

**International Conference “One Health - One Earth”
Cluj-Napoca, 24-25 November 2023**

one-health.usamvcluj.ro

Link for online participation

<https://meet.google.com/tja-twex-rke?hs=224>

Venue: USAMV Cluj-Napoca, Calea Mănăştur 3-5

All plenary talks will take place in the Red Amphitheater (ground floor, University Library). Exact location [here](#) (46.76202478788329 N, 23.57062301709432E).

Organizing Committee:

Prof. Anca BUZOIANU, *University of Medicine and Pharmacy “Iuliu Hațieganu” Cluj-Napoca, Romania, Rector*

Prof. Irinel POPESCU, *Romanian Academy, One Health Commission, Romania*

Prof. Cornel CĂTOI, *University of Agricultural Sciences and veterinary Medicine of Cluj-Napoca, Romania, Rector*

Ing. Virgil NADOLU, *One Health Commission, Romania*

Scientific Committee:

Prof. Ştefan CONSTANTINESCU, *President of FEAM & SAPEA*

Prof. Irinel POPESCU, *Romanian Academy, One Health Commission*

Prof. Mihaela Felicia BĂCIUȚ, *University of Medicine and Pharmacy “Iuliu Hațieganu” Cluj-Napoca, Romania, Vice-Rector*

Prof. Andrei Daniel MIHALCA, *University of Agricultural Sciences and veterinary Medicine of Cluj-Napoca, Romania, Vice-Rector*

Prof. George GRIFFIN, *Past President FEAM, Emeritus Professor of Medicine and Infectious, Diseases, St George’s University of London*

Prof. André JESTIN, *Vice-President of FEAM*

Ruben CASTRO, *Senior Policy Officer, FEAM*

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Fri, 24 November

09:00-10:00 **Opening Ceremony**

Prof. Cornel CĂTOI, Rector of USAMV Cluj-Napoca
Prof. Ștefan CONSTANTINESCU, President, FEAM&SAPEA
Acad. Ioan DUMITRACHE, General Secretary, Romanian Academy
Prof. George GRIFFIN, Past President FEAM, Emeritus Professor of Medicine and Infectious, Diseases, St George's University of London
Prof. André JESTIN, Vice-President, FEAM
Prof. Adrian STREINU-CERCEL, Co-President One Health Commission
Prof. Irinel POPESCU, Vice-President, One Health Commission
Prof. Anca BUZOIANU, Rector of UMF "Iuliu Hațieganu" Cluj-Napoca
Ana ANCA, Regional Director BRD Groupe Societe Generale
Călin COJOCARU, Group Director BRD Groupe Societe Generale Cluj
Other guests

10:00-10:30 **Coffee break**

10:30-13:00 **Governance and Shaping the Future of One Health**

Moderator: Prof. Irinel POPESCU, Romanian Academy, One Health Commission

10:30-10:50 Prof. Ștefan CONSTANTINESCU, FEAM

One Health and basic research: partners in action

10:50-11:10 Prof. André JESTIN, FEAM

One Health approach, recent evolution in Europe

11:10-11:30 Acad. Ioan DUMITRACHE, Romanian Academy

Artificial intelligence in education and medicine. Opportunities and dangers

11:30-11:50 Prof. George GRIFFIN, Past President FEAM, Emeritus Professor of Medicine and Infectious, Diseases, St George's University of London

Vaccination for the elderly: links to animal infections

11:50-12:10 Prof. Jakob ZINSSTAG, The Swiss Tropical and Public Health Institute

One Health in human-environment systems: linking health and the sustainable use of natural resources (ZINSSTAG J, MEYER J, BONFOH B, DIMOV A)

12:10-12:30 Prof. Irinel POPESCU, Romanian Academy

The history of the One Health concept in Romania. Current developments

12:30-12:45 Prof. Sorin RUGINĂ, Romanian Academy of Medical Sciences

The "One Health" concept - between theory and practice - *online*

12:45-13:00 Prof. George DINDELEGAN, UMF Cluj-Napoca

From the experimental laboratory to bedside. Lessons learned in organ transplantation

13:00-14:30 **Lunch**

14:30-16:00 **Antibiotic resistance (1)**

Moderator: Prof. Mihaela Sorina LUPȘE, UMF Cluj-Napoca

14:30-14:45 Prof. Anca STREINU-CERCEL, National Institute for Infectious Diseases "Matei Bals", Carol Davila Medicine and Pharmacy University

Research directions and implementation of stewardship programs in antimicrobial resistance prevention. Prevention infection control of AMR using stewardship programs (STREINU-CERCEL A, SANDULESCU O)

- 14:45-15:00 Prof. Adrian STREINU-CERCEL, National Institute for Infectious Diseases "Matei Bals", Carol Davila Medicine and Pharmacy University, President of the Senate Health Comity Romanian Parliament
Management of multidrug resistant infections using molecular genetic testing/syndromic testing
- 15:00-15:15 Prof. Miron Alexandru BOGDAN, Romanian Academy
Synthetic data on antibiotic susceptibility of *Streptococcus pneumoniae* strains isolated in the BACTRO study
- 15:15-15:30 Dr. Mircea Ioan POPA, UMF Carol Davila, INCDMM Cantacuzino
Antibiotic resistance in the veterinary and environmental sectors - Key aspects for a One Health approach
- 15:30-15:45 Dr. Andrei-Alexandru MUNTEAN, UMF Carol Davila București, INCDMM Cantacuzino
Antibiotic resistance in the clinical sector - evolution of the phenomenon, role of the laboratory in diagnosing and combating infections with multidrug-resistant germs
- 15:45-16:00 Dr. Andrei-Alexandru MUNTEAN, UMF Carol Davila București, INCDMM Cantacuzino
Evolution and implications of antibiotic resistance in the veterinary and environmental sector - key issues for a One Health approach (CHIFIRIUC C, MUNTEAN AA)
- 16:00-17:00 One Health Board Meeting**
- 16:00-17:00 BRD Round table: The Metropolitan Green Ring of Cluj - How to get involved as an academic in a Participatory Action Research campaign**
Moderator: Adrian DOHOTARU
- 17:00-17:30 Coffee break**
- 17:30-18:30 Antibiotic resistance (2)**
Moderator: Assoc. Prof. Constantin CERBU, USAMV Cluj-Napoca
- 17:30-17:45 Dr. Dragoș Cosmin ZAHARIA, UMF Carol Davila, National Pneumoftiziology Institute Prof. Dr. Marius Nasta
Microcalorimetry for studying the interaction of bacteria and antibiotics in real time (antibiogram in real time) - online
- 17:45-18:00 Dr. Luminița-Maria ROMAȘCU, Institute of Diagnostics and Animal Health, Bucharest
Prevalence of antimicrobial resistance of ESBL/AMPC synthesizing commensal *Escherichia coli* strains isolated from the cecal contents of slaughtered pigs in Romania during 2015-2021 - online (ROMAȘCU LM, MILIȚĂ NM, KRAMER A, SARBU CA, ȘTEFĂNESCU A, VOICU SS, NICORICI E, CARTOJAN M, TIPIȘCĂ M, GLIGORE V, NUȚIU CM, VĂCĂREL AG, ANDOR C, BĂRBUCEANU F)
- 18:00-18:15 Prof. Mircea N. PENESCU, Romanian Academy, One Health Commission
Chronic urinary infections with *E. coli* resistant to antibiotics. Clinical studies - online (PENESCU MN, STROIE AM)
- 18:15-18:30 Dr. Anca Maria NICOLESCU, Romanian Academy, One Health Commission
Prevention and treatment of infectious diseases (bacterial, viral, parasitic) based on the use of specific Y immunoglobulins. Clinical and observational studies - online
- 19:30-21:30 Dinner**

Sat, 25 November

09:00-11:00 Ecohealth (1)

Prof. Doru PAMFIL, Romanian Academy

- 09:00-09:15 Assoc. Prof. Liviu BILTEANU, USAMV Bucharest
Approaching complexity in One Health by mathematical modelling and machine learning
- 09:15-09:30 Prof. Alina RUSU, USAMV Cluj-Napoca
Applied values of “One Health, One Welfare” approach to animal-assisted interventions
- 09:30-09:45 Ec. Mariana PIPIRIGEANU, Romanian Academy, CIDE
Digitalization to support public health policies: databases and their protection - *online* (GÂRLEA C, MIHALCESCU M, TOMA I, PIPIRIGEANU M)
- 09:45-10:00 Acad. Doru PAMFIL, Romanian Academy
One Health - One Earth - One Concept
- 10:00-10:15 Prof. Carlos Gonçalo DAS NEVES, EFSA’s Chief Scientist
Governance of OH in the European Union: a food safety case study - *online*
- 10:15-10:30 CS I Cristina GÂRLEA, Head of Environment, One Health Commission, Romanian Academy
Climate risks affecting health (GÂRLEA C, MARIN C, PETRESCU C, MAROLA V, MALOȘ IG)
- 10:30-10:45 Assoc. Prof. Vincenzo Michele SELLITTO, Italy
Microbiome: One-health: from soil to human well-being - *online*
- 10:45-11:00 Prof. Mignon Severus SANDOR, USAMV Cluj-Napoca
Soil health - integrated part of One Health concept

11:00-11:30 Coffee break

11:30-13:00 Ecohealth (2)

Prof. Mignon Severus SANDOR, USAMV Cluj-Napoca

- 11:30-11:45 Prof. Flaviu Alexandru TABARAN, USAMV Cluj-Napoca, DipACVP
Ecopathology and comparative pathology
- 11:45-12:00 Prof. Stefan ȘERBULEA, The Technical University of Constructions, Bucharest
Ecological reconstruction: case studies - *online* (ȘERBULEA MS, GÂRLEA C, DRAGOMIR BALANICĂ C, MARIN C, PREDA LA)
- 12:00-12:15 Assoc. Prof. Constantin CERBU, USAMV Cluj-Napoca
Fate of biodegradable engineered antibiotic-loaded nanoparticles used in veterinary medicine from a One Health perspective
- 12:15-12:30 Dr. Adriana ROȘCA, Central Military Hospital
Cardiovascular diseases in One Health community. A novel perspective on the complex interaction - *online* (ROȘCA AE, SĂVOIU D)
- 12:30-12:45 Assoc. Prof. Relu RANETTI, Central Military Hospital
Impact of food on the health
- 12:45-13:00 Dr. Isabelle METAXA, “Dunărea de Jos” University of Galati
Key aspects for the “One Health – One Earth” approach in pond fish culture

13:00-14:30 Lunch

14:30-17:00 Zoonoses and Comparative pathology

Moderator: Prof. Andrei Daniel MIHALCA, DipECZM, USAMV Cluj-Napoca

- 14:30-14:50 Prof. Iuliana Angela POPESCU, University of Kentucky
Environmental endocrine disruptors in action - a non-classical hormone receptors' perspective - *online*
- 14:50-15:10 Prof. Radu BLAGA, ENV Alfort
The One Health approach to food-borne zoonotic parasites: the example of *Trichinella* spp. and *Toxoplasma gondii* in Europe
- 15:10-15:30 Prof. Marian Aurel TAULESCU, DipECVP, USAMV Cluj-Napoca, DipECVP
Exogenous Jaagsiekte Sheep Retrovirus type 2 (exJSRV2) related to ovine pulmonary adenocarcinoma (OPA): a potential animal model for human lung cancer (TAULESCU M, TOMA C, HODOR D, NEGOESCU A, CĂTOI C)
- 15:30-15:45 CS I Carmen C. DIACONU, Romanian Academy, Stefan S. Nicolau Institute of Virology
Challenges of prevention and management of emerging and re-emerging zoonoses - *online* (DIACONU CC, NEAGU A, CHIVU-ECONOMESCU M, MATEI L, DRAGU D, NECULA LG, PITICA I, MAMBET C, BLEOTU C, RADU EL, SCHULMAN A, VOICU O, NEDEIANU S, ATAMAN M, IANCU IV, ALBULESCU A, BOTEZATU A, GRANCEA C, CHIRIAC D, TEMERANCA A, SULTANA C, RUTA SM)
- 15:45-16:00 Prof. Mihaela Sorina LUPȘE, UMF Cluj-Napoca
***Coxiella burnetii* infection: from coxiellosis to Q fever**
- 16:00-16:15 Assoc. Prof. Carmen COSTACHE, UMF Cluj-Napoca
Superbugs everywhere: from food to ICU. Who's winning? (COSTACHE C, COLOSI I, BACIU A, OPRIȘ R, ȚOC DA)
- 16:15-16:30 CS I Vlad VUȚĂ, Institute of Animal Health and Diagnosis
The evolution of rabies in Romania following the eradication programs co-financed by the European Union - *online* (VUȚĂ V, BONCEA D, BĂRBUCEANU F)
- 16:30-16:45 CS I Doru HRISTESCU, Institute of Animal Health and Diagnosis
Development of a serological technique to determine the level of antibodies against SARS-CoV-2 virus in the context of the COVID 19 pandemic - *online* (HRISTESCU D, VUȚĂ V, TAMBA P, DIACONU C, BĂRBUCEANU F)
- 16:45-17:00 Assist. Prof. Mirela RUS, USAMV Cluj-Napoca
Model of horse-assisted therapy

17:00-18:00 Posters with coffee

BACIU GE, TOMA I, GÂRLEA C
Biodiversity conservation in agroforestry areas

FOLTOȘ ND, BĂRBUCEANU F
Avian influenza - highly pathogenic viral serotypes circulating in Europe, during 01.01.2019 – 30.06.2023

GÂRLEA C, MARIN C, BĂLĂNICĂ CD
Rural gentrification and climate change

HÎRUȚA A, NEGOESCU A, POP R, HODOR DL, MARICA R, CĂTOI C, TAULESCU M
Comparative analysis of mammary gland tumors in dogs and human breast cancer: insights into pathogenesis and therapeutic implications

HODOR DL, TOMA C, MORAR A, POP R, NEGOESCU A, HÎRUȚA H, MARICA R, CĂTOI C, TAULESCU M

Comparative pathology perspective of oncogenetic pathways in human lung adenocarcinoma and ovine pulmonary adenocarcinoma

IANI AD, DEAK G, MIHALCA AD

European mustelids as a source of zoonotic parasitic infections

IONESCU M, TUDOR L, VANGHELE M, VLAICU V, IORDACHE LN, BĂRBUCEANU F

The incidence of *Salmonella* serovars in the categories of production of broilers, laying hens, breeding hens and turkeys for fattening, monitored in the framework of the national control programs for zoonotic salmonellosis implemented in Romania, during 2020-2021

IORDACHE LN, MARINESCU G, IONESCU M, VLAICU V, POPOVICI A, STAMATE D, VANGHELE M, MITRAN AD, BĂRBUCEANU F

Research on infections caused by *Mycobacterium* species from the *Mycobacterium tuberculosis* complex in mammals, in Romania, during 2020-2021

MECHOUK N, DEAK G, IONICĂ AM, BOUSLAMA Z, MIHALCA AD

First molecular evidence of *Trichinella britovi* in a domestic dog, *Canis familiaris*, in Algeria

MECHOUK N, IONICĂ AM, CAZAN CD, DEAK G, BOUSLAMA Z, MIHALCA AD

First molecular evidence of *Borrelia lusitaniae* from sympatric *Ixodes* questing ticks in Algeria

NEGOESCU A, POP R, HÎRUȚA A, HODOR DL, MARICA R, CĂTOI C, TAULESCU M

Preliminary study regarding the immunohistochemical expression of Mismatch Repair Proteins (Lynch-like syndrome) in canine colorectal carcinoma

POP R, NEGOESCU A, HÎRUȚA A, HODOR DL, MARICA R, CĂTOI C, TĂBĂRAN AF

Validation and optimization of chemically induced hepatic carcinogenesis protocol by diethylnitrosamine in Swiss mice

18:00-18:30 Conclusions & Wrap up. Closing ceremony

19:00-21:00 Dinner