italy)

Beatrice Belli: The role of temperature and salinity in hatching success of *Contraecum rudolphii* sp. A and sp. B (Nematoda: Anisakidae)

Konstantinos Arsenopoulos: Molecular identification and high genetic diversity of *Haemonchus* spp. in domestic ruminants of Greece

Julia Gabrysiak: Molecular diversity of the genus *Ichthyocotylurus* (Digenea, Strigeidae) from gulls (Laridae) in central Europe

Simona Georgieva: Freshwater parasite diversity along a gradient of habitat degradation: a case study from Cambodia, South-Est Asia

Karina Vanadzina: Why we should we care about extinct parasites! Constraints on the evolution and extinction of helminths with fossil evidence and modelling approaches

13.30–14.30 **Lunch Break & Poster Viewing**

14.30–16.00 **Symposium: Parasites and Vectors in a Warming World: predicting and preparing for future scenarios I**

Organiser: Anna-Sofie Stensgaard

Chairs: Anna-Sofie Stensgaard and Laura Rinaldi

14.30–14.50 **Anna-Sofie Stensgaard:** Breaking down the siloes to prevent and prepare for climate-sensitive vector-borne disease in Africa and Europe: the PREPARE4VBD approach

14.50–15.05 **Mita Eva Sengupta:** Application of environmental DNA-based monitoring of vector snails and liver fluke transmission across different field settings along a latitudinal gradient from Denmark to South Africa

15.05–15.20 **Jennifer Upfold:** Investigating the impact of heat stress on *Fasciola intermediate* host snail immune defenses and life history traits across a latitudinal gradient (Denmark, Italy, Uganda, Tanzania and South Africa)

15.20–15.35 **Maria Paola Maurelli:** *Fasciola hepatica* and *Lymnaeidae* host snails in southern Italy

15.35–15.50 **Mita Eva Sengupta:** Dynamics of *Fasciola hepatica* and vector snail populations after an extreme summer drought event in Denmark

15.50–16.00 **Discussion**

16.00–16.30 **Coffee Break**

16.30–18.00 **Symposium: Parasites and Vectors in a Warming World: predicting and preparing for future scenarios II**

Chairs: Mita Eva Sengupta and Maria Paola Maurelli

16.30–16.50 **Tiem Van der Deure:** Combining vector snail habitat suitability and parasite infection models to map the risk of *Fasciola gigantica* in Africa under current and future climates

16.50–17.05 **Anna-Sofie Stensgaard:** A citizen-science-based approach to mosquito monitoring – experiences from a car-netting project in Denmark

17.05–17.20 **Mita Eva Sengupta:** Investigation of *Ixodes ricinus* tick infections and associated microbiome composition across a variety of human-impacted landscapes in two macro-climatic zones

17.20–17.35 **Barbara Šoba:** Evidence of autochthonous transmission of *Dirofilaria repens* in Slovenia

17.35–18.00 **Discussion**

LECTURE ROOM 2

11.30–12.00 **Coffee break**

12.00–13.30 **Young Scientist Award Session I**

Chairs: Bonnie Webster and Laura Rinaldi

Ilaria Bellini: Impact of *Anisakis* extracellular vesicles on human intestinal organoids: insights into immunomodulation and potential tumorigenic linkages

Maureen Duflot: The range of *Clinostomum complanatum* within French freshwater habitats hosting European perch (*Perca fluviatilis*)

Katarzyna Filip-Hutsch: Nematodes of the genus *Thelazia* as one of the potential cause of infectious keratoconjunctivitis in European bison in Poland

Karolina Kot: Do *Acanthamoeba* sp. have an impact on host kidneys? Immunological interactions between *Acanthamoeba* sp. and host

13.30–14.30 **Lunch Break & Poster Viewing**

14.30–16.00 **WORKSHOP Scientific writing and finding the best journal for papers on Medical Parasitology**

Organiser: Mohammad Bagher Rokni

20.00 **GALA DINNER**

EUROPEAN UNION ROOM

09.00–10.30	Parasitology research from One Health perspective Organiser: Frank Katzer Chairs: Lucy Robertson and Frank Katzer
09.00– 09.20	Rachel Chalmers: A multilocus genotyping scheme for <i>Cryptosporidium parvum</i> that meets the One Health challenge
09.20– 09.35	Frank Katzer: Cattle and sheep as sources of environmental contamination with <i>Cryptosporidium parvum</i> oocysts: a risk for human infection
09.35– 09.50	Damien Costa: Epidemiology of cryptosporidiosis in France and new insights on parasitic viruses – importance of one health approach
09.50–10.05	Lucy Robertson: <i>Giardia duodenalis</i> – has molecular biology convinced us whether or not this is a zoonotic parasite
10.05–10.20	Adriano Casulli: Primary cerebral cystic echinococcosis in a child from Roman countryside (source attribution and scoping review)
10.20–10.30	Poster Presentations and Discussion Isabel Guadano Procesi: Molecular data of <i>Enterocytozoon bieneusi</i> from human and animal hosts in Italy Maira Mateusa: <i>Cryptosporidium</i> spp. and <i>Giardia</i> spp. from One Health perspective in Latvia Beata Szostakowska: Occurrence of <i>Blastocystis</i> in dogs and cats from animal shelters in a selected region of Poland (Pomeranian Voivodeship, north Poland)
10.30–12.00	Parasitology in multi-disciplinary projects /grants Organiser: Adriano Casulli Chairs: Adriano Casulli and Olgica Djurkovic-Djakovic
10.30–10.45	Adriano Casulli: Achievements of the “MEME” multidisciplinary project on <i>Echinococcus</i> spp. in Europe and beyond
10.45 - 11.00	Olgica Djurkovic-Djakovic: Understanding climate and environmental drivers of sand fly borne diseases: the CLIMOS project
11.00–11.15	Anna-Sofie Stensgaard: A cross-disciplinary alliance to PREdict and prePARE for climate sensitive vector-borne diseases in Africa and Europe: the PREPARE4VBD experience
11.15–11.30	Marta Kicia: JPIAMR project: Droplet Digital PCR and PCR-free BIOSensors for the diagnosis of resistance-associated SNPs in <i>Pneumocystis jirovecii</i> (DDBIOS)
11.30–11.45	Smaragda Sotiraki: LIFE MiCliFEED: tackling climate change through functional feed in small ruminants
11.45–12.00	Laura Rinaldi: SPRINGS: Supporting policy regulations and interventions to negate aggravated global diarrheal disease due to future climate shocks
12.00–12.15	Discussion
12.15 - 12.30	Coffee Break
12.30–13.30	CLOSING CEREMONY