



**FEDERATION
OF EUROPEAN
ACADEMIES
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**SPIRU HARET
UNIVERSITY
BUCHAREST
ROMANIA**



**UNITED NATIONS
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INDEX INSTITUTE**



**ROMANIAN ACADEM
OF MEDICAL SCIENCES
ONE HEALTH COMPARATIVE
MEDICINE INSTITUTE**



**ONE HEALTH
NEW MEDICAL
CONCEPT
ROMANIA**

2nd European ONE HEALTH Conference

21 – 22 June 2019

**Venue: Spiru Haret University, 24 Berceni Sos.,
Bucharest, Romania**



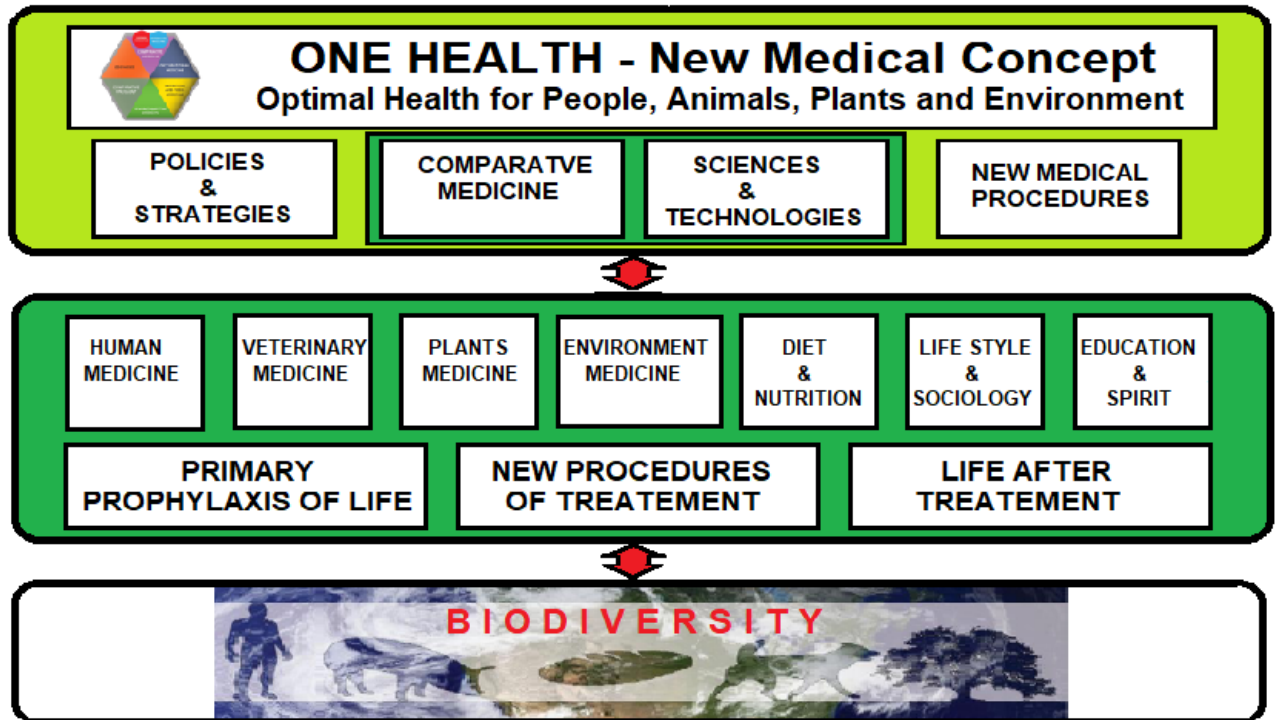
Under High Patronage of the Romanian Government

“ONE HEALTH”

New Global Concept

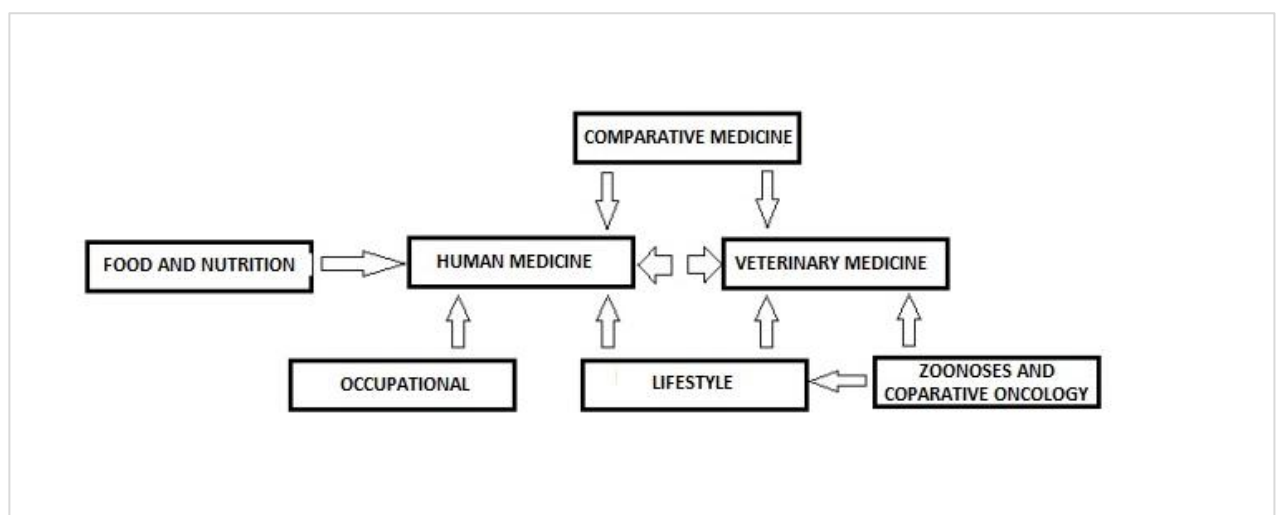
Health for People, Animals, Plants and Environment

Joint effort for a safe and comfortable life



One Health is the collaborative effort of multiple health science and advanced technologies professions and, together with their related disciplines and institutions – working locally, nationally, and globally – to attain optimal health for people, domestic animals, wildlife, plants, and our environment.

The **One Health** concept implies the synergy of Human Health, Veterinary Medicine, Environmental Medicine, Food and Nutrition Medicine, Occupational Medicine, Comparative Medicine (zoonoses and Comparative Oncology), aiming to promote PRIMARY LIFE PROFILAXY as a major vector, and putting health care in the service of desideratum as healthier as possible with lower costs.



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CEO & Founder, United Nations Global Sustainability

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Conference website: <https://onehealthevents.eu/>

The official languages of conference are **Romanian** and **English**

SPECIAL INVITED SPEAKERS

Federation of European Academies of Medicine (FEAM)

Prof. George Griffin, PhD, MD

President

Acad. André Laurent Parodi

Honorary President

Prof. Stefan Constantinescu, PhD, MD

Vice-president

European Biotechnology Network Association

Prof. Munis Dündar, PhD, MD

President

World Veterinary Association

Prof. Grigoryan Grigor, PhD, DVM

Armenia

Dr. Katrinka Zoran, PhD, DVM

Serbia

French Agency for Food, Environmental and Occupational Health & Safety (ANSES)

Dr. André Jestin PhD, DVM

France

Institute *Pasteur*, France

Prof. Marc Eloit, PhD DVM

France

Texas University, U.S.A.

Prof. George Stoica, PhD, DVM

USA

GBR Consultancy.

Guy Bradley Roberts,
CEO of Former Assistant Secretary of Defense for
Nuclear, Chemical, Biological Defense Programs

USA

CONFERENCE PROGRAMME

21 June 2019, Friday

09:00–10:00	Opening Ceremony <i>Nicolae Manolescu</i>, President, Romanian <i>One Health</i> New Medical Concept and President of <i>One Health</i> Comparative Medicine Institute <i>Aurelian Bondrea</i>, Rector, <i>Spiru Haret</i> University, Bucharest, Romania <i>George Griffin</i>, President, Federation of European Academies of Medicine, Emeritus Prof. of Infectious Diseases and Medicine, <i>St George's</i>, University of London <i>Viorica Dăncilă</i>, Prime-Minister, Romanian Government <i>Roland Schatz</i>, CEO & Founder, United Nations Global Sustainability Index Institute <i>Guy Bradley Roberts</i>, CEO of GBR Consultancy. Former Assistant Secretary of Defense for Nuclear, Chemical, Biological Defense Programs <i>George Stoica</i>, PhD, DVM, Prof. Texas University USA <i>Ștefan Constantinescu</i>, Professor, Université Catholique de Louvain, Brussels, Belgium; Vice- President, Federation of European Academies of Medicine <i>André Laurent Parodi</i>, Honorary President, French National Academy of Medicine <i>Diana Loreta Păun</i>, State Counselor at the Romanian Presidency <i>Irinel Popescu</i>, President, Romanian Academy of Medical Sciences <i>Mircea Ifrim</i>, General Secretary, Romanian Academy of Medical Sciences <i>Gareth Presch</i>, Founder, World Health Innovation Summit <i>Cornel Cătoi</i>, Rector, University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca <i>Atila Kelemen</i>, Scientific Council, Romanian Sanitary-Veterinary and Food Safety Authority
10:00–10:20	Coffee Break
10:20–12:00	Plenary Session I: Pharmaceuticals – including microbials, and their environmental impact
10:20-10:45	<i>Hans Stielstra</i> , EC Strategic approach on Pharmaceuticals in the environment
10:45-11:10	<i>Hannah Leckke</i> , OECD strategy on pharmaceutical in the environment and AMR
11:10-11:35	<i>Christoph Lübbert</i> , Multi-drug resistance as a growing global problem and its clinical impact
11:35-12:00	<i>Jason Snape</i> , The environmental dimensions of AMR – industry perspective
12:00–13:00	Round table I: Cross-sectoral roundtable discussion (FEAM European Biomedical Policy Forum) Chair: George Griffin
13:00–14:00	Lunch
14:00–15:40	Plenary Session II Chairs: André Laurent Parodi and Irinel Popescu
14:00-14:25	<i>Heiman Wertheim</i> , Antibiotic resistance in a global <i>One Health</i> perspective; a personal experience from Vietnam
14:25-14:50	<i>Andrei-Alexandru Muntean, Miron Alexandru Bogdan</i> , Antimicrobial resistance: a <i>One Health</i> approach in ESKAPE pathogen

14:50-15:15	Jean-Christophe Giard , Antimicrobial susceptibility of equine clinical isolates from France (2006-2016)
15:15-15:40	Munis Dundar , Consideration of EBTNA as honorary partner of the organization
15:40–19:00	Plenary Session III Chairs: George Griffin and Ștefan Constantinescu
15:40-16:00	Nicolae Manolescu , Proposals for the structure of the <i>One Health</i> European mega-program
16:00-16:30	André Laurent Parodi , Veterinary oncology: past, present and future
16:30–16:45	Coffee Break
16:45-17:10	Grigor Grigoryan , <i>One Health</i> activities in some of the former Soviet Republics of Eastern Europe, South Caucasus and Middle Asia
17:10-17:35	André Jestin , European Union funded research projects on Zoonoses, added value of the <i>One Health</i> approach
17:35-18:00	Vasile Cepoi , Updated methods for the detection of intra-hospitalized associated infections
18:00-18:25	Cristina Gârlea , Academic approach of major risk in environment
18:25-18:50	Petre Bădică , MgB ₂ based materials for the improvement of life quality
18:50-19:30	George Griffin , General discussion and next steps
19:30–22:00	Gala Dinner

22 June 2019, Saturday

9:00–11:00	Round Table II Chairs: Gareth Presch, Munis Dundar and Costin Lianu The business environment and <i>One Health</i> – Food security and food certification. Organic and ecological products, disruptive technologies
11:00–11:15	Coffee Break
11:15–13:00	Plenary Session IV Chairs: André Laurent Parodi and Nicolae Manolescu
11:15-11:40	Eleanor M. Riley , Malaria as a risk factor for invasive bacterial disease
11:40-12:15	Marc Eloït , The SPILLOVER programme: looking for unknown zoonotic viruses by exploring animal reservoirs-human interfaces using wide range agnostic detection techniques
12:15-12:40	Mirjam Nielen , Vaccination of dairy goats against Q-fever to protect the general human population: evidence from the Dutch context
12:40-13:00	George Stoica , Motor Protein Myosin 5A Mutation in Neurodegeneration
13:00–14:00	Lunch
14:00 – 14:50	Plenary Session V: Chairs: Arturo Anadon, Nastasia Belc and Guy Roberts
14:00-14:25	Arturo Anadon , Foodstuff safety in relation with animal treatments
14:25-14:50	Nastasia Belc , Food as a mean to prevent diseases
14:50–16:00	Round Table III Chairs: George Griffin, Irