

MONDAY, September 10, 2007

9.00-9.15 OPENING CEREMONY

MORPHOLOGY, TAXONOMY AND BIODIVERSITY

Chairmen: *T. Scholz, D. B. Conn*

9.15-10.30

Plenary lecture

KUCHTA, R., SCHOLZ, T., BRABEC, J.

Dissolution of the paraphyletic order Pseudophyllidea (Cestoda) and proposal of a new classification

SNYDER, S.D., TKACH, V.V.

Hidden diversity down under. Parasites in Australia's freshwater turtles

RUDOLFOVÁ, J., KOLÁŘOVÁ, L., SKÍRNISSON, K.

Bird schistosome diversity in Iceland

CONN, D.B.

Helminthological collections at Harvard University's Museum of Comparative Zoology

10.30-11.00 COFFEE BREAK

11.00-12.15

Plenary lecture

ŚWIDERSKI, Z.

Post-embryonic development of tapeworms – source of novel phylogenetic characters for analysis of cestodes evolution: comparative TEM study

BRUŇANSKÁ, M., DROBNÍKOVÁ, P., OROS, M.

Vitellocytes of the caryophyllidean cestode *Atractolytocestus huronensis*

ŚWIDERSKI, Z., MLOCICKI, D., MIQUEL, J., CONN, D.B.

TEM study on the mature eggs of the cestode *Gallegoides arffai* (Mobedi et Ghardian, 1977) Tenora et Mas-Coma, 1978 (Cyclophyllidea, Anoplocephalidae)

LEVRON, C., PODDUBNAYA, L.G., SCHOLZ, T.

Ultrastructure of armed cirrus in the bothriocephalidean tapeworm *Paraechinophallus japonicus*

13.45-14.15 DISCUSSION AT POSTERS

MOLECULAR BIOLOGY AND BIOCHEMISTRY

Chairmen: *S. D'Amelio, L. Mikeš*

14.15-15.15

Plenary lecture

ŠTEFKA, J.

Ribosomal DNA spacers: Eligible tool to resolve low-level phylogenetics in helminths?

MIKEŠ, L., KLIMPELOVÁ, M., DOLEČKOVÁ, K., KAŠNÝ, M.

Serine proteases of bird schistosomes and their snail hosts

VELEBNÝ, S., HRČKOVÁ, G.

Effect of natural products in combination with praziquantel on the pathobiochemical reactions in the liver of mice infected with *Mesocestoides vogae* larvae (Cestoda)

15.15-15.45 COFFEE BREAK

15.45-16.45

Plenary lecture

D'AMELIO, S., ŠNÁBEL, V.

From cestodes to nematodes: 15 years of scientific collaboration between the Parasitological Institute of the Slovak Academy of Sciences and the Section of Parasitology of the Sapienza University of Rome

ŠNÁBEL, V., D'AMELIO, S., NAKAO, M., BARTKOVÁ, D., BUSI, M., MITERPÁKOVÁ, M., SALAMATIN, R., BAGRADE, G., EMETS, A., KUZMINA, T., SZÉNÁSI, Z., ROMIG, T., ALTINTAS, N., ITO, A., DUBINSKÝ, P.

Genetic diversity of *Echinococcus* tapeworms in examined European and Asian regions

KAŠNÝ, M., MIKEŠ, L., DOLEČKOVÁ, K., HORÁK, P.

Cysteine peptidases of *Trichobilharzia regenti* and *Trichobilharzia szidati* cercariae

PHYLOGENY AND EVOLUTION

Chairmen: *Z. Swiderski, V. V. Tkach*

16.50-18.20

Plenary lecture

TKACH, V.V., GEORGIEV, B.B., LITTLEWOOD, D.T.J.

Molecular phylogenetics of the Cyclophyllidea: current advances and future prospects

SEIFERTOVÁ, M., VYSKOČILOVÁ, M., JARKOVSKÝ, J., ŠIMKOVÁ, A.

Parasites, MHC allelic diversity and microsatellite variability among European populations of chub (*Leuciscus cephalus* Linnaeus, 1758)

TKACH, V.V., SNYDER, S.D., KUZMIN, Y.

A molecular insight into host specificity, life cycle evolution and geographical distribution of the Rhabdiasidae (Nematoda)

POSTER SESSION

MORPHOLOGY, TAXONOMY AND BIODIVERSITY

P1

SALAMATIN, R.V., ŠWIDERSKI, Z., GRYTNER-ZIĘCINA, B., KORNYUSHIN, V.V.

Comparative TEM study on the origin, differentiation and ultrastructure of egg envelopes of in three species of dilepidid cestodes, parasites of birds (Cyclophyllidea, Dilepididae)

P2

BULANTOVÁ, J., HORÁK, P.

Surface ultrastructure of developmental stages of the bird schistosome *Trichobilharzia regenti*

P3

MAŠOVÁ, Š., BARUŠ, V., HODOVÁ, I., MATĚJUSOVÁ, I., KOUBEK, P.

Parapharyngodon echinatus (Nematoda: Pharyngodonidae) from the Senegal gecko (*Tarentola parvicarinata*): morphometrical and molecular characteristics

P4

KOUBKOVÁ, B., BARUŠ, V., HODOVÁ, I., ŠIMKOVÁ, A.

About generic classification of *Raillietnema synodontisi* Vassialiadès, 1973 (Nematoda: Atractidae)

MOLECULAR BIOLOGY AND BIOCHEMISTRY

P5

ŠPAKULOVÁ, M., BOMBAROVÁ, M.

Comparative karyological study of liver flukes *Fascioloides magna* and *Fasciola hepatica*

P6

ŠNÁBEL, V., BARTKOVÁ, D., WU, Z., POZIO, E., HURNÍKOVÁ, Z., TAKAHASHI, Y., MIKKONEN, T., SUKURA, A., DUBINSKÝ, P.

Genetic structuring and geographical variability in *Trichinella pseudospiralis* studied by DNA and allozyme approaches

P7

SKÁLOVÁ, L., CVILINK, V., KUBÍČEK, V., NOBILIS, M., SZOTÁKOVÁ, B., VÁRADY, M., KETOLA, R.A., LAMKA, J.

Ex vivo biotransformation of flubendazole in *Haemonchus contortus*

P8

SZOTÁKOVÁ, B., SKÁLOVÁ, L., CVILINK, V., KŘÍŽOVÁ, V., LAMKA, J.

Biotransformation of albendazole in *Dicrocoelium dendriticum* both *in vitro* and *ex vivo*

TUESDAY – September 11, 2007

PARASITES OF WILDLIFE AND DOMESTIC ANIMALS

Chairmen: *B. Moskwa, M. Špakulová*

9.00-10.15

Plenary lecture

KRÁČOVÁ-HROMADOVÁ, I., ŠPAKULOVÁ, M., TURČEKOVÁ, E.

Molecular approach in studies on taxonomy and biogeography of *Fascioloides magna*

ANTOLOVÁ, D., REITEROVÁ, K., STANKO, M., DUBINSKÝ, P.

The role of small mammals in circulation of trichinellosis

BAGRADE, G., VISMANIS, K., KIRJUŠINA, M., OZOLIŅŠ, J.

About the helminth fauna of the red fox (*Vulpes vulpes*) in Latvia

BARUŠ, V., FOITOVÁ, I., KOUBKOVÁ, B., HODOVÁ, I., ŠIMKOVÁ, A., NURCAHYO, W.

A new genus and species of pinworm from Sumatran orangutan *Pongo abelii*

10.15-10.45 COFFEE BREAK

10.45-12.00

Plenary lecture

MOSKWA, B., CABAJ, W., PASTUSIAK, K., BIEN, J.

The role of the colostrum and milk in *Neospora caninum* transmission

REITEROVÁ, K., KOŠČOVÁ, S., BOBÁKOVÁ, M., KOVÁČOVÁ, D., DUBINSKÝ, P.

Recent serological follow-up of *Neospora caninum* in dairy cows in Slovakia

TURČEKOVÁ, E., SPIŠÁK, F., KODYM, P., REITEROVÁ, K., ANTOLOVÁ, D., VÍCHOVÁ, B., DUBINSKÝ, P.

Genetic characterization of *Toxoplasma gondii* in slaughtered pigs, cattle and foxes in selected regions of Slovakia

VASILKOVÁ, Z., SZABÓVÁ, R., CHRASTINOVÁ, L., LAUKOVÁ, A., SIMONOVÁ, M., STROMPFOVÁ, V., RAFAY, J.

Effect of nutritive additives on coccidia occurrence in rabbits

13.45-14.15 DISCUSSION AT POSTERS

PARASITIC ZOOSESES

Chairmen: **T. Romig, H. Auer**

14.15-15.15

Plenary lecture

ROMIG, T., BILGER, B., DINKEL, A., MERLI, M., THOMA, D., WILL, R., LUCIUS, R., MACKENSTEDT, U.

Impact of praziquantel baiting on intestinal helminths of foxes in southwestern Germany

AUER, H., GOLLACKNER, B., EDEL, B., SCHMID, K., WRBA, F., SCHNEIDER, R.

The recent epidemiologic situation of cystic echinococcosis in Austria: An analysis of anamnestic, clinical, immunodiagnostic and molecular biological data

KINČEKOVÁ, J., HRČKOVÁ, G., SZABADOŠOVÁ, V., HUDAČKOVÁ, E., STANISLAYIOVÁ, M., STRAKA, L., BOHUŠ, P., ZACHAR, M.

Alveolar echinococcosis and PCR analysis for diagnostics in cases of equivocal pathology

MARAGHI, S., RAFIEI, A., RAHDAR, M., JALALI, R.

Comparison of liver enzymes in sera and hydatid fluids of sheep infected with liver hydatidosis

15.30-16.00 COFFEE BREAK

16.00-17.00

Plenary lecture

HURNÍKOVÁ, Z., MITERPÁKOVÁ, M.

Parasitic zoonoses threatening from wildlife with special reference to red fox (*Vulpes vulpes*)

MITERPÁKOVÁ, M., ANTOLOVÁ, D., HURNÍKOVÁ, Z., DUBINSKÝ, P.

Pilot survey on the occurrence of dogs' dirofilariosis in Slovakia

ICHTHYOPARASITOLOGY

Chairmen: **F. Moravec, M. Gelnar**

17.10-18.25

Plenary lecture

MORAVEC, F.

Some aspects of the taxonomy and biology of adult spirurine nematodes parasitic in fishes

HANZELOVÁ, V., DUDIŇÁK, V., OROS, M.

Morphology, seasonal cycle and maturation of alien invasive tapeworm *Amurotaenia perccotti* (Cestoda, Nippotaeniidea)

GELNAR, M., DÁVIDOVÁ, M., BARUŠ, V., KOUBKOVÁ, B., HODOVÁ, I., MUSILOVÁ, N., PŘIKRYLOVÁ, I., ŠIMKOVÁ, A., ŘEHULKOVÁ, E., BLAŽEK, R., BÍMOVÁ, B., ONDRAČKOVÁ, M., REICHARD, M.

Diversity of metazoan parasites of freshwater fish of West Africa – in the light of recent knowledge

OROS, M., HANZELOVÁ, V.

Helminth fauna of fishes in two internationally important aquatic systems

POSTER SESSION

PARASITES OF WILDLIFE AND DOMESTIC ANIMALS

P9

LAMKA, J., KRAMEROVA, J., TENORA, F., BADR, V.

Parasitostatus of chamois population (*Rupicapra rupicapra*) in Lusatian Mountains (Czech Republic)

P10

ŠTEFANČÍKOVÁ, A., CHOVANCOVÁ, B., HÁJEK, B., VASILKOVÁ, Z.

Chamois (*Rupicapra rupicapra tatrica*, *Rupicapra rupicapra*) living in national parks of Slovakia and its parasites

P11

TÓTH, Š., GOLDOVÁ, M., LETKOVÁ, V., MOJŽIŠOVÁ, J.

Histopathological picture of deer cysticercosis

P12

KUZMINA, T.A., KHARCHENKO, V.A., MAMONA, O.A.

The strongylids of donkeys (*Equus asinus* L.) in Ukraine and influence of anthelmintics on the gastrointestinal parasite community structure

P13

REVAJOVÁ, V., LEVKUT, M., BOLDIŽÁR, R., GOLDOVÁ, M., ŠEVČÍKOVÁ, Z., HERICH, R., DVOROŽŇÁKOVÁ, E.

Morphological changes after anoplocephalosis and gastrofilosis in mare

P14

KORNAŚ, S., NOWOSAD, B., SKALSKA, M., GAWOR, J., NOSAL, P., PŁASZCZAK, M.

Strongyles (*Strongylidae*) in horses from southern Poland

P15

NOSAL, P., PETRYSZAK, A.

Nematode infection of sows in relation to the season of year and physiological state

P16

SKALSKA, M., NOSAL, P., KORNAŚ, S., NOWOSAD, B.

Gastrointestinal nematodes in sheep under organic farming

P17

NOSAL, P., PETRYSZAK, A., ŻUROWICZ, M.

Invasiological aspects of small pig herd's maintenance

P18

VASILKOVÁ, Z., KRUPICER, I.

Gastrointestinal parasites in large-scale goat farm

P19

SPIŠÁK, F., TURČEKOVÁ, E., REITEROVÁ, K., ANTOLOVÁ, D., DUBINSKÝ, P.

Prevalence of toxoplasmosis in farm and sylvatic animals in eastern Slovakia

P20

ŠEFČÍKOVÁ, H., JURIŠ, P., SZABOVÁ, E., PAPAJOVÁ, I., RAJSKÝ, D.

Prevalence of gastrointestinal parasites of pigs slaughtered in the Slovak Republic

P21

NANEV, V., GABEV, E.

New approach to the differential diagnosis of *Haemonchus contortus* and *Haemonchus placei*

P22

RADEV, V., HRUSANOV, D., BANKOV, I.

Lymnaea stagnalis – intermediate host for trematodes

P23

ZALEŠNY, G., HILDEBRAND, J., OKULEWICZ, A.

Helminthfauna structure of selected population of rodents from Lower Silesia

PARASITIC ZONOOSES

P24

MITERPÁKOVÁ, M., HURNÍKOVÁ, Z., KASENČÁK, M., CHOVANCOVÁ, B., KOVÁČ, J.

Red fox – the main source of parasitozoonoses in national parks and protected national areas of northern Slovakia with emphasis on *Echinococcus multilocularis* and *Trichinella* spp.

P25

VARODI, E.I., KORNYUSHIN, V.V., KHARCHENKO, V.A., YEMETS, A.M.

Distribution of *Echinococcus granulosus* in Ukraine

P26

ANTOLOVÁ, D., REITEROVÁ, K.

Echinococcus multilocularis infection - potential consequences on reproduction and population density of its intermediate hosts

P27

HURNÍKOVÁ, Z.

Status of trichinellosis in wildlife of Slovakia confirmed by means of multiplex PCR approach

P28

SCHLOSSEROVÁ, K., ONDRISKA, F., HALGOŠ, J., BELADIČOVÁ, V., VALENTOVÁ, D., ANTOLOVÁ, D.

Larval toxocariasis in a region of Bratislava

P29

SZABOVÁ, E., JURIŠ, P., PAPAJOVÁ, I., ŠEFČÍKOVÁ, H.

Occurrence of endoparasites in dog's population and their presence in environment

THURSDAY - September 13, 2007

IMMUNE RESPONSES AND PATHOLOGY

Chairmen: **B. S. Dezfuli, S. M. Sadjjadi**

9.00-10.45

Plenary lecture

DEZFULI, B.S., GIARI, L., ROSSI, R., MANERA, M.

Fish inflammatory cells and their responses to helminth parasites

DZIEMIAN, E., ŻARNOWSKA, H., KOŁODZIEJ-SOBOCIŃSKA, M., MACHNICKA, B.

IgG avidity assay for differentiation between recent and long-term infections with *Toxocara* spp. in human

DVOROŽŇÁKOVÁ, E., KOŁODZIEJ-SOBOCIŃSKA, M., HURNÍKOVÁ, Z., DZIEMIAN, E.

Cell-mediated immunity in mice with *Trichinella spiralis* reinfection

LICHTENBERGOVÁ, L., KAŠNÝ, M., KOLÁŘOVÁ, L.

Cellular and antibody response to *Trichobilharzia regenti* larvae

SADJJADI, S.M., SARKARI, B., KAZEMIAN, S., SHARIF, M., TAHERKHANI, H., WU, Y., BIANCO, A.E.

Evaluation of a recombinant antigen for serodiagnosis of human strongyloidiasis using enzyme linked immunosorbent assay

PORUBCOVÁ, J., DVOROŽŇÁKOVÁ, E., ŠEVČÍKOVÁ, Z.

The role of zinc and nonspecific immunomodulator β -1,3-D-glucan in anthelmintic albendazole therapy of mice infected with *Echinococcus multilocularis*

10.45–11.15 COFFEE BREAK

ECOLOGY AND BEHAVIOUR

Chairmen: **P. Horák, V. Hanzelová**

11.15-12.15

SOLDÁNOVÁ, M., FALTÝNKOVÁ, A.

A mark-recapture study of trematode (Digenea) communities in *Lymnaea stagnalis* (Gastropoda, Pulmonata)

KOŠKOVÁ, E., PEČÍNKOVÁ, M., MACHALA, M., KOUBKOVÁ, B.

The impact of environmental stress on chub (*Leuciscus cephalus*) and their parasites

CHANOVÁ, M., MÁŠLO, P., HORÁK, P.

In vitro cultivation of bird schistosomes of *Trichobilharzia* sp.

PAPAJOVÁ, I., JURIŠ, P., SZABOVÁ, E., ŠEFČÍKOVÁ, H.

Effect of aerobic composting of different organic wastes on the survival of parasitic germs

13.45-14.15 DISCUSSION AT POSTERS

PARASITE CONTROL AND DRUG RESISTANCE

Chairmen: **W. Cabaj, M. Várady**

14.15–15.15

Plenary lecture

HRČKOVÁ, G., VELEBNÝ, S., OBWALLER, A., AUER, H., KINČEKOVÁ, J., KÖNIGOVÁ, A.

Toxocara canis infections in paratenic hosts: evaluation of follow-up of therapy with benzimidazole carbamates

BONDARENKO, I.G., CHYDENIUS, J., MUSABAYEV, I.I., TEVREN, J.

Nitric oxide synthases stimulation in the host as a treatment tool in mebendazole-resistant ascariasis and trichuriasis

KUZMINA, T.A., KHARCHENKO, V.A., SLIVINSKA, K.A.

Gastrointestinal parasite communities of brood horses in Ukraine: contemporary state and anthelmintic resistance

15.15-15.45 COFFEE BREAK

15.45-16.30

VÁRADY, M., ČUDEKOVÁ, P., ČORBA, J.

In vitro detection of benzimidazole resistance in *Haemonchus contortus*: egg hatch test versus larval development test

KÖNIGOVÁ, A., HRČKOVÁ, G., VELEBNÝ, S., VÁRADY, M., ČORBA, J.

Effects of albendazole treatment on inflammatory cells distributions in stomach of Mongolian gerbils infected with *Haemonchus contortus*

ČUDEKOVÁ, P., ČERNĀNSKÁ, D., VÁRADY, M., ČORBA, J.

Genotyping of selected susceptible and resistant isolates of *Haemonchus contortus*

16.30 GENERAL MEETING OF THE SLOVAK SOCIETY FOR PARASITOLOGY SAS

19.00 GOOD-BYE PARTY

POSTER SESSION

IMMUNE RESPONSES AND PATHOLOGY

P30

REVAJOVÁ, V., DVOROŽŇÁKOVÁ, E., LEVKUT, M.

Multiple *Toxocara canis* infection in lambs - morphological and immunological changes

P31

DVOROŽŇÁKOVÁ, E., PORUBCOVÁ, J., ŠEVČÍKOVÁ, Z.

The effect of dialysable leukocyte extract (transfer factor) on immune response of mice with alveolar echinococcosis

P32

REITEROVÁ, K., ANTOLOVÁ, D.

Influence of maternal *Echinococcus multilocularis* infection on offspring immune response in the mouse model

P33

KOLBEKOVÁ, P., LICHTENBERGOVÁ, L., LEISSOVÁ, M., KOLÁŘOVÁ, L.

The serological examination of patients with a history of cercarial dermatitis

ECOLOGY AND BEHAVIOUR

P34

TURČEKOVÁ, L., HANZELOVÁ, V., OROS, M.

Monitoring of mercury and polychlorinated biphenyl components and their endoparasites in Slovak part of Tisa river

P35

PAPAJOVÁ, I., SZABOVÁ, E., JURIŠ, P., SASÁKOVÁ, N., ŠEFČÍKOVÁ, H., ORŠULA, A.

Are dust rejects from lime production available for sanitation of animal excrements?

P36

SZABOVÁ, E., PAPAJOVÁ, I., JURIŠ, P., ŠEFČÍKOVÁ, H.

The parasitological quality of public places and children's sandpits from public playgrounds

PARASITE CONTROL AND DRUG RESISTANCE

P37

ČERŇANSKÁ, D., VÁRADY, M., ČUDEKOVÁ, P., ČORBA, J.

Questionary survey on worm control practices on Slovak sheep farms

P38

SASÁKOVÁ, N., PAPAJOVÁ, I., VARGOVÁ, M., ONDRAŠOVIČOVÁ, O., ONDRAŠOVIČ, M., VENGLOVSKÝ, J., HALÁN, M., KUDRIKOVÁ, D.

The effect of treatment of sewage sludge with zeolite alone on selected parasitological and bacteriological parameters

FRIDAY - September 14, 2007

PLANT PARASITIC NEMATODES

Chairmen: *N. Sasanelli, P. Ryšánek*

9.15-10.30

DOUDA, O., ZOUHAR, M., MAZÁKOVÁ, J., MAREK, M., RYŠÁNEK, P.
Structure of D2, D3 expansion segments of stem nematode (*Ditylenchus dipsaci*) 28S ribosomal gene

SASANELLI, N., CICCARESE, F., PAPAJOVÁ, I.
Innovative technologies to control *Pyrenochaeta lycopersisi* and *Meloidogyne incognita* on tomato in protected crop

RENČO, M., D'ADDABBO, T., SASANELLI, N., PAPAJOVÁ, I., RADICCI, V.
The effect of five composts of different origin on the survival and reproduction of *Globodera rostochiensis*

ZOUHAR, M., DOUDA, O., MAZÁKOVÁ, J., MAREK, M., RYŠÁNEK, P.
Analysis of formalin fixed nematode samples by molecular methods

ČEREVKOVÁ, A.
Nematode communities in three different types of grassland

10.30-11.00 COFFEE BREAK

11.00-11.30 DISCUSSION AT POSTERS

11.30-11.45 CLOSING CEREMONY

POSTER SESSION

PLANT PARASITIC NEMATODES

P39
DOUDA, O., ZOUHAR, M., RYŠÁNEK, P., MAZÁKOVÁ, J., MAREK, M., LHOTSKÝ, D.
In vitro tests of plant essences effect on *D. dipsaci* mortality

P40
ZOUHAR, M., MAZÁKOVÁ, J., DOUDA, O., MAREK, M., ŠTĚPÁNKOVÁ, Š., RYŠÁNEK, P.
Characterization of rDNA restriction sites of the burrowing nematode *Radopholus similis*

P41
ZOUHAR, M., DOUDA, O., RYŠÁNEK, P., MAZÁKOVÁ, J., NOVÁKOVÁ, E., MAREK, M., HÁJKOVÁ, M.
Development of routine method for differentiation of three significant species of genus *Aphelenchoides* in the Czech Republic

P42
LIŠKOVÁ, M., ČEREVKOVÁ, A.
Nematode communities of forest ecosystems in association with various soil types

P43
LIŠKOVÁ, M., RENČO, M., ČEREVKOVÁ, A.
Notes to the nematode communities of hop gardens

P44
D'ADDABBO, T., PAPAJOVÁ, I., SASANELLI, N., RADICCI, V.
Suppressive effect of composts on the root-knot nematode *Meloidogyne incognita*

P45

VOVLAS, N., LUCARELLI, G., SASANELLI, N., TROCCOLI, A., PAPAJOVÁ, I., PALOMARES-RIUS, J.E., CASTILLO, P.

Host-parasite relationships in celery plants infected with the root-knot nematode *Meloidogyne incognita* in Italy

P46

D'ADDABBO, T., AVATO, P., SASANELLI, N., AGOSTINELLI, A., RADICCI, V.

Biocidal activity of glucosinolates on phytoparasitic nematodes