

# XIII<sup>th</sup> SLOVAK AND CZECH PARASITOLOGICAL DAYS

XIII. SLOVENSKÉ A ČESKÉ PARAZITOLOGICKÉ DNI

## Parasites in the Heart of Europe 2



Košice, Slovakia, Congress Hotel Centrum

May 21 – 25, 2018

ORGANIZED BY THE  
Slovak Society for Parasitology  
Institute of Parasitology, Slovak Academy of Sciences  
Czech Society for Parasitology



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### JUDGING PANEL FOR STUDENT COMPETITION

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**CHAIR:** IVICA HROMADOVÁ [*Institute of Parasitology SAS, Košice, SK*]

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GRZEGORZ ZALEŚNY [*Wrocław University of Environmental and Life Sciences, PL*]

## MONDAY, MAY 21

08.00 **Registration**

09.00–09.15 **Opening** (Ivica Hromadová – President of the Slovak Society for Parasitology)

### **Session I – Helminths: Diversity, Taxonomy and Ultrastructure**

(Chairman: David Bruce Conn)

#### **Plenary lecture**

09.15–09.45 **Jiří Vorel, Jana Ilgová, Pavel Roudnický, Libor Mikeš, Hana Dvořáková, Lucie Jedličková, Dáša Jirsová, Hynek Strnad, Roman Leontovyč, Ewa Dzika, Božena Koubková, Lukáš Vetešník, David Potěšil, Zbyněk Zdráhal, Marie Jankůjová, Jan Oppelt, Pavel Jurajda, Milan Gelnar, Martin Kašný (CZ)**  
“Omics” of Monogeneans

#### **Oral presentations**

09.45–10.00 **Grzegorz Zalesny, Pyrka E., Joanna Hildebrand, Marta Kolodziej-Sobocinska, Andrzej Zalewski (PL)**

Genetic Structure of the Population of *Isthmiophora melis* in Poland

10.00–10.15 **Jan Magdálek, Zuzana Čadková, Jaroslav Vadlejch (CZ)**

*Quo vadis Ashworthius sidemi?* Current Status of a Non-Native Parasite in the Czech Republic

- **Student presentation**

10.15–10.30 **Eva Bazsalovicsová, Ivica Králová-Hromadová, Bing-Wen Xi, Jan Štefka (SK)**

Invasive parasite of common carp *Atractolytocestus huronensis* (Cestoda); a tour around four continents

10.30–10.45 **Alžbeta Koleničová, Eva Bazsalovicsová, Ivica Králová-Hromadová, Gabriel Minárik, Jan Štefka (SK)**

Development of Polymorphic Microsatellite Loci for Broad Fish Tapeworm *Dibothriocephalus latus* (syn. *Diphyllobothrium latum*)

- **Student presentation**

10.45–11.15 **Coffee & Tea**

**Discussion at posters I.1 – I.12**

11.15–11.30 **Martina Matoušková, Magdaléna Bruňanská, Tomáš Bílý, Jana Nebesářová (SK)**

Spermiogenesis and Ultrastructure of the Spermatozoon of the Caryophyllidean Cestode *Caryophyllaeides fennica* (Schneider, 1902)

- **Student presentation**

11.30 –11.45 **Oldřich Vondráček, Pavel Talacko, Roman Leontovyč, Jana Bulantová, Petr Horák (CZ)**

Laser Microdissection-Based Proteomics of Helminth Tissues

- **Student presentation**

11.45–12.00 **Michal Benovics, Yves Desdevises, Radek Šanda, Jasna Vukić, Andrea Šimková (CZ)**

New Insights to the Coevolutionary Relationships of Host-Specific Monogeneans and their Peri-Mediterranean Cyprinid Hosts

- **Student presentation**

12.00–12.15 **Kateřina Vyčítalová, Božena Koubková, Andrea Šimková (CZ)**

Diplozoids (Monogenea) from the Endemic Cyprinid Species from Mediterranean Area: Diversity and Phylogeny

- **Student presentation**

- 12.15–12.30 **Maria Lujza Červenka Kičinja, Mária Seifertová, Milan Gelnar, Eva Řehulková (CZ)**  
Phylogenetic Relationships among Dactylogyrid Species from African Tetras  
- **Student presentation**
- 12.30–12.45 **Tomáš Pakosta, Lukáš Vetešník, Andrea Šimková (CZ)**  
A Long Temporal Study of Red Queen Dynamics in Diploid-Polyploid Populations of *Carassius gibelio*  
- **Student presentation**
- 12.45–13.00 **David Bruce Conn, Chris T. McAllister, Vasyl Tkach (US)**  
New Perspectives on Postlarval Metamorphosis and Juvenile Development of *Mesocestoides* from Europe and the Americas

**13.00–14.45 Break for lunch**

**Session II – Parasitology in Genomic, Immunology and Biochemistry Era**  
(Chairman: Libor Mikeš)

**Plenary lecture**

- 14.45–15.15 **Gabriela Hrčková, Terézia Mačák Kubašková, Oldřich Benada, Olga Kofroňová, David Biedermann (SK)**  
Naturally Designed Molecular Mixture of Polyphenols in Silymarin and their Effects on Host and Cestodes: One Key for Many Locks.

**Oral presentations**

- 15.15–15.30 **Libor Mikeš, Lucie Jedličková, Martin Kašný, Ingrid Hrachovinová, Jan Dvořák, Lenka Ulrychová, Marketa Havelková, John Dalton (CZ)**  
Kunitz-Domain Inhibitors in the Biology of a Haematophagous Helminth
- 15.30–15.45 **Terézia Mačák Kubašková, Gabriela Hrčková, Dagmar Mudroňová (SK)**  
Changes in Peritoneal Myeloid Populations after Combination Therapy with Low Molecular Weight Fraction of Leukocytes in *Mesocestoides vogae* Infected Mice  
- **Student presentation**
- 15.45–16.00 **Robert Stryński, Mónica Carrera, Jesús Mateos, Santiago Pascual, Ángel F. González, José M. Gallardo, Elżbieta Łopieńska-Biernat, Isabel Medina (PL)**  
Proteomic Analysis and Characterization of Glucose Transport in L3 and L4 Development Stages of *Anisakis simplex* by TMT-Based Quantitative Proteomics  
- **Student presentation**

**16.00–16.30 Coffee & Tea**  
**Discussion at posters II.1 – II.14**

- 16.30 –16.45 **Marta Maruszewska-Cheruiyot, Katarzyna Donskow-Łysoniewska, Maria Doligalska (PL)**  
Nematode Inhibit Maturation of Dendritic Cells Induced by Lipopolysaccharide  
- **Student presentation**
- 16.45–17.00 **Tomáš Macháček, Jan Pankrác, Kerstin Immig, Petr Horák (CZ)**  
*Trichobilharzia regenti* (Schistosomatidae) in Mice: Dynamics of Immune Cells in the CNS and Implications for Parasite Clearance  
- **Student presentation**
- 17.00–17.15 **Bartłomiej Ferra, Lucyna Holec-Gąsior, Karolina Błaszowska (PL)**  
*Toxoplasma gondii* Tetravalent Recombinant Chimeric Antigens as a Good Diagnostic Tool for Detecting IgG and IgM Antibodies in Human Sera

- 17.15–17.30 **Natalia Kreshchenko (RU)**  
Planarian as a Biological Model for Studying Localization and Physiological Function of Serotonin in Flatworms
- 17.30–17.45 **Emília Dvorožňáková, Barbora Bucková, Zuzana Hurníková, Andrea Lauková (SK)**  
Oxidative Metabolism of Macrophages in Mice after Probiotic Therapy and *Trichinella spiralis* Infection
- 17.45–18.00 **Vyacheslav Yurchenko, Danyil Grybchuk, Diego Macedo, Alexei Kostygov (CZ)**  
Viruses in Trypanosomatids

### 18.30 *Welcome drink*

#### Poster Session I (posters I.1 – I.12)

- I.1: **Jana Králová, Jan Votýpka, Julius Lukeš, Alexei Yu Kostygov, Viktoria Spodareva, Vyacheslav Yurchenko (CZ)**  
Diversity of Monoxenous Trypanosomatids Originated from the Philippines
- I.2: **Ewa Zaobidna, Żółtowska K, Elżbieta Łopieńska-Biernat (PL)**  
The Effect of Selected Micro RNA on the Change of Genes Expression of the Pathway Toll of *Apis mellifera carnica* Infested with Varroa Destructor
- I.3: **Natalia Kuśmirek, Jacek Stefaniak, Grzegorz Skórzewski, Karel Janko, Jan Kotusz, Marcin Popiołek (PL)**  
Do the Two Loaches of Genus *Cobitis* (Cobitidae, Teleostei) and their Hybrids Share the Same Helminths Fauna in the Hybrid Zone?
- I.4: **Diána Sándor, Kálmán Molnár, Adam Varga, Csaba Székely, Gábor Cech (HU)**  
Monitoring Potentially Zoonotic Metacercariae of Common Carp (*Cyprinus carpio*) in Four Hungarian Aquacultures
- I.5: **Gábor Cech, Diána Sándor, Kálmán Molnár, Csaba Székely (HU)**  
Experimental and Molecular Studies on Metagonimus Infection of Cyprinid Fishes Occurring in the River Danube
- I.6: **Viliam Šnábel, Gerald Umhang, Stefano D'Amelio, Serena Cavallero, Daniela Antolová (SK)**  
G1 and G3 Genotypes of *Echinococcus granulosus* sensu stricto – Geographical and Host Distributions, Cyst Fertilities and Anatomic Locations
- I.7: **Viliam Šnábel, Stefan Octavian Georgescu, Ruslan Salamatin, Tatiana Kuzmina, Crenguta Calma, Zuzana Vasilková, Serena Cavallero, Stefano D'Amelio (SK)**  
Genetic Survey of Causative Agents of Cystic and Alveolar Echinococcoses in Central-Eastern Europe
- I.8: **Wiktor Kuśmirek, Robert Nowak, Małgorzata Rydzanicz, Rafał Płoski, Ruslan Salamatin, Agnieszka Sobczyk-Kopcioł, Daniel Młocicki (PL)**  
Hybrid *de novo* Assembly of the Model Tapeworm *Hymenolepis diminuta* Genome
- I.9: **Ruslan Salamatin, Małgorzata Rydzanicz, Robert Nowak, Wiktor Kuśmirek, Agnieszka Sobczyk-Kopcioł, Rafał Płoski, Daniel Młocicki (PL)**  
Mitochondrial Genomics of the Tapeworms *Hymenolepis hibernia*
- I.10: **Peter Šalamún, Vladimíra Hanzelová, Dana Miklisová, Ingrid Papajová, Júlia Bystrianská (SK)**  
Nematode Responses Towards Environmental Stress – Is Relationship the Key?
- I.11: **Marek Renčo, Andrea Čerevková, Erika Gömöryová, Gabriela Barančíková, Erika Tobiašová (SK)**  
Environmental Factors Affecting the Soil Nematode Community and Microbial Biomass
- I.12: **Marek Renčo, Andrea Čerevková, Erika Gömöryová (SK)**  
Changes in Nematodes and Microbial Communities in Beech Forest after Windstorm



