

International Conference

“Current Approaches to Health and Diseases in Animals and Humans”,

LUBLIN

September 19 – 20, 2014

Localization: Congress Centre of the Agricultural University in Lublin, Akademicka 12, 20-033 Lublin (Congress Centre, halls nr 101 and 301 and conference room 13-15)

Lectures within the session will be held in three rooms simultaneously.

Conference Programme

Thursday (September 18, 2014)

12.00 - 20.00 Registration of participants – Congress Centre of University of Life Sciences Akademicka str. 15, Lublin.

16.00 - Laying flowers on the graves of the deceased staff members of the Faculty of Veterinary Medicine

Friday (September 19, 2014)

8.00 - 15.00 – Registration of participants – Congress Centre of the University of Life Sciences, 15 Akademicka Str, Lublin.

9.00 – Holy Mass for the intention of the graduates, the students and the staff of the Faculty of Veterinary Medicine – University Church of the John Paul II *Catholic University of Lublin*

10.30 – Ceremonial session of the Faculty of Veterinary Medicine Board including:

- a speech by the Rector, Professor Marian Wesołowski
- a speech by Professor Stanisław Winiarczyk, the Dean of the Faculty of Veterinary Medicine
- speeches of the invited guests representing the central, regional and municipal authorities, trade unions self-government and scientific societies
- awarding decorations and commendations
- a plenary lecture by Professor Bernd Hoffmann (*Justus University Giessen, Faculty of Veterinary Medicine, Department of Obstetrics, Gynecology and Andrology of Large and Small Animals* pt. **”ASPECTS OF VETERINARY EDUCATIO IN EUROPE”**)
- awarding diplomas commemorating the 50th anniversary of graduation
- a speech by the graduates’ representative
- a speech by the students’ representative

13.00 – Lunch break

14.00 – International Conference “ Current Approaches to the Health and Diseases in Animals and Humans” - Sessions I, II, V

Friday - 14.00-15.30- Session I – hall 101

Molecular aspects determining homeostasis and its disturbances.

Chairman: Prof dr hab. Ryszard Bobowiec (Chair of Preclinical of Veterinary Science, Department of Pathophysiology, Faculty of Veterinary Medicine University of Life Sciences in Lublin, tel. 81-445-66-65, e-mail: ryszard.bobowiec@up.lublin.pl)

Vice-chairman: dr hab. Marcin Arciszewski (Department of Animal Anatomy and Histology, Faculty of Veterinary Medicine, University of Life Sciences in Lublin; tel. 81-445-69-24, e-mail: mb.arciszewski@wp.pl)

Key lectures

14.00- 14.20

BENEFICIAL EFFECTS OF NATURAL PRODUCTS: NEW CANDIDATES AS A DIETARY SUPPLEMENTS IN ANIMALS V. Longo (*Institute of Agricultural Biology and Biotechnology, National Research Council, Pisa, Italy*)

14.20-14.40

CHANGES IN BLOOD CYTOKINE CONCENTRATIONS IN THE HORSES AFTER LONG DISTANCE ENDURANCE RIDERS A. Cywińska (*Department of Pathology and Veterinary Diagnostics, Faculty of Veterinary Medicine, Warsaw University of Life Sciences-SGGW, Poland*)

14.40-15.00

CORTICOIDS AND THE REMNANTS E.Möstl (*Department of Biomedical Sciences/Biochemistry, University of Veterinary Medicine, Vienna*).

Oral presentations

15.00-15.10

PHARMACOKINETICS OF FLUPIRTINE IN DOGS AND CATS V. De Vito (*Department of Veterinary Sciences, University of Pisa, San Piero a Grado, Italy*)

15.10-15.20

PLATELETS FUNCTION IN EQUINE RECURRENT AIRWAY OBSTRUCTION (RAO) A. Iwaszko-Simonik (*Division of Pathophysiology, Department of Immunology, Pathophysiology and Veterinary Prevention, Wrocław University of Environmental and Life Sciences, Poland*)

15.20-15.30

SIZE OF THE NANOCRYSTALS AFFECTS THEIR ALIMENTARY ABSORPTION IN ADULT MICE M. Godlewski (*Department of Physiological Sciences, Faculty of Veterinary Medicine, Warsaw University of Life Sciences, SGGW, Warsaw, Poland*)

15.30-15.40

PK/PD EVALUATION OF THE NOVEL ATYPICAL OPIOID TAPENTADOL IN RED-EARED SLIDER TURTLES M. Giorgi (*Department of Veterinary Sciences, University of Pisa, San Piero a Grado, Italy*)

15.40-16.00

CROSSTALK BETWEEN ADIPONECTIN AND CYTOKINES (IL-6 AND IL-8) DURING TRANSPORTATION STRESS IN HORSES R. Bobowiec (*Department of Pathophysiology, Faculty of Veterinary Medicine, University of Life Sciences in Lublin, Poland*)

16.00-16.15 Discussion

16.15-16.30 Coffee break

16.30-16.40

CHEMICAL CONDING OF THE TRAPEZIUS MUSCLE-PROJECTING AUTONOMIC NEURONS IN THE PIG. A. Dudek (*University of Warmia and Mazury, Faculty of Veterinary Medicine, Department of Animal Anatomy, Olsztyn, Poland*)

16.40-16.50

THE ALTERATION OF METABOLITES OF ARACHIDONIC ACID CASCADE IN THE CONDITIONS OF ENDOTOXIN FEVER AND PYROGENIC TOLERANCE IN PIGEONS. K. Dudek (*Department of Cattle and Sheep Diseases, National Veterinary Research Institute, Pulawy, Poland*)

16.50-17.00

IMMUNOEXPRESSION OF BONE MORPHOGENETIC PROTEIN 2,4 AND 6 IN MESODERM-DERIVATIVE SKELETAL STRUCTURES IN RATS PRE-AND POSTNATALLY EXPOSED TO PIROXICAM AND DFU F. Burdan (*Department of Human Anatomy, Medical University of Lublin, Lublin, Poland, ²St. John's Cancer Center, Lublin, Poland*)

17.00-17.10

NEFATIN - A NEW HORMONE WHICH REGULATES GUT FUNCTION M. Kapica (*Department of Animal Physiology, Faculty of Veterinary Medicine, University of Life Sciences in Lublin, Poland*)

17.10-17.20

MULTIPLE EFFECTS OF OREXIN A ON THE NEURONAL ACTIVITY OF RAT LATERAL GENICULATE BODY Ł. Chrobok (*Department of Neurophysiology and Chronobiology, Jagiellonian University, Krakow, Poland*)

17.20-17.30

IMMUNOHISTOCHEMICAL AND MORPHOMETRIC STUDIES OF PERIAQUEDUCTAL GRAY ASTROCYTES IN YOUNG AND OLD RATS. K. Rycerz (*Department of Animal Anatomy and Histology, Faculty of Veterinary Medicine, University of Life Sciences, Lublin, Poland*)

17.30-17.40

EXPRESSION OF A AND B ESTROGEN RECEPTORS WITHIN CLAUSTRUM IN RABBIT MALES M. Matysek (*Department of Animal Anatomy and Histology, Faculty of Veterinary Medicine, University of Life Science, Lublin, Poland*)

17.40-17.50 Discussion

Posters

P-1 EFFECT OF PRENATAL AND POSTNATAL FOCUS FEEDING ON METABOLIC HORMONES AND ONSET OF PUBERTY IN EWE LAMBS 1. K. Witkowska, U. Kosior-Korzecka, P. Radwańska; *Department of Pathophysiology, Chair of Preclinical Veterinary Sciences, Faculty of Veterinary Medicine, University of Life Sciences in Lublin, Poland*

P-2. SIMPLIFIED METHOD OF ISOLATION, STANDARDIZATION, CULTURING OLFACTORY UNSHEATHING CELLS (OECS) FROM PIG M. Janeczek¹, T. Gębarowski², W. Fortuna², A. Chrószcz¹, K. Gąsiorowski², R. Nowaczyk¹ *Wroclaw University of Environmental and Life Sciences, Faculty of Veterinary Medicine, Department of Biostructure and Animal Physiology, Poland*² *Wroclaw Medical University, Faculty of Pharmacy, Department of Basic Medical Sciences, Poland*

P-3. DIET SUPPLEMENTS, RESVERATROL AND PROTOCATECHUIC ACID DO NOT DISTURB WELLNESS AND LIVER MORPHOLOGY IN RAT J. Szumiło¹, M. Frączek², R. Klepacz¹, M. Szumiło³, F. Burdan^{4,5,1} *Department of Clinical Pathomorphology, Medical University of Lublin, Lublin, Poland,* ²*Department of Ophthalmology, Medical University of Lublin, Lublin, Poland,* ³*Department of Applied Pharmacy, Medical University of Lublin, Lublin, Poland,* ⁴*Department of Human Anatomy, Medical University of Lublin, Lublin, Poland,* ⁵*St. John's Cancer Center, Lublin, Poland*

P-4 RESPONSE OF GROWTH RATE AND SMALL INTESTINAL MORPHOLOGY IN TURKEY EXPOSED TO CORN SILAGE COMPOSED DIET WITH DIFFERENT DEB M. Wójcik¹, K. Gruszczyński², R. Bobowiec¹ *Chair of Preclinical Veterinary Sciences, Department of Pathophysiology, Faculty of Veterinary Medicine, University of Life Sciences in Lublin, Poland*² *Animal Pharma Lublin Al. Spółdzielczości Pracy 103, 20-147 Lublin, Poland*

P-5 ASCENDING DUODENAL NERVE PROJECTIONS SUPPLYING THE PYLORIC SPHINCTER IN THE PIG - PRELIMINARY STUDIES M. Załęcki, M. Klimczuk, A. Franke-Radowiecka, A. Dudek, J. Kaleczyc - *Department of Animal Anatomy, Faculty of Veterinary Medicine, University of Warmia and Mazury in Olsztyn, Poland*

P-6 IMMUNOHISTOCHEMICAL CHARACTERISATION OF THE CARDIAC GANGLIA IN THE EUROPEAN BEAVER (CASTOR FIBER) FOETUSES. W. Sienkiewicz, A. Dudek, M. Marszałek, J. Kaleczyc *Department of Animal Anatomy, Faculty of Veterinary Medicine, University of Warmia and Mazury in Olsztyn, Poland*

P-7 GFAP-IMMUNOREACTIVE ASTROCYTES DISTRIBUTION IN THE PERIAQUEDUCTAL GRAY OF ADULT MALE CHINCHILLA A. Krawczyk, J. Jaworska-Adamu, K. Rycerz, R. Szalak *Department of Animal Anatomy and Histology, Faculty of Veterinary Medicine, University of Life Sciences, Lublin, Poland*

P-8 DISTRIBUTION AND CHEMICAL CODING OF NERVE FIBERS LYING IN PARASYMPATHETIC NUCLEUS OF THE SACRAL SEGMENTS OF THE SPINAL CORD SUPPLYING THE URINARY BLADDER OF THE PIG Z. Pidsudko, Ł. Podgórski, K. Wąsowicz¹, M. Klimczuk, A. Franke-Radowiecka, J. Kaleczyc - *University of Warmia and Mazury in Olsztyn, Faculty of Veterinary Medicine, Department of Animal Anatomy,* ¹*Department of Pathophysiology, Forensic Veterinary and Administration, Olsztyn, Poland*

P-9 COMPARISON OF DIFFERENT DiI TRACER SOLVENTS IN QUALITY OF NEURONAL TRACING EXPERIMENTS – PRELIMINARY STUDY A. Franke-Radowiecka, P. Podlasz, M. Załęcki, M. Klimczuk, A. Dudek, J. Kaleczyc *Department of Animal Anatomy, Faculty of Veterinary Medicine, University of Warmia and Mazury in Olsztyn, Poland*

P-10 SELECTED COAGULATION PARAMETERS IN HORSES WITH RECURRENT AIRWAY OBSTRUCTION (RAO) A.Pliszcak-Król¹, J.Król², M. Gemra¹, A.Iwaszko-Simonik¹, S.Graczyk¹A.Niedźwiedz³, M.Słowikowska³¹ *Division of Pathophysiology, Wrocław University of Environmental and Life Sciences, Wrocław, Poland* ²*Division of Veterinary Microbiology, Wrocław University of Environmental and Life Sciences, Wrocław, Poland* ³ *Department of Internal Medicine and Clinic of Diseases of Horses, Dogs and Cats, Wrocław University of Environmental and Life Sciences, Wrocław, Poland*

P-11 COMPARATIVE ASSESSMENT OF SELECTED BLOOD CLOTTING PARAMETERS IN VARIOUS ANIMAL SPECIES A.Pliszcak-Król¹, J.Król², M.Gemra¹, A.Iwaszko-Simonik¹, S.Graczyk¹¹ *Division of Pathophysiology,* ²*Division of Veterinary Microbiology, Wrocław University of Environmental and Life Sciences, Wrocław, Poland*

P-12 THE DISTRIBUTION OF TRAPEZIUS MUSCLE-PROJECTING AUTONOMIC NEURONS IN THE PIG. A. Dudek ^{1,2}, W. Sienkiewicz ¹, Z. Pidsudko ¹, A. Franke-Radowiecka ¹, O. Tomaszewska¹ and J. Kaleczyc ¹*University of Warmia and Mazury, Faculty of Veterinary Medicine, Department of Animal Anatomy, Olsztyn, Poland*

P-13 THE USEFULNESS OF PLATELET FUNCTION ANALYZER (PFA-100) IN EVALUATION OF PRIMARY HAEMOSTASIS IN PIGS A. Iwaszko-Simonik, A. Pliszcak-Król, S. Graczyk, M. Gemra *Division of Pathophysiology, Department of Immunology, Pathophysiology and Veterinary Prevention, Wrocław University of Environmental and Life Sciences, Poland*

P-14 COMPARISON OF PLATELET CD62P AND CD41/61 EXPRESSION IN PIGS AND HORSES A. Iwaszko-Simonik, S. Graczyk, A. Pliszcak-Król, M. Gemra *Division of Pathophysiology, Department of Immunology, Pathophysiology and Veterinary Prevention, Wrocław University of Environmental and Life Sciences, Poland*

P-15 COAGULATION DISTURBANCES IN PIGS WITH CLINICAL SIGNS OF POLYARTHRITIS A.Pliszcak-Król¹, A.Rząsa¹, J.Król², M.Gemra¹, K.Kot¹, A.Paluszek¹, A.Iwaszko-Simonik¹, S.Graczyk¹¹ ¹*Department of Immunology, Pathophysiology and Veterinary Prevention, Wrocław University of Environmental and Life Sciences, Wrocław, Poland* ² *Division of Veterinary Microbiology, Wrocław University of Environmental and Life Sciences, Wrocław, Poland*

P-16 EFFECTS OF LONG-TERM SILYBIN FLAVONOLIGANS ADMINISTRATION ON TAURINE AND ALANINE CONCENTRATION IN TRAPEZIUS MUSCLE OF AMERICAN MINK (*NEOVISON VISON*) M. R. Tatar¹, I. Łuszczewska-Sierakowska², Ł. Jarosz³, Z. Grądzki³, A. Wawrzyniak-Gacek², K. Chmielowiec¹, M. Szpetnar⁴, A. Boguszewska-Czubar⁴, A. Brodzki⁵ - ¹*Department of Animal Physiology, Faculty of Veterinary Medicine, University of Life Sciences in Lublin, Poland.* ²*Department of Animal Anatomy, Faculty of Veterinary Medicine, University of Life Sciences in Lublin, Poland.* ³*Department of Epizootiology and Clinic of Infectious Diseases, Faculty of Veterinary Medicine, University of Life Sciences in Lublin, Poland.* ⁴*Department of Medical Chemistry, Medical University of Lublin, Poland.* ⁵*Department and Clinic of Animal Surgery, Faculty of Veterinary Medicine, University of Life Sciences in Lublin, Poland.*

P-17 THE DIFFERENCES IN STRUCTURE OF HARDERIAN GLAND IN WILD BIRDS (COMMON PHEASANT AND LONG-EARED OWL) AND ITS SIGNIFICANCE FOR

THE LOCAL IMMUNE DEFENCE. J.Klećkowska-Nawrot¹, R. Nowaczyk¹, K. Goździewska-Harłajczuk¹, A. Kowalczyk², D. Łupicki³, E. Łukaszewicz² ¹*Department of Animal Physiology and Biostructure, Faculty of Veterinary Medicine, University of Environmental and Life Sciences in Wrocław, Poland;* ²*Institute of Animal Breeding, Division of Poultry Breeding, University of Environmental and Life Sciences in Wrocław, Wrocław, Poland;* ³*Museum of Natural History, University of Environmental and Life Sciences in Wrocław, Poland.*

P-18 INTRAGASTRIC ADMINISTRATION OF [D-LYS3]-GHRP-6 DOES NOT ABOLISH ENDOGENOUS GHRELIN PRO-PROLIFERATIVE EFFECTS ON THE SMALL INTESTINE OF THE RAT J. L. V. Piedra, S.E. Szymańczyk*, I. Puzio*, M. Kapica* *Department of Toxicology and Environmental Protection, *Department of Animal Physiology Faculty of Veterinary Medicine, University of Life Sciences in Lublin, Poland*

Friday - 15.30-17.00- Session II – hall 301

Current trends in diagnostics and control of infectious diseases of animals.

*session is co-organised by the section of Veterinary Epizootiology and Administration of the Polish Society of Veterinary Sciences

Chairman: Prof dr hab. Zbigniew Grądzki (Department of Epizootiology and Clinic of Infectious Diseases, Faculty of Veterinary Medicine University of Life Sciences in Lublin, tel. 81-445-62-00; e-mail: gradzki@up.lublin.pl)

Vice-chairman: Dr Łukasz Jarosz ((Department of Epizootiology and Clinic of Infectious Diseases, Faculty of Veterinary Medicine University of Life Sciences in Lublin, tel. 81-445-62-14; e-mail: lukasz.jarosz@up.lublin.pl)

15.30 – Opening the session - Prof. Z. Grądzki

Key lectures

15.35 – 16.10

ENTERIC AND RESPIRATORY CANINE CORONAVIRUSES – IMPORTANCE AND PREVALENCE IN AUSTRIA K. Möstl (*University of Veterinary Medicine, Vienna, Austria*)

16.10-16.45

EVOLUTION OF VIRUS-RECEPTOR INTERACTION DURING DISEASE PROGRESSION IN CATS NATURALLY INFECTED WITH FELINE IMMUNODEFICIENCY VIRUS (FIV) P. M. Bęczkowski (*Centre for Virus Research, University of Glasgow, Glasgow, United Kingdom*)

Oral presentations

16.45 – 16.55

ACCURACY OF ID SCREEN[®] MVV-CAEV INDIRECT SCREENING ELISA TEST IN DIAGNOSING SMALL RUMINANT LETIVIRUSES INFECTION IN GOATS D. Nowicka (*Laboratory of Veterinary Epidemiology and Economics, Faculty of Veterinary Medicine, Warsaw University of Life Sciences, Warsaw, Poland*)

16.55- 17.05

CORRELATION BETWEEN SINGLE NUCLEOTIDE POLYMORPHISM OF *YMOA* GENE AND ENTEROTOXIC PROPERTIES OF *YERSINIA ENTEROCOLITICA* STRAINS A. Bancercz-Kisiel (*Department of Epizootiology, Faculty of Veterinary Medicine, University of Warmia and Mazury in Olsztyn, Poland*)

17.05 – 17.15

ERADICATION OF BOVINE VIRAL DIARRHEA VIRUS (BVDV) IN DAIRY CATTLE HERDS USING THE VACCINATION-ELIMINATION PROGRAM K. Rypuła (*Division of Infectious Diseases and Veterinary Administration, Department of Epizootiology with Clinic of Birds and Exotic Animals, Faculty of Veterinary Medicine, University of Environmental and Life Sciences, Wrocław, Poland*)

17.15-17.25

DETECTION OF NEUROPATHOGENIC STRAINS OF EQUINE HERPESVIRUS TYPE 1 (EHV1) ASSOCIATED WITH ABORTIONS IN POLAND J. Rola (*Department of Virology, National Veterinary Research Institute, Pulawy, Poland*)

17.25 –17.35

MOLECULAR IDENTIFICATION OF *TRUEPERELLA PYOGENES* STRAINS ISOLATED FROM PIGS WITH THE USE OF MALDI-TOF MS MASS SPECTROMETRY Ł. Jarosz (*Department of Epizootiology and Clinic of Infectious Diseases, Faculty of Veterinary Medicine, University of Life Sciences, Głęboka 30, 20-612 Lublin, Poland*)

17.35- 17.50 – Discussion

Poster

P-1 EVALUATION OF THE RELATIONSHIP BETWEEN ANTIBIOTIC RESISTANCE AND THE EFFICACY OF STERIDIAL W-15 IN BACTERIAL STRAINS POTENTIALLY PATHOGENIC TO FISH A. Płowiec¹, E. Terech-Majewska¹, E. Kaczorek², J. Grudniewska³, E. Lipińska¹, P. Szulz² W. Szweda¹ ¹ *Department of Epizootiology, Faculty of Veterinary Medicine, University of Warmia and Mazury in Olsztyn, Poland,* ² *Department of*

Microbiology and Clinical Immunology, Faculty of Veterinary Medicine, University of Warmia and Mazury in Olsztyn, Poland, ³ Department of Salmonid Research in Rutki, Inland Fisheries Institute in Olsztyn, Poland

P-2 APPLICATION OF MULTIPLEX PCR FOR THE EVALUATION OF THE OCCURRENCE OF AIL, YSTA AND YSTB GENES IN YERSINIA ENTEROCOLITICA STRAINS ISOLATED FROM WILD RUMINANTS AND WILD BOARS K. Syczyło, A. Bancercz – Kisiel, K. Lipczyńska, A. Platt – Samoraj, W. Szweda *Department of Epizootiology, Faculty of Veterinary Medicine, University of Warmia and Mazury in Olsztyn, Poland*

P-3 QPCR-HRM - A NEW APPROACH TO RAPID DETECTION AND DIFFERENTIATION OF BOVINE PAPILLOMAVIRUS IN EQUINE SARCOIDS A. Szczerba-Turek¹, A. Bancercz-Kisiel¹, J. Siemionek¹, K. Lipczyńska¹, A. Raś², A. Platt-Samoraj¹, W. Szweda¹ *Department of Epizootiology, Faculty of Veterinary Medicine, University of Warmia and Mazury in Olsztyn, Poland, ²Department of Animal Reproduction with Clinic, Faculty of Veterinary Medicine, University of Warmia and Mazury in Olsztyn, Poland*

P-4 BEAVERS (CASTOR FIBER) AS A POSSIBLE RESERVOIR OF YERSINIA ENTEROCOLITICA A. Platt-Samoraj¹, K. Syczyło¹, A. Bancercz-Kisiel¹, A. Szczerba-Turek¹, A. Giżejewska², W. Szweda¹ *Department of Epizootiology, Faculty of Veterinary Medicine, University of Warmia and Mazury in Olsztyn, Poland, ² Department of Farmacology, Faculty of Veterinary Medicine, University of Warmia and Mazury in Olsztyn, Poland*

P-5 EVALUATION OF PCR IN MONITORING THE EPIZOOTIC SITUATION OF ALEUTIAN MINK DISEASE M. Wawro, J. Siemionek, A. Szczerba-Turek, M. Sanni, W. Szweda *Department of Epizootiology, Faculty of Veterinary Medicine, University of Warmia and Mazury in Olsztyn, Poland*

P-6 BACTERIA ISOLATED FROM DOGS AND CATS WITH INFECTIONS OF SKIN, CONJUNCTIVAL SACS AND EARS AND SUSCEPTIBILITY TO SELECTED ANTIMICROBIAL AGENTS K. Bierowiec, A. Huchrak, K. Płoneczka-Janeczko, K. Rypuła *Division of Infectious Diseases and Veterinary Administration, Department of Epizootiology with Clinic of Birds and Exotic Animals, Faculty of Veterinary Medicine, University of Environmental and Life Sciences, Wrocław, Poland*

P-7 FELV DIAGNOSIS BY DETECTION OF P27 ANTIGEN IN CATS IN WROCLAW AGGLOMERATION (2010-2013) K. Płoneczka-Janeczko, K. Rypuła, V. Truszko *Division of Infectious Diseases and Veterinary Administration, Department of Epizootiology with Clinic of Birds and Exotic Animals, Faculty of Veterinary Medicine, University of Environmental and Life Sciences, Wrocław, Poland*

P-8 INFLUENCE OF SMALL RUMINANT LENTIVIRUSES INFECTION ON SELECTED PRODUCTION PARAMETERS IN GOATS D. Nowicka¹, M. Czopowicz¹, N. Strzałkowska², M. Rzewuska³, E. Bagnicka², J. Kaba¹ *Laboratory of Veterinary Epidemiology and Economics, Faculty of Veterinary Medicine, Warsaw University of Life Sciences, Warsaw, Poland ²Institute of Genetics and Animal Breeding, Polish Academy of Sciences, Jastrzębiec, Poland ³Division of Microbiology, Department of Preclinical Sciences, Faculty of Veterinary Medicine, Warsaw University of Life Sciences, Warsaw, Poland*

P-9 EPIDEMIOLOGY OF EQUINE VIRAL ARTERITIS (EVA) IN HUCUL HORSES IN POLAND – PRELIMINARY STUDY L. Witkowski¹, D. Gaudaire³, A. Cywinska², M. Czopowicz¹, F. Lecouturier³, A. Hans³, M. Mickiewicz¹, J. Kita¹ ¹Laboratory of Veterinary Epidemiology and Economics, ²Department of Pathology and Veterinary Diagnostics, Faculty of Veterinary Medicine, Warsaw University of Life Sciences, Warsaw, Poland, ³ANSES-Dozulé Laboratory for Equine Diseases, Goustranville, France

P-10 MOLECULAR ANALYSIS OF E1B-19K GENE FRAGMENT OF CAV-2 STRAINS FROM DOGS WITH KENNEL COUGH M. Kalinowski, Ł. Adaszek, Ł. Jarosz, Z. Grądzki Department of Epizootiology and Clinic of Infectious Diseases, Faculty of Veterinary Medicine, University of Life Sciences, Głęboka 30, 20-612 Lublin, Poland

P-11 PROFILE OF CELLULAR IMMUNE RESPONSE IN RABBITS IMMUNIZED AGAINST RHD AND MYXOMATOSIS Ł. Jarosz¹, M. Kalinowski¹, Z. Grądzki¹, B. Mayer-Dziedzic² ¹Department of Epizootiology and Clinic of Infectious Diseases, ²Department of Microbiology, Faculty of Veterinary Medicine, University of Life Sciences, Głęboka 30, 20-612 Lublin, Poland

P-12 MOLECULAR ANALYSIS OF COAGULASE- POSITIVE STAPHYLOCOCCUS STRAINS ISOLATED FROM FREE-LIVING ANIMALS AND THEIR SUSCEPTIBILITY PROFILES A. Nowakiewicz¹, G. Ziółkowska¹, K. Wojtanowicz-Markiewicz¹, P. Zięba², A. Trościańczyk¹ ¹University of Life Sciences, Institute of Biological Basis of Animal Diseases, Sub-Department of Veterinary Microbiology, 20-033 Lublin Akademicka 12, Poland ²State Veterinary Laboratory, 20-960 Lublin, Droga Męczenników Majdanka 50, Poland

P-13 MOLECULAR DETECTION OF *SPIRONUCLEUS SALMONIS* (DIPLOMONADIDA) FROM RAINBOW TROUT *ONCORCHYNCHUS MYKISS* IN POLAND L. Guz, K. Puk Institute of Biological Bases of Animal Diseases, Sub-department of Fish Diseases and Biology, Faculty of Veterinary Medicine, University of Life Sciences in Lublin, Poland

P-14 DEVELOPMENT OF REAL TIME PCR FOR THE DETECTION OF BOVINE LEUKEMIA PROVIRUS AND ITS USE FOR CLARIFICATION OF INCONCLUSIVE SEROLOGICAL TEST RESULTS M. Rola-Łuszczak¹, C. Finnegan², M. Olech¹, B. Choudhury², J. Kuźmak¹ ¹National Veterinary Research Institute, Pulawy, Poland, ²Animal Health and Veterinary Laboratories Agency (AHVLA), Woodham Lane, New Haw, Surrey, United Kingdom

P-15 THE MOLECULAR CHARACTERIZATION OF BLV ISOLATES FROM EASTERN EUROPE AND SIBERIA AND ITS IMPACT ON PHYLOGENY M. Rola-Łuszczak¹, A. Pluta¹, M. Olech¹, B. Choudhury², J. Kuźmak¹ ¹National Veterinary Research Institute, Pulawy, Poland, ²Animal Health and Veterinary Laboratories Agency (AHVLA), Woodham Lane, New Haw, Surrey, United Kingdom

P-16 THE USE OF PCR FOR THE SEQUENCE BA813 AND MULTIPLEX PCR FOR DETECTION OF *BACILLUS ANTHRACIS* STRAINS IN BIOLOGICAL SAMPLES S. Budniak, A. Kędrak-Jabłońska, M. Reksa, A. Szczawińska, M. Krupa, K. Szulowski Department of Microbiology, National Veterinary Research Institute, Pulawy, Poland

P-17 EVALUATION OF USEFULNESS OF PCR FOR IDENTIFICATION OF VIRULENT STRAINS OF *BACILLUS ANTHRACIS* IN BIOLOGICAL MATERIAL A. Kędrak-Jabłońska, S. Budniak, A. Szczawińska, M. Reksa, M. Krupa, K. Szulowski *Department of Microbiology, National Veterinary Research Institute, Pulawy, Poland*

P-18 EPIDEMIOLOGY OF IMPORTANT VIRAL RESPIRATORY INFECTIONS IN EUROPEAN BISON (*BISON BONASUS*) IN POLAND J. Kęsik-Maliszewska¹, M. Larska¹, M. Krzysiak², J. F. Żmudziński^{1,1} *Department of Virology, National Veterinary Research Institute, Pulawy, Poland*² *European Bison Breeding Center, Białowieża National Park, Białowieża, Poland*

P-19 FIRST CASES OF BOVINE VIRAL DIARRHEA VIRUS-2 INFECTION IN CATTLE IN POLAND M.P. Polak, A. Kuta, J. Rola, M. Larska, J.F. Żmudzinski *Department of Virology, National Veterinary Research Institute, Pulawy, Poland*

P-20 A PCR METHOD FOR DIFFERENTIATION OF WILD AND VACCINE STRAINS OF RABBIT MYXOMA VIRUS E. Kwit, E. Bigoraj, M. Chrobocińska, A. Rzeżutka *Department of Food and Environmental Virology, The National Veterinary Research Institute Pulawy, Poland*

Friday - 17.00-18.30- Session V conference room 13-15

Practical application of biotechnology in horses' breeding

Chairman: Prof dr hab. Leszek Krakowski (Department of Andrology and Biotechnology of Reproduction, Chair and Department of Animal Reproduction, Faculty of Veterinary Medicine University of Life Sciences in Lublin, tel. 81-445-61-69, e-mail: leszek.krakowski@up.lublin.pl)

Vice-Chairman: Prof dr hab. Zygmunt Wrona: (Department of Andrology and Biotechnology of Reproduction, Chair and Department of Animal Reproduction, Faculty of Veterinary Medicine, University of Life Sciences in Lublin, tel. 81-445-61-72, e-mail: zygmunt.wrona@up.lublin.pl)

Key lectures

17.00-17.30

EMBRYO TRANSFER IN THE MARE AT PISA UNIVERSITY: FROM RESEARCH TO COMMERCIAL APPLICATION F. Camillo (*Department of Veterinary Sciences University in Pisa, Italy*)

17.30-18.00

CHOOSING THE SEX OF THE OFFSPRING IN A COMMERCIAL EQUINE EMBRYO TRANSFER CENTER J. Cuervo-Arango (*Faculty of Veterinary Medicine, University CEU Cardenal Herrera, Valencia, Spain*)

18.00-18.30

HORMONAL THERAPY FOR THE SUBFERTILITY IN MARES F. Novotny (*University of Veterinary Medicine and Pharmacy in Kosice, Slovakia*)

18.30-19.00

HARMONIZATION OF BIOCECENOSIS IN TUBULAR REPRODUCTIVE ORGANS BY SYMBIOTIC MICROORGANISMS E. Styková (*Clinic of Horses, University of Veterinary Medicine and Pharmacy, Komenského, Košice, Slovak Republic*)

Oral presentations

19.00-19.10

ALKALINE PHOSPHATASE AS AN INDICATOR OF STALLION REPRODUCTION
Z. Podstawski (*Department of Horse Breeding University of Agriculture, Krakow, Poland*)

19.10-19.20

WHETHER CYTOLOGICAL EXAMINATION OF THE ENDOMETRIUM IS A GOOD INDICATOR OF THE UTERINE HEALTH STATUS IN THE MARE R. Kozdrowski, (*Faculty of Veterinary Medicine , Wrocław University of Environmental and Life Science Poland, Ansager Dyrehospital ApS, Gartnerhaven Denmark*)

19.20-19.30

THE MOLECULAR AND ENDOCRINE MARKERS ALTERNATIONS IN SUBCLINICAL ENDOMETRITIS IN MARES: M. Siemieniuch (*Department of Reproductive Immunology and Pathology, PAS, Olsztyn, Poland*)

19.30-19.40

EFFECT OF INCREASED PROLACTIN LEVEL ON MILK PRODUCTION AND QUALITY A. Zagarajczuk (*Department of Animal Reproduction and Anatomy, University of Agriculture, Krakow, Poland*)

19.40-19.50

DISTRIBUTION OF EQUINE HERPESVIRUS TYPE1 (EHV1) IN THE TISSUES OF ABORTED FETUSES K Stasiak (*Department of Virology, National Veterinary Research Institute, Pulawy, Poland*)

19.50-20.00

COOLED SEMEN QUALITY IN COLDBLOODED STALLIONS EVALUATED WITH THE USE OF APOPTOSIS AND DNA DEFRAGMENTATION MARKERS
L. Krakowski (*Department of Andrology and Reproductive Biotechnology, Faculty of Veterinary Medicine, University of Life Sciences, Lublin, Poland*)

Poster

P-1 EFFECT OF THE POST-THAW ADDITION OF CAFFEINE ON MOTILITY CHARACTERISTICS OF STALLION CRYOPRESERVED SPERMATOZOA: A Przybył, A Rota, J Kochan, F Camillo *Department of Animal Reproduction, University of Agricultural, Krakow, Poland; Department of Clinical Sciences, Università di Pisa, Italy*

P-2 BIOCHEMICAL PARAMETERS IN BLOOD DURING ADVANCED FIBER OSTEODYSTROPHY IN HORSE A. Pomorska, K. Lutnicki, Ł. Kurek, M. Kleczkowski*, T. Riha *Department of Internal Diseases Faculty of Veterinary Medicine, University of Life Sciences, Lublin, Poland *Department of Pathology and Veterinary Diagnostics, Faculty of Veterinary Medicine, Warsaw University of Life Sciences, Warsaw, Poland*

20.00 – Gala Dinner

Saturday, (September 20, 2014)

9.00-14.00 International Conference “ Current Approaches to the Health and Diseases in Animals and Humans” Sessions IV,III, VI

Saturday - 9.00-10.30- Session IV hall 101

Current problems in pathology and therapy of dogs and cats.

Chairman: Dr hab. Jacek Madany (Chair and Clinic of Internal Medicine, Department of Internal Diseases of pets animals, Faculty of Veterinary Medicine University of Life Sciences in Lublin, tel. 81-445-61-84, e-mail: madjac21@wp.pl)

Vice-chairman: Dr hab. Iwona Taszkun (Chair and Clinic of Internal Medicine, Department of Clinical Diagnostics and Veterinary Dermatology, Faculty of Veterinary Medicine University of Life Sciences in Lublin, tel. 81-445-61-91, e-mail: iwona.taszkun@up.lublin.pl)

Key lectures

9.00-9.30

CANCER RESEARCH IN VETERINARY MEDICINE E. Hellmén *Swedish University of Agricultural Sciences (SLU), Department of Anatomy, Physiology and Biochemistry, Uppsala, Sweden)*

9.30-10.00

THE DOWNREGULATED CANINE TESTIS AND RECRUDESCENCE OF TESTICULAR FUNCTION FOLLOWING ABOLITION OF DOWNREGULATION: A REVIEW” B. Hoffmann (*Clinic for Obstetrics, Gynecology and Andrology of Large and Small Animals, Justus-Liebig-University Giessen, Germany*)

10.00-10.30

OCCURRENCE AND DIAGNOSIS OF INTRAOCULAR MELANOMAS IN DOGS, 6 CLINICAL CASES

A. Trbolová (*University of Veterinary Medicine and Pharmacy in Košice, Small Animal Clinic Košice, Slovakia*)

10.30-10.40 Discussion

Oral presentations

10.40-10.50

EPIDEMIOLOGICAL PREVALENCE OF AORTIC STENOSIS IN DOGS IN POLAND

U. Paśławska (*Department of Internal Medicine and Clinic of Diseases of Horses, Dogs and Cats, Faculty of Veterinary Medicine, Wrocław University of Environmental and Life Sciences, Wrocław, Poland*)

10.50-11.00

THE ANALYSIS OF REPOLARIZATION PARAMETERS IN HEALTHY GREAT

DANES A. Noszczyk-Nowak (*Department of Internal Medicine and Clinic of Diseases of Horses, Dogs and Cats, Faculty of Veterinary Medicine, Wrocław University of Environmental and Life Sciences, Wrocław, Poland*)

11.00-11.10

ELECTROENCEPHALOGRAPHIC FEATURES OF METABOLIC ENCEPHALOPATHY

IN DOGS M. Wrzosek (*Department of Internal Medicine and Clinic of Horses, Dogs and Cats, Faculty of Veterinary Medicine, Wrocław University of Environmental and Life Sciences, Wrocław, Poland*)

11.10-11.20

PROSTAGLANDINS, LIPOPOLISACCHARIDE, TUMOR NECROSIS FACTOR α AND ITS RECEPTORS IN THE ENDOMETRIUM OF DOMESTIC CATS EXPOSED ON

ENDOGENOUS 17β -ESTRADIOL, PROGESTERONE, MEDROXYPROGESTERONE

ACETATE OR CATS HAVING PYOMETRA M. J. Siemieniuch (*Department of Reproductive Immunology and Pathology, Institute of Animal Reproduction and Food Research of the Polish Academy of Sciences, Olsztyn Poland*)

11.20-11.30

HEART TUMOR IN A DOG CAUSED BY *MYCOBACTERIUM TUBERCULOSIS*
O.Szaluś-Jordanow (*Department of Small Animal Diseases with Clinic, Warsaw University of Life Sciences-SGGW, Poland*)

11.30-11.40

THE ENHANCED DEVELOPMENTAL ABILITY OF CATS' EMBRYOS A. Pasieka,
Department of Reproduction and Clinic of Farm Animals, Wroclaw University of Environmental and Life Sciences, Poland,

11.40-11.50

COMPARATIVE STUDY OF CLINICAL EVALUATION OF TACROLIMUS AND
CYCLOSPORINE EYE DROPS FOR TREATMENT OF CANINE
KERATOCONJUNCTIVITIS SICCA K. Radziejewski¹, I. Balicki², Veterinary Clinic
"Radvet" in Słupsk, Poland¹, Department and Clinic of Animal Surgery, Faculty of
Veterinary Medicine, University of Life Sciences in Lublin, Poland

11.50-12.00

EXPRESSION OF TOPOISOMERASE – II α IN THE SELECTION OF THE OPTIMAL
THERAPEUTIC REGIME IN CANINE LYMPHOMAS P. Klimiuk, W. Łopuszyński, Z.
Nozdryn-Plotnicki University of Life Sciences in Lublin, Faculty of Veterinary Medicine,
Department of Pathological Anatomy, Lublin, Poland

12.00-12.10

OCCURENCE, ETHIOLOGY AND ANTIHORMONAL TREATMENT OF DOGS
SUFFERING FROM PERIANAL GLANDS TUMORS Adam Brodzki, Aleksandra
Sobczyńska-Rak, Piotr Brodzki, Marcin R. Tatar, Piotr Silmanowicz. Department and Clinic
of Animal Surgery <http://www.up.lublin.pl/weterynaria-struktura/?id=128> *, Department and
Clinic of Animal Reproduction** Faculty of Veterinary Medicine University of Life Sciences
in Lublin ul. Głęboka 30, Department of Animal Physiology*** Faculty of Veterinary
Medicine University of Life Sciences in Lublin ul. Akademicka 12.

12.10-12.20

THE RABBIT AS A PET – ASPECTS OF ABDOMINAL ULTRASOUND
EXAMINATION

Dębiak P., Łojarczyk-Szczepaniak A., Komsta R., Twardowski P., Lisiak B.
Laboratory for Radiology and Ultrasonography, Department and Clinic of Animal Surgery

12.20-12.35

CIMALGEX - MODERN STANDARD OF PAIN TREATMENT A. Riha, (*Vetoquinol Biowet* Sp. z o.o. ul. Kosynierów Gdynskich 13-14, 66-400 Gorzów Wlkp.)

12.35-12.45

BOEHRINGER INGELHEIM – TREATMENT INNOVATIONS FOR DOGS AND CATS

P. Adamczyk (*Boehringer Ingelheim Marketing Sp. z o.o. ul Woloska 5 02-675 Warsaw, Poland*)

12.45-13.00 Discussion

Posters

P-1 CAN FOOD AFFECT CIMICOXIB PLASMA CONCENTRATIONS IN DOGS?

B. Łebkowska-Wieruszewska^a, C.J. Kowalski^a, T.W. Kim^b, H. Owen^c, Hyoin Yun^b, M. Giorgi^{da} *Department of Pharmacology, Faculty of veterinary Medicine in Lublin, Akademicka 13 20-950 Lublin, Polska.*^b *Institute of Veterinary Science, College of Veterinary Medicine, Chungnam National University, Daejeon 305-764, South Korea.*^c *School of Veterinary Science, The University of Queensland, Gatton Campus, Gatton, Queensland, 4343, Australia.*^d *Department of Veterinary Clinics, Veterinary Teaching Hospital, University of Pisa, Via Livornese (lato monte) 1, San Piero a Grado, 56122 Pisa, Italy*

P-2 THE ENDOMETRIAL IMMUNOLOCALIZATION OF TOLL-LIKE RECEPTORS 2/4 (TLR2/4) AND INFLUENCE OF LIPOPOLYSACCHARIDE AND TUMOR NECROSIS FACTOR A ON TLR2/4 EXPRESSIONS THROUGHOUT THE ESTROUS CYCLE, OR IN CATS RECEIVING OCTANE MEDROXYPROGESTERONE AND CATS SUFFERING FROM PYOMETRA E. Jursza¹, M.P. Kowalewski², A. Boos², D. Skarzynski¹, M.J. Siemieniuch ¹*Department of Reproductive Immunology and Pathology, Institute of Animal Reproduction and Food Research, Polish Academy of Sciences, Olsztyn, Poland,* ²*Institute of Veterinary Anatomy, Vetsuisse Faculty, University of Zurich, Zurich, Switzerland*

P-3 EXPRESSION OF METALLOTHIONEINS IN CANINE CUTANEOUS

HISTIOCYTIC TUMORS K. Paździor-Czapula, I. Otrocka-Domagala, T. Rotkiewicz, M. Gesek, M. Mikiewicz *University of Warmia and Mazury in Olsztyn, Faculty of Veterinary Medicine, Department of Pathological Anatomy, ul. Oczapowskiego 13 bl. D, 10-719 Olsztyn, Poland*

P-4 THE COMPARISON OF EFFECTIVENESS OF ENDOSCOPIC TRANSCERVICAL INSEMINATION IN THE DOGS WITH USE OF THE FRESH AND FROZEN-THAWED SEMEN. M. Gotowiecka, W. Niżański* *Department of Reproduction and Clinic of Farm Animals, Wrocław University of Environmental and Life Sciences, Poland*

P-5 USEFULNESS OF LOW FIELD MAGNETIC RESONANCE IMAGING

MODALITY IN LUMBOSACRAL SPINE LESIONS IN DOGS Y. Zhalniarovich, Z. Adamiak, P. Holak, M. Jałyński, P. Przyborowska, J. Głodek *Department of Surgery and Radiology with Clinics, Faculty of Veterinary Medicine, University of Warmia and Mazury in Olsztyn, Poland*

Saturday - 10.30-12.00- Session III hall 301

The protection of human and animal's health during the risk of infection.

Chairman: Dr hab. Renata Urban-Chmiel (Institute of Biological Bases of Animal Diseases, Sub-department of Veterinary Prevention and Avian Diseases, Faculty of Veterinary Medicine University of Life Sciences in Lublin, tel. 81-445-60-36; e-mail: renata.urban@up.lublin.pl)

Vice-chairman: Prof Kinga Wieczorek (Department of Hygiene of Food of Animal Origin, National Veterinary Research Institute, 24-100 Pulawy, e-mail: kinga.wieczorek@piwet.pulawy.pl)

Key lectures

10.30-11.00

THE MEANING OF ANTIBIORESISTANCE ON THE VETERINARY PRACTICE SIDE
Pascal Richez (*TransPharm, BP 7, F-34160 Saint Genies des Mourgues, France*)

11.00.-11.30

THE MINIATURE PIG AS A MODEL FOR FUNCTIONAL IMAGING STUDIES
Charles-Henri Malbert (*AniScan Unit, Dept of Human Nutrition, INRA, 35590 Saint-Gilles, France*)

Oral presentations

11.30-11.40

ANTIMICROBIAL RESISTANCE OF ENTEROCOCCI ISOLATED FROM WILD ANIMALS
A. Lewtak-Piłat (*National Veterinary Research Institute, Pulawy, Poland*)

11.40-11.50

DISTRIBUTION OF ANTIBIOTIC RESISTANT *CAMPYLOBACTER* ISOLATED FROM POULTRY FLOCKS AND CORRESPONDING CARCASSES IN POLAND
K. Wieczorek (*National Veterinary Research Institute, Pulawy, Poland*)

11.50-12.00

ANTIMICROBIAL PROPERTIES OF GOLD, SILVER, COPPER AND PLATINUM NANOPARTICLES AGAINST SELECTED MICROORGANISMS ISOLATED FROM CASES OF MASTITIS IN CATTLE
A. Wernicki (*Sub-department of Veterinary Prevention and Avian Disease, Institute of Biological Bases of Animal Diseases, Faculty of Veterinary Medicine, University of Life Sciences, Lublin, Poland*)

12.00-12.10

FIELD APPLICATION OF EGG YOLK IMMUNOGLOBULIN AS THE FEED ADDITIVE IN PROPHYLAXIS OF DIARRHOEA IN WEANED PIGLETS T. Stefaniak (*Department of Immunology, Pathophysiology and Veterinary Preventive Medicine, Wrocław University of Environmental and Life Sciences, Poland*)

12.10-12.20

THE INFLUENCE OF ORALLY ADMINISTERED PREPARATION CONTAINING IGY ON CHOSEN BLOOD IMMUNE AND HEALTH PARAMETERS IN SUCKLING PIGLETS A. Rzaşa (*Department of Immunology, Pathophysiology and Veterinary Preventive Medicine, Wrocław University of Environmental and Life Sciences, Poland*)

12.20-12.30

HEART RATE MONITORING IN NOVEL OBJECT TEST AS STRESS INDICATOR IN HORSES J. Kamieniak (*Department of Ethology and Technological Basis of Animal Production, Faculty of Biology and Animal Breeding, University of Life Sciences, Lublin, Poland*)

Posters

P-1 ANTAGONISTIC ACTIVITY OF *LACTOBACILLUS* STRAINS ISOLATED FROM POULTRY AGAINST *CAMPYLOBACTER* M. Dec, A. Dudzic, R. Urban-Chmiel, A. Puchalski, D. Stęgierska, A. Wernicki *Sub-Department of Veterinary Prevention and Avian Diseases, University of Life Sciences in Lublin, Poland*

P-2 DEVELOPMENT OF MULTIPLEX REAL-TIME PCR FOR DETECTION OF *SALMONELLA* SPP., *LISTERIA MONOCYTOGENES* AND VEROTOXIGENIC *ESCHERICHIA COLI* E. Denis, K. Bielińska, K. Wieczorek, J. Osek, *National Veterinary Research Institute, Pulawy, Poland*

P-3 COMPARISON OF PFGE AND PCR-RFLP FOR GENOTYPING OF *STAPHYLOCOCCUS AUREUS* ISOLATED FROM RAW MILK W. Korpysa-Dzirba, J. Osek *National Veterinary Research Institute, Pulawy, Poland*

P-4 DOES RETAINED PLACENTA INFLUENCE ON A MATERNAL BEHAVIOR OF MARES 12-HOURS AFTER FOALING? W. Krupa, M. Tietze, M. Budzyńska, L. Sołtys, J. Kamieniak *Department of Ethology and Technological Basis of Animal Production, University of Life Sciences in Lublin, Poland.*

P-5 PREVALENCE OF VIRULENCE AND TOXIN GENES IN *CAMPYLOBACTER* JEJUNI AND *C. COLI* ISOLATED FROM BROILERS IN POLAND B. Lachtara, K. Wieczorek, J. Osek *National Veterinary Research Institute, Poland*

P-6 MOLECULAR CHARACTERIZATION OF *VIBRIO PARAHAEMOLYTICUS* STRAINS ISOLATED FROM RAW SHELLFISH IN POLAND M. Lopatek, K. Wieczorek, J. Osek *National Veterinary Research Institute, Pulawy, Poland*

P-7 CONTENT OF TOTAL VOLATILE BASIC NITROGEN (TVB-N) AS AN INDICATOR OF FRESHNESS OF FISH AND FISH PRODUCTS PLACED ON POLISH MARKET IN 2012-2013 M. Michalski, M. Pawul-Gruba, J. Osek *National Veterinary Research Institute, Pulawy*

P-8 OCCURENCE OF MARINE BIOTOXINS (PSP, DSP AND ASP) IN LIVE BIVALVE MOLLUSCS AVAILABLE ON POLISH MARKET IN 2012 – 2013
M. Michalski, K. Grądziel-Krukowska, J. Osek *National Veterinary Research Institute, Pulawy*

P-9. OYSTERS – A POTENTIAL SOURCE OF FOODBORNE BACTERIAL PATHOGENS FOR HUMANS R. Pomykała, M. Łopatek, J. Osek *National Veterinary Research Institute, Pulawy, Poland*

P-10 ALKALINE PHOSPHATASE ACTIVITY IN GOAT MILK AND CHEESE AS A INDICATOR OF COMPLETENESS OF PASTEURIZATION PROCESS J.G. Rola, M. Sosnowski, M. Ostrowska, J. Osek *National Veterinary Research Institute, Pulawy, Poland*

P-11 PREVALENCE OF ENTEROTOXIN-ENCODING GENES IN COAGULASE-POSITIVE STAPHYLOCOCCI RECOVERED FROM RAW COW'S MILK IN EASTERN POLAND J.G. Rola (*National Veterinary Research Institute, Pulawy, Poland*)

P-12 POULTRY VACCINES AVAILABLE ON THE POLISH MARKET AFTER THE HARMONIZATION OF PHARMACEUTICAL CODE ACCORDING TO EU LEGISLATION W. Cybulski*, K. Pasik, D. Krasucka, E. Łysiak, A. Mitura**, A. Klimowicz, G. Tomczyk***, W. Pietroń**** *Department of Veterinary Pharmacy, *Department of Pharmacology and Toxicology, **Department of Cattle and Sheep Diseases, ***Department of Poultry Diseases. ****Department of Radiobiology, The National Veterinary Research Institute, Poland*

P-13 OCCURRENCE OF COAGULASE-POSITIVE STAPHYLOCOCCI IN MILK FROM DIRECT SALES AND THEIR RESISTANCE E. Bednarko-Młynarczyk, J. Sztejn, A. Wiszniewska-Łaszczych, K. Liedtke *Departament of Veterinary Protection of Public Health, Faculty of Veterinary Medicine, University of Warmia and Mazury, Olsztyn, Poland*

Saturday - 12.00-13.30- Session VI conference room 13-15

The diseases of ruminants.

Chairman: Dr hab. Krzysztof Lutnicki (Chair and Clinic of Internal Medicine, Department of Internal Diseases of Farm Animals and Horses, Faculty of Veterinary Medicine University of Life Sciences in Lublin, tel. 81-445-61-73; e-mail: krzysztof.lutnicki@up.lublin.pl)

Vice-chairman: Dr hab. Przemysław Sobiech (Department of Internal Medicine, Faculty of Veterinary Medicine, University of Warmia and Mazury in Olsztyn, tel. +48 89 523-34-87, e-mail: psobiech@uwm.edu.pl)

Key lectures

12.00-12.20

RUMEN ACIDOSIS J. Illek (*University of Veterinary and Pharmaceutical Sciences, Brno, Czech Republic*)

12.20-12.40

HEALTH DISORDERS DURING PERIPARTAL PERIOD OF COWS G. Kováč (*Clinic for Ruminants, University of Veterinary Medicine and Pharmacy, Košice, Slovak Republic*)

Oral presentations

12.40- 12.50

NEWEST INSIGHTS ON CALF REARING AND HEALTH STATUS OF YOUNG CALVES Mr. Toon Joos (*Nutritionist Schils BV*)

12.50-13.00

THE NEWEST VIEWS ABOUT MYCOPLASMA INFECTION IN DOMESTIC RUMINANTS D. Bednarek (*National Veterinary Research Institute, Department of Cattle and Sheep Diseases, Pulawy, Poland*)

13.00-13.10

BOVINE SPONGIFORM ENCEPHALOPATHY IN POLAND M.P.Polak (*Department of Virology, National Veterinary Research Institute, Pulawy, Poland*)

13.10-13.30

DAIRY COW MONITORING AS A BASIS FOR MANAGEMENT AND METABOLIC DISORDERS PREVENTION Z. M. Kowalski (*Agricultural University in Crakow, Poland*)

Posters

P-1 DEVELOPMENT AND VALIDATION OF GENOTYPE-SPECIFIC RECOMBINANT ELISA FOR SEROLOGICAL DIAGNOSIS OF SRLV INFECTIONS IN SHEEP AND GOATS M. Olech¹, S. Valas², J. Kuźmak¹ ¹*Department of Biochemistry, National Veterinary*

Research Institute, 24-100 Pulawy, Poland² Anses, Niort Laboratory, F-79012 Niort Cedex, France

P-2 EPIDEMIOLOGY OF IMPORTANT VIRAL RESPIRATORY INFECTIONS IN EUROPEAN BISON (*Bison bonasus*) IN POLAND J. Kęsik-Maliszewska¹, M. Larska¹, M. Krzysiak², J. F. Żmudziński¹ ¹ Department of Virology, National Veterinary Research Institute, Pulawy, Poland ²European Bison Breeding Center, Białowieża National Park, Białowieża, Poland

P-3 PRELIMINARY STUDY ON THE PREVALENCE OF *MYCOPLASMA SPP.* IN THE BULK MILK SAMPLES FROM THE FARMS OF NORTH-EASTERN POLAND K. Liedtke, J. Szteyn, A. Wiszniewska - Łaszczych, E. Bednarko – Młynarczyk Department of Veterinary Protection of Public Health, Faculty of Veterinary Medicine, University of Warmia and Mazury in Olsztyn

P-4 COMPARISON OF THE BIOCHEMICAL INDICES IN BLOOD SERUM OF THE EUROPEAN BISON LIVING IN BIESZCZADY AND BIAŁOWIEŻA PRIMEVAL FOREST B. Furmaga¹, A. Chałabis-Mazurek¹, K. Kursal¹, S. Winiarczyk², M. Krzysiak³, J. L. Valverde Piedra¹ ¹ Sub-Department of Toxicology and Environmental Protection, Department of Preclinical Veterinary Sciences ² Department of Epizootiology and Clinic of Infectious Diseases, Faculty of Veterinary Medicine, University of Live Sciences ³ Białowieża National Park

P-5 INFLUENCE OF COPPER AND MAGNESIUM ADDITIVES ON THEIR CONCENTRATION IN BLOOD AND ACTIVITY OF SUPEROXIDE DISMUTASE IN TRANSITION PERIOD IN DAIRY COWS T. Jasiński, K. Lutnicki*, Ł. Kurek*, M. Kleczkowski Department of Pathology and Veterinary Diagnostics, Faculty of Veterinary Medicine, Warsaw University of Life Sciences, Poland *Department of Internal Diseases Faculty of Veterinary Medicine, Lublin, University of Life Sciences, Poland

P-6 THE EFFECT OF SELENIUM AND VITAMIN E ON SELECTED BLOOD BIOCHEMICAL PARAMETERS IN HIGH-YIELDING DAIRY COWS DURING THE TRANSITION PERIOD P. Sobiech¹, K. Żarczyńska¹, W. Rękawek¹, A. Snarska¹, A. Eleuszowa², E. Kowalczyk¹, J. Illek³ ¹ Department of Internal Diseases, Faculty of Veterinary Medicine, University of Warmia and Mazury in Olsztyn ² Department of Infectious Diseases, Faculty of Veterinary Medicine, Kostanay State University, Kazakhstan ³ Clinic of Ruminant Diseases, Faculty of Veterinary Medicine, University of Veterinary and Pharmaceutical Sciences in Brno, Czech Republic

P-7 EFFECT OF HYPOCALCEMIA ON THE FUNCTION OF SOLID ORGANS IN COWS AT THE PEAK OF LACTATION Ł. Kurek, K. Lutnicki, W. Kluciński*, M. Kleczkowski, P. Brodzki**, J. Marczuk, M. Gołyński Sub-Department of Internal Diseases of Farm Animals and Horses, Department and Clinic of Animal Internal Diseases, Faculty of Veterinary Medicine, University of Life Sciences in Lublin, Poland *Department of Large Animals Diseases with Clinic **Department and Clinic of Animal Reproduction Faculty of Veterinary Medicine, University of Life Sciences in Lublin, Poland

P-8 ATYPICAL HEMATOLOGICAL AND BIOCHEMICAL CHANGES IN BLOOD OF EUROPEAN BISON AND DOMESTIC RUMINANTS DURING FASCIOSIS J. Marczuk¹, K. Lutnicki¹, Ł. Kurek¹, P. Brodzki², M. Krzysiak³ ¹ Sub-Department of Internal

Diseases of Farm Animals and Horses, ²*Sub-Department of Andrology and Biotechnology of Animal Reproduction, Faculty of Veterinary Medicine, University of Life Sciences in Lublin, Poland*³ ²*European Bison Breeding Center, Białowieża National Park, Białowieża, Poland*

P-9 THE BLOOD COAGULATION SYSTEM OF CALVES AFFECTED BY NUTRITIONAL MUSCULAR DYSTROPHY K. Żarczyńska, P. Sobiech, J. Radwińska
Department and Clinic of Internal Diseases, Faculty of Veterinary Medicine, University of Warmia and Mazury in Olsztyn, Poland

P-10 HAEMOSTASIS PARAMETERS ACTIVITY IN RELATION TO SELECTED BIOCHEMICAL AND MORPHOLOGICAL BLOOD TESTS AT CALVES WITH BABESIOSIS J. Radwińska, K. Żarczyńska, P. Sobiech
Department of Internal Diseases, Faculty of Veterinary Medicine, University of Warmia and Mazury Olsztyn, Poland

P-11 THE PROBLEM OF ANIMAL REPRODUCTION IN NEW CONDITIONS
V. Yablonskiy, V. Stefanyk, T. Basarab
Department of obstetrics gynecology and biotechnology reproduction of animals, National University of Life and Environmental Sciences of Ukraine, Kyiv, Ukraine, Department of obstetrics gynecology and biotechnology reproduction of animals, Lviv National University of Veterinary Medicine and Biotechnologies named after S.Z.Gzhytskyi, Lviv, Ukraine

P-12 CHRONIC COWS HEMATURIA: ETIOLOGY, DIAGNOSTICS L. Slivinska
National University of Veterinary Medicine and Biotechnologies Lviv, Ukraine

P-13 EFFECT OF MIXED INVASIONS OF HYPODERMA BOVIS AND OSTERTAGIA OSTERTAGI IN CATTLE ON MILK YIELD AND CONTENT OF BASIC COMPONENTS OF MILK A. Wiszniewska-Łaszczych, J. Szteyn, E. Bednarko-Młynarczyk, K. Liedtke
Department of Veterinary Protection of Public Health, Faculty of Veterinary Medicine, University of Warmia and Mazury in Olsztyn, Poland

13.30-14.30 Lunch

14.30-15.00 – Closing Ceremony hall 101