## Poster Session II (posters II.1 – II.14)

- II.1: **Jana Ilgová, Jiří Salát, Milan Gelnar, Martin Kašný (CZ)**  
Interactions of Blood-Feeding Monogenean Parasite with the Fish Host Immune System
- II.2: **Bohumil Sak, Michaela Kotková, Martin Kváč (CZ)**  
Revision of Effect of Adaptive Immune Response to Control Microsporidiosis Induced by *Encephalitozoon cuniculi*
- II.3: **Małgorzata Dmitryjuk, Janina Dziekońska-Rynko, Katarzyna Mierzejewska (PL)**  
Influence of Effectors on the Activity of Trehalose Synthesis Enzymes from Parasitic Nematode *Cystidicola farionis*
- II.4: **Elżbieta Łopieńska-Biernat, Robert Stryński, Karol G. Makowczenko, Tomasz Borkowski, Iwona Polak (PL)**  
Single-Nucleotide Polymorphism (SNP) Analysis in the ABC Transporter Genes of *Anisakis simplex* s.s.
- II.5: **Barbora Bucková, Gabriela Hřčková, Emília Dvorožňáková, Andrea Lauková (SK)**  
Effects of Probiotic Strains on Cytokine Expression in Murine Trichinellosis
- II.6: **Natalia Kreshchenko, Nadejda Terenina, Semen Bondarenko (RU)**  
Immunocytochemical Identification of Serotonin 5HT<sub>7</sub> Receptor in the Flatworms *Hymenolepis diminuta* and *Opisthorchis felineus*
- II.7: **Berezhko V.K., Novik T.S., Kamyshnikov O.Yu., Koveshnikova E.I., Danilova T.I., Napisanova L.A., Chukina S.I., Uspensky A.A., Thakahova A.A., Rudneva O.V. (RU)**  
Effects of *Echinococcus multilocularis* Cyst Fluid on Proliferation of Burkitt's Lymphoma Cells (Raji) *in vitro*
- II.8: **Karolina Błaszowska, Bartłomiej Ferra, Lucyna Holec-Gąsior (PL)**  
New Trivalent SAG1-SAG2-GRA1 and SAG1-SAG2-GRA2 Recombinant Antigens Used for Detection of IgG Antibodies against *Toxoplasma gondii* in Human Sera
- II.9: **Kateřina Skulinová, Jan Novák, Libuše Kolářová, Martin Kašný (CZ)**  
Characterization of Immunodominant Antigens in *Toxocara canis* L3 Larvae Excretory-Secretory Products
- II.10: **Lucie Škorpíková, Nikol Reslová, Edoardo Pozio, Martin Kašný (CZ)**  
Differentiation of Eight *Trichinella* Species Using a High Resolution Melting Assay
- II.11: **Novik T.S., Berezhko V.K., Koveshnikova E.I., Danilova T.I., Napisanova L.A., Chukina S.I., Kamyshnikov O.Yu., Uspensky A.A., Thakahova A.A., Rudneva O.V. (RU)**  
*Toxocara canis* as an Inhibitor of MCF-7 and Caco-2 Tumor Cell Proliferation *in vitro*
- II.12: **Edina Szestáková, Alžbeta Königová, Ladislav Molnár, Martin Babják, Peter Major, Štefánia Megyesi, Michaela Urda Dolinská, Marián Várady (SK)**  
Dynamics of Changing Hematological Indicators in Experimental Parasite Infection *H. contortus* in Mouflons (*Ovis musimon*)
- II.13: **Gabriela Hřčková, Dominika Faixová, Terézia Mačák Kubašková, Dagmar Mudroňová, David Biedermann (SK)**  
Flavonolignan Silybinin/B as Adjunct to Albendazole Therapy of Model *Mesocestodes vogae* Infection in Mice
- II.14: **Ivana Nemčovičová (SK)**  
Development of anti-HCMV agents by using the host-pathogen immune interaction

## TUESDAY, MAY 22

### Session III – Vectors and Vector-Borne Diseases (Chairman: Bronislava Víchová)

**08.00**      **Registration**

#### Plenary lecture

09.00–09.30 **Markéta Derdáková, Zuzana Mtierová, Yuliya Didyk, Michal Chvostáč, Diana Selyemová, Jasna Kraljik, Radovan Václav (SK)**  
*Borrelia* Diversity in Ticks and Hosts, Lesson Learned from Central Europe

#### Oral presentations

09.30–09.45 **Viktoria Levytska, Andrii Mushynskiy (UA)**  
Comparison of the Efficiency of Classical Methods and Express Method for Carbon Marking of Bovine Babesiosis

09.45–10.00 **Blažena Vargová, Juraj Kurimský, Roman Cimbala, Michal Kosterec, Igor Majláth, Viktória Majláthová (SK)**  
The Behavior of *Dermacentor reticulatus* in Radiation/Shielded Mini Arenas under the Influence of 900 MHz Frequency

**- Student presentation**

10.00–10.15 **Algimantas Paulauskas, Vesta Matulaitytė, Jana Radzijeuskaja (LT)**  
Investigation of Tick-Borne Pathogens in Ticks from Migratory Birds in Baltic Region

**10.15–11.00**    **Coffee & Tea**  
**Discussion at posters III.1 – III.12**

11.00–11.15 **Dorota Dwuznik, Ewa Julia Mierzejewska, Mohammed Alsarraf, Maciej Kowalec, Grzegorz Karbowski, Łukasz Stańczak, Patrycja Opalińska, Małgorzata Krokowska-Paluszak, Grzegorz Górecki, Anna Bajer (PL)**  
Ectoparasites of Red Fox (*Vulpes vulpes*) from Poland and the Phenomenon of Ticks in Subcutaneous Tissue

**- Student presentation**

11.15–11.30 **Jana Radzijeuskaja, Algimantas Paulauskas, Evelina Kaminskienė, Dalytė Mardosaitė-Busaitienė, Indrė Lipatova, Michal Stanko (LT)**  
*Rickettsia* Species and their Associations with Rodents and their Ectoparasites in Lithuania

11.30–11.45 **Bronislava Víchová, Martina Miterpáková, Martina Koneval, Martin Bona, Jasna Kraljik, Viktória Čabanová, Lucia Blaňarová, Zuzana Hurníková (SK)**  
Neglected Intravascular Pathogens of European Red Foxes (*Vulpes vulpes*) and the Role of Arthropod Ectoparasites in their Transmission

11.45–12.00 **Witold Tarkowski, Joanna, Moneta-Wielgoś, Daniel Młocicki (PL)**  
*Demodex* Mites as Potential Factor in Development of Selected Eye Disorders – Current Data and Research Perspectives

**12.00–13.30**    **Break for lunch**

#### Plenary lectures

13.30–14.15 **David Bruce Conn (US)**  
Insect Vectors in Temperate Continental Regions of North America and Central Europe: New Data and Comparative One-Health Analysis

- 14.15–14.45 **Sara Savic, Suzana Otasevic, Marina Zekic, Aleksandar Potkonjak, Cornelia Silaghi (RS)**  
Prevalence of *Dirofilaria* spp. in the Balkan Region

#### Oral presentations

- 14.45–15.00 **Ellen Schoener, Carina Zित्रा, Jan Votýpka, Hans-Peter Fuehrer (AT)**  
Protozoan Parasites in *Culex pipiens* Mosquitoes from Vienna
- 15.00–15.15 **Viktória Čabanová, Martina Miterpáková, Zuzana Hurníková, Hana Blažejová, Ivo Rudolf (SK)**  
The Impact of Urbanization on Mosquitoes and their Disease-Transmission Potential  
- **Student presentation**
- 15.15–15.30 **Remigiusz Gałęcki (PL)**  
Food Insects as a Vector of Potential Zoonotic Parasitoses  
- **Student presentation**

#### Poster Session III (posters III.1 – III.12)

- III.1: **Małgorzata Dmitryjuk, Marta Chajęcka, Magdalena Szczotko, Mirosław M. Michalski (PL)**  
Preliminary Studies of *Borrelia burgdorferi* sensu lato Detection in *Ixodes ricinus* Ticks Collected from City-Aglomeration Dogs
- III.2: **Yuliya M Didyk, Markéta Derdáková (SK)**  
*Borrelia burgdorferi* s.l. Infection in *Ixodes ricinus* Ticks from Ukrainian Urban Parks
- III.3: **Diana Selyemová, Veronika Rusňáková Tarageľová, Michal Chvostáč, Jasna Kraljik, Tatiana Vaculová, Yuliya Didyk, Markéta Derdáková (SK)**  
*Borrelia* in Questing and Host Feeding Ticks in Western Slovakia
- III.4: **Gabriela Hrkľová, Jozef Macko, Dana Blahútová, Ján Machava, Eduard Bublinec (SK)**  
The Distribution of the *Ixodes ricinus* along Altitudinal Gradients in Two Different Regions in the Great Fatra Mountains
- III.5: **Dana Zubriková, Maria Wittmann, Václav Hönig, Pavel Švec, Sandra Essbauer, Gerhard Dobler, Kurt Pfister (SK)**  
The Prevalence of Tick-Borne Encephalitis Virus in *Ixodes ricinus* Ticks from Two Regions of Bavaria, Germany.
- III.6: **Bronislava Víchová, Monika Sláviková, Lucia Blaňarová, Dana Zubriková, Markéta Derdáková, Diana Selyemová, Martina Ličková (SK)**  
Prevalence of Anti-TBEV Antibodies in Selected Farms of Slovakia - Preliminary Results
- III.7: **Ewa Pyrka, Anna Wojtoń, Grzegorz Zaleśny, Gerard Kanarek, Joanna Hildebrand (PL)**  
Leeches (Hirudinea) as the Intermediate Hosts of the Trematodes – a Case Study from Poland
- III.8: **Kamilė Klepeckienė, Jana Radzijeuskaja, Algimantas Paulauskas, Irma Ražanskė, Laura Songailaitė (LT)**  
Distribution of Deer Keds among Different Species of Cervids and their Infection with *Bartonella* spp. in Lithuania
- III.9: **Alica Kočišová, Miloš Halán, Eva Bocková, Petronela Komorová, Zuzana Kasičová (SK)**  
The Occurrence of the Blood Sucking Dipterans in the City of Košice
- III.10: **František Rettich (CZ)**  
Current Status of Mosquitoes (Diptera, Culicidae) in the Třeboň Basin
- III.11: **Ruslan Salamatin, Olga Sagach, Svitlana Nikolayenko, Kateryna Matiushkina, Vadim Korniyushin, Vitaliy Kharchenko, Elzbieta Golab (PL)**  
Human *Dirofilaria repens* Infection in Ukraine
- III.12: **Viktória Čabanová, Martina Miterpáková, Zuzana Hurníková (SK)**  
*Thelazia callipaeda* is Spreading across Europe

16.00 **Košice sightseeing tour (1<sup>st</sup> group; in Slovak)**

17.30 **Košice sightseeing tour (2<sup>nd</sup> group; in English)**



## WEDNESDAY, MAY 23

### Session IV – Veterinary and Plant Parasitology (Chairman: Marián Várady)

**08.30**      **Registration**

**Plenary lecture**

09.00–09.30    **Marián Várady, Alžbeta Königová, Martin Babják, Michaela Urda Dolinská (SK)**  
Diagnostic Challenges and Forgotten Parasites of Domestic Animals

**Oral presentations**

09.30–09.45    **Michal Babják, Alžbeta Königová, Michaela Urda Dolinská, Štefánia Megyesi, Ladislav Molnár, Edina Sesztáková, Marián Várady (SK)**  
Transmission of Gastrointestinal Nematode *Haemonchus contortus* between Sheep and Roe Deer under Field Conditions

- **Student presentation**

09.45–10.00    **Štefánia Megyesi, Alžbeta Königová, Ladislav Molnár, Martin Babják, Edina Szestáková, Peter Major, Michaela Urda Dolinská, Marián Várady (SK)**  
Wild Ruminants as Potential Risk Factor for Transmission of Resistant Abomasal Nematodes

- **Student presentation**

10.00–10.15    **Michaela Urda Dolinská, Alžbeta Königová, Tomas Kupčinskas, Michal Babják, Marián Várady (SK)**  
Experimentally Infected Small Ruminants with Composite Infection of *Haemonchus contortus*

**10.15–11.00**    **Coffee & Tea**  
**Discussion at posters IV.1 – IV.12**

11.00–11.15    **Dominika Mravčáková, Michal Babják, Magdalena Bryszak, Ľubomíra Grešáková, Klaudia Čobanová, Svetlana Kišidayová, Alžbeta Königová, Adam Cieslak, Zora Váradyová, Marián Várady (SK)**  
The Use of Nutraceuticals in Lambs Experimentally Infected with *Haemonchus contortus*

- **Student presentation**

11.15–11.30    **Jana Jurová, Marek Renčo (SK)**  
Can Invasive Common Milkweed Threat the Communities of Soil Nematodes?

- **Student presentation**

11.30–11.45    **Marie Varloud, Noemi Szilagyi, Julian Liebenberg, Josephus Fourie (CEVA)**  
Confirmation of the Fast Transmission of *Babesia canis* to Dogs by Infected and Pre-Fed Male *Dermacentor reticulatus* Ticks within 8h of Infestation

- **Sponsor presentation**

11.45–12.00    **Marie Varloud, Noemi Szilagyi, Julian Liebenberg, Josephus Fourie (CEVA)**  
Anti-Attachment Efficacy of a Topical Administration of Dinotefuran-Permethrin-Pyriproxyfen against *Dermacentor reticulatus* Adult Ticks in Dogs over 1 Month

- **Sponsor presentation**

**12.00–13.45**    **Break for lunch**

## Session V – Wild-Life Parasitology and Zoonoses

(Chairman: Zuzana Hurníková)

### Oral presentations

- 13.45–14.00 **Jana Bulantová, Zuzana Pokrupová, Tomáš Macháček, Libuše Turjanicová, Petr Horák (CZ)**  
Increasing Risk of Cercarial Dermatitis in Urban Areas of Czech Republic
- 14.00–14.15 **Eliza Kondzior, Małgorzata Tokarska, Rafał Kowalczyk, Iwona Ruczyńska, Wojciech Sobociński, Marta Kołodziej-Sobocińska (PL)**  
The First Case of Genetically Confirmed Sparganosis (*Spirometra erinacei europaei*) in Reptiles in Europe  
**- Student presentation**
- 14.15–14.30 **Aleksandra Jurewicz, Radomir Józef Jasiak (PL)**  
Prevalence of Endoparasites in Alpacas (*Vicugna pacos*) and Llamas (*Lama glama*) in Poland  
**- Student presentation**
- 14.30–14.45 **Anna M. Pyziel, Izabella Dolka, Żaneta Steiner-Bogdaszewska, Jan Wiśniewski (PL)**  
Pathological Lesions in Lungs of Free-Roaming Red Deer *Cervus elaphus* (L.) Associated with *Dictyocaulus cervi* Infection in North-East Poland
- 14.45–15.00 **Jiřina Marková, Pavlına Pittermannová, Eva Bártová, Jana Sedláčková, Hana Bandouchová (CZ)**  
Direct Detection of Protozoal and Microsporidian Parasites in Vespertilionid Bats from Central Europe  
**- Student presentation**
- 15.00–15.45 Coffee & Tea**  
**Discussion at posters V.1 – V.18**
- 15.45–16.00 **Zuzana Čadková, Michaela Svrčková, Kateřina Široká, Jiřina Száková, Jaroslav Vadlejch (CZ)**  
Gastrointestinal Nematodes of Small Terrestrial Mammals from two Post-Mining Area in the Czech Republic – Potential Effect of Risk Element Contamination
- 16.00–16.15 **Remigiusz Gałęcki (PL)**  
*Cryptosporidium* spp. in Cervids as a Potential Source of Hazard for Farm Animals and Humans - Preliminary Research
- 16.15–16.30 **Marta Kołodziej-Sobocińska, Aleksander W. Demiaszkiewicz, Anna M. Pyziel, Rafał Kowalczyk (PL)**  
Increased Parasitic Load in Captive-Released European Bison (*Bison bonasus*) Has Important Implications for Reintroduction Programs
- 16.30–16.45 **Miroslava Fecková, Daniela Antolová, Katarína Reiterová, Branislav Lukáč, Tatiana Weissová (SK)**  
Seroepidemiology of *Toxocara* spp. in Selected Population Groups in Slovakia  
**- Student presentation**
- 16.45–17.00 **Júlia Jarošová, Daniela Antolová, Zuzana Hurníková, Miloš Halán, Gabriela Chovancová (SK)**  
Intestinal Parasites in Rodents from Pet Shops and in Free Living Small Mammals, with Particular Attention on *Hymenolepis nana* Infection  
**- Student presentation**
- 17.15 Meeting of the Judging panel for student competition**

#### Poster Session IV (posters IV.1 – IV.12)

- IV.1: **Kristína Mravcová, Gabriela, Štrkolcová, Mária, Goldová (SK)**  
Genotyping of *Giardia duodenalis* Isolates in Dogs from Shelters
- IV.2: **Júlia Jarošová, Daniela Antolová, Martina Miterpáková, Viktória Čabanová (SK)**  
*Echinococcus multilocularis* in Dogs and Red Foxes in Slovakia – the Risk of Infection
- IV.3: **Daniela Antolová, Bronislava Víchová (SK)**  
Canine Alveolar Echinococcosis – Diagnostic Principles and Strategies
- IV.4: **Nikola Holubová, Martin Kváč, Lenka Hlásková, Dana Květoňová, Bohumil Sak (CZ)**  
Susceptibility of Chicken Embryos to *Cryptosporidium* spp. Infection
- IV.5: **Bohumil Sak, Dana Květoňová, Tereza Vecková, Lenka Hlásková, Martin Kváč (CZ)**  
Risk Assessment of *Encephalitozoon cuniculi* Infection Acquired from Fermented Meat Products
- IV.6: **Jacek Sroka, Jacek Karamon, Weronika Piotrowska, Ewa Biliska-Zajac, Paweł Kusyk, Tomasz Cencek (PL)**  
*Toxoplasma gondii* in Retail Raw Meat Products and Goat Milk in Poland
- IV.7: **Nina Samoylovskaya (RU)**  
Materials on Prophylaxis of Parasitic Diseases in Elk on Natural Sites of Russia
- IV.8: **Nina Samoylovskaya, V.V. Belimenko, A.M. Gulyukin, N.S. Malisheva, E.V. Novosad (RU)**  
Diagnosing Strongylatoses in Elks on Natural Sites of Russia
- IV.9: **Dawid Jańczak, Adam Kaczmarek, Elżbieta Gołąb (PL)**  
Molecular Evaluation of *Toxoplasma gondii* Infection in Game Animals
- IV.10: **František Tóth, Júlia Bystrianska, Ingrid Papajová, Jindřich Šoltys, Peter Šalamún, Nad'a Sasáková, Gabriela Gregová, Ján Venglovský (SK)**  
Parasite Contamination of Sewage Sludge from Municipal Wastewater Treatment Plants in Slovakia
- IV.11: **Jolanta Zdybel, Jacek Karamon, Jacek Sroka, Mirosław Różycki, Tomasz Cencek (PL)**  
Parasitological Contamination of Dehydrated Municipal Sewage Sludge in Poland
- IV.12: **Petra Vanková, Milo Bystrický, Zuzana Bírošová, Marica Kuzmiak Theiszová (SK)**  
Knowledge Junction - Open Access to the Scientific Information and the Risk Assessment's Tools

#### Poster Session V (posters V.1 – V.18)

- V.1: **Pavína Pittermannová, Jiřina Marková, Veronika Trávníčková, Alena Žáková, Eva Bártová (CZ)**  
*Encephalitozoon* spp. in Wild Rodents in ZOO Brno
- V.2: **Božena Kočíková, Igor Majláth, Viktória Majláthová (SK)**  
Atypical Protozoan Parasites Infecting Lacertid Lizards in Central Europe
- V.3: **Emília Dvorožňáková, Marta Kołodziej-Sobocińska, Bronislava Víchová, Zuzana Hurníková, Karol Zub (SK)**  
Circulation of Zoonotic Pathogens in Wild Rodents Living in Different Ecosystems of the National Parks in Poland and Slovakia
- V.4: **Gabriela Chovancová, Milan Kornajčík, Zuzana Hurníková, Martina Miterpáková (SK)**  
*Calodium hepaticum* (syn. *Capillaria hepatica*) in Muroidea and Insectivora from Tatra National Park (Slovakia) – Preliminary Study
- V.5: **Anna Mácová, Jana Kvičerová, Jasna Kraljik, Aneta Maršíková, Ladislav Mošanský, Ivana Heglasová, Michal Stanko (CZ)**  
Dominant Rodents in Big Cities and their Potential Risk as Reservoirs of Infectious Agents
- V.6: **Jasna Kraljik, Ladislav Mošanský, Jana Kvičerová, Dana Miklisová, Markéta Derdáková, Michal Stanko (SK)**  
*Bartonella* Infection in Communities of Small Mammals in Slovakia and Czech Republic
- V.7: **Grzegorz Karbowski, Kateryna Slivinska, Tomasz Szewczyk, Joanna Werszko (PL)**  
*Bartonella* Parasitizing Rodents in Chernobyl Exclusion Zone, Ukraine

- V.8: Dovilė Nugaraitė, Vytautas Mažeika, Algimantas Paulauskas (LT)**  
First Data on the Parasite Fauna of the Eurasian Otter *Lutra lutra* (Linnaeus, 1758) in Lithuania
- V.9: Jacek Karamon, Joanna Dąbrowska, Maciej Kochanowski, Jolanta Zdybel, Ewa Bil ska-Zajac, Mirosław Różycki, Jacek Sroka, Tomasz Cencek (PL)**  
Intestinal Parasites of Red Foxes (*Vulpes vulpes*) in Different Parts of Poland
- V.10: Marcin Popiołek, Alicja Bajon, Agnieszka Piróg, Natalia Kuśmierk (PL)**  
Soil Contamination with Eggs of *Baylisascaris procyonis* (Ascarididae, Nematoda) in Urban Areas Invaded by the Raccoon (*Procyon lotor* L.)
- V.11: Yuliya M Didyk, Igor Akimov (SK)**  
*Trichinella* (Nematoda, Trichinellidae) amongst Wild and Domestic Mammals in Ukraine
- V.12: Zuzana Hurníková, Petronela Komorová, Gabriela Chovancová (SK)**  
*Trichinella pseudospiralis* in Slovakia
- V.13: Marta Basiaga (PL)**  
Occurrence of Parasites in the Great Cormorant (*Phalacrocorax carbo*) from Southern Poland (Kraków District)
- V.14: Petronela Komorová, Zuzana Hurníková (SK)**  
Prevalence of *Toxoplasma gondii* (Coccidia, Sarcocystidae) in Birds of Prey from Slovakia
- V.15: Lucyna Holec-Gasior, Bartłomiej Ferrá, Karolina Kujawska, Rafał Kowalczyk, Marta Kołodziej-Sobocińska (PL)**  
Epidemiological Study of *Toxoplasma gondii* Infection in European Bison (*Bison bonasus*) in NE Poland
- V.16: Mirosław Rożycki, Ewa Bil ska-Zajac, Jacek Karamon, Jolanta Zdybel, Katarzyna Gradziel Krukowska, Ewa Chmurzyńska, Tomasz Cencek (PL)**  
Presence of Anisakids in Baltic Cod and Herring
- V.17: Dalibor Uhrovič, Mikuláš Oros (SK)**  
Helminth Fauna of Fishes of Liptovská Mara Water Reservoir with Emphasis on Invasive Species
- V.18: Karolina Majerová, David Modrý, Lada Hofmannová, Jan Votýpka (CZ)**  
Importance of Road-Killed Vertebrates as Sentinel Hosts within the Active Surveillance of Selected Pathogens

#### THURSDAY, MAY 24

#### Session VI – Human and Clinical Parasitology (in Czech and Slovak) (Chairman: František Ondriska)

**08.30 Registration**

**Plenary lecture (in Slovak)**

09.00–09.45 **Michal Giboda (CZ)**  
Migrants and Parasites – Facts and Fictions  
[Migranti a parazity – fakty a mýty]

**Oral presentations (in Czech and Slovak)**

09.45–10.00 **Martin Novotný, Zuzana Paraličová, Milota Kopčová (SK)**  
Rare Case of Visceral Leishmaniasis Imported from Croatia  
[Zriedkavý prípad viscerálnej leišmaniózy importovanej z Chorvátska]

10.00–10.15 **Lenka Richterová, Ivana Zicklerová (CZ)**  
Malaria in the Czech Republic in 2015-2017  
[Malárie v České republice v letech 2015 – 2017]

- 10.15–10.30 **ECOMED (SK)**  
Do we realize, that the quality is often hidden in details?  
[Uvedomujeme si, že kvality je skrytá často v detailoch?]  
**- Sponsor presentation**
- 10.30–11.30 Coffee & Tea**  
**Discussion at posters VI.1 – VI.15**
- 11.30–11.45 **Zuzana Paraličová, Martin Novotný (SK)**  
Echinococcosis - Overlooked Diagnosis  
[Echinokokóza – často prehlíadaná diagnóza]
- 11.45–12.00 **František Ondriska, Daniel Pindřák, Vojtech Boldiš, Daniela Antolová, Pavol Poliačik, Natália Farraová, Pavel Vahala, Ľubica Piesecká, Katarína Tináková (SK)**  
Case Report of Alveococcosis with Repeated Cyst Resection  
[Prípád alveolárnej echinokokózy s opakovanou resekciou cysty]
- 12.00–12.15 **Róbert Rosolanka, Katarína Šimeková, Mária Szilágyiová (SK)**  
Alveolar Echinococcosis from the Perspective of an Infectologist  
[Alveolárna echinokokóza z pohľadu infektológa]
- 12.15–12.30 **Iva Kolářová (CZ)**  
The Effectiveness of Bioresonance Methods Used To Diagnose or To Treat Parasitic Infections  
[Efektívnosť biorezonančných metód používaných na diagnostiku alebo liečbu parazitárnych infekcií]
- 12.30–12.45 **Slávka Dubinská, Pavol Dubinský (SK)**  
Neuropsychiatric disorders in diseases related to parasitic infection  
[Neuro-psychiatrické poruchy pri ochoreniach viazaných na parazitárne infekcie]
- 12.45–13.00 **Eva Vajdová (SK)**  
**(DYNEX)**  
From hair to feathers, QIAGEN always matters  
[Od chlupov až po perie, QIAGEN vždy zaberie]  
**- Sponsor presentation**

### Poster Session VI (posters VI.1 – VI.15) (in English, Czech and Slovak)

- VI.1: Zuzana Hůzová, Lenka Richterová (CZ)**  
Intestinal parasitoses in the Czech Republic not only in 2017 – Report of National Reference Laboratory for Diagnostics of Intestinal Parasitoses  
[Střevní parazitózy v ČR nejen v roce 2017 - Zpráva NRL pro diagnostiku střevních parazitóz]
- VI.2: Barbora Voxová, Zuzana Čermáková (CZ)**  
Malaria Examination at the Hradec Králové Teaching Hospital  
[Vyšetření na malárii ve fakultní nemocnici Hradec Králové]
- VI.3: Lenka Lecová, Pavla Tůmová, Libor Mazánek, Jana Dluhošová, Hana Typovská, Veronika Kotrašová, Věra Ticháčková, Eva Nohýnková (CZ)**  
A Case of a True Zoonotic Giardiasis: Infection of a Child via Giardia Cysts in Pet Chinchilla Droppings  
[Zoonózný prípad giardiózy: Infekcia dieťaťa cystami z výkalov činčily]
- VI.4: Jana Pipíková, Ingrid Papajová, Jindřich Šoltys, Júlia Bystrianska, Viktória Majláthová (SK)**  
Molecular Characterization of *Giardia duodenalis* in the Children from the Minority Population with Low Hygienic Standards in Eastern Slovakia  
[Molekulárna charakterizácia *Giardia duodenalis* u detí z minoritnej populácie s nízkym hygienickým štandardom na východnom Slovensku]



- VI.5:** Lucia Chomová, Hana Némová, Emília Pavleová, Viera Nagyová (SK)  
Amoebae Presence Monitoring in Waters of Health Care and Recreational Institutions  
[Monitorovanie prítomnosti améb vo vodách zo zdravotníckych a rekreačných zariadení]
- VI.6:** Veronika Bednárová, Katarína Sitková, Peter Juriš, Stela Majlingová, Kinga Dedinská, Juliana Gabzdilová, Monika Halánová (SK)  
Cryptosporidiosis in Immunocompromised Patients  
[Kryptosporidióza u imunokompromitovaných pacientov]
- V.7:** Júlia Bystrianska, Ingrid Papajová, Jindřich Šoltys, Jana Pipiková, Ingrid Schusterová, Oleksandr Dobrovanov, Karol Kráľinský (SK)  
Helminth Infections among the Hospitalized Children in Košice and Lučenec  
[Helmintózy detí hospitalizovaných v Košiciach a Lučenci]
- VI.8:** Zuzana Vasilková, Adriána Dudlová, Peter Juriš (SK)  
*Enterobius vermicularis* in Children in the Eastern Slovakia  
[*Enterobius vermicularis* u detí z východného Slovenska]
- VI.9:** Kamila Bírová, František Ondriska, Jana Špajdelová, Ondrej Lachký, Pavol Ščasný, Vojtech Boldiš (SK)  
Influence of Latent Toxoplasmosis on Reproductive Functions. Preliminary Results of the Study  
[Vplyv latentnej toxoplazmózy na reprodukčné funkcie. Predbežné výsledky výskumu]
- VI.10:** Petr Kodym, Zuzana Kurzová, Blanka Širocká, Marek Malý, Markéta Gelenecká (CZ)  
Advantages and Limitations of IgG Avidity Test in the Diagnostics of Acute Toxoplasmosis  
[Výhody a obmedzenia IgG Avidity Testu v diagnostike akútnej toxoplazmózy]
- VI.11:** Katarína Reiterová, Daniela Antolová (SK)  
Prognostic Value of *Echinococcus granulosus* Hydatid Fluid and Antigen B in Diagnosis of Human Cystic Echinococcosis  
[Prognostická hodnota antigénu z hydatickej tekutiny a antigénu B *Echinococcus granulosus* v diagnostike cystickej echinokokózy u ľudí]
- VI.12:** Adam Kaczmarek, Elzbieta Golab, Ruslan Salamatin (PL)  
Comparative Study of Different Techniques for Detection of *Blastocystis* spp. in Human Faecal Samples  
[Porovnávacia štúdia rôznych techník na diagnostiku *Blastocystis* spp. vo vzorkách ľudskej stolice]
- VI.13:** Daniel Krsek, Jan Suchan, Pavla Vacková, Petr Kodym (CZ)  
Role of Electron Microscopy in Rapid Detection of Infectious Agents  
[Úloha elektrónovej mikroskopie v rýchlej detekcii infekčných agens]
- VI.14:** Iva Kolářová, Oleg Ditrich (CZ)  
Alternative Medicine Devices Used To Diagnose or To Treat Parasitic Infections (A Lesson from the Czech Republic)  
[Prostriedky alternatívnej medicíny využívané na diagnostiku alebo liečbu parazitárnych infekcií (Skúsenosti z Čiech)]
- VI.15:** Martina Miterpáková, Daniela Antolová, Viktória Čabanová (SK)  
Bioresonance and Delusional Parasitic Infestations - a Great Challenge for Parasitologists  
[Biorezonancia a bludy o napadnutí parazitmi – veľká výzva pre parazitológov]
- 13.00–14.00** *Common meeting of boards of Slovak Society for Parasitology at Slovak Academy of Sciences and Czech Society for Parasitology*

**18.00** *Gala dinner*

**FRIDAY, MAY 25**

*All-Day Trip  
The Tokaj wine region*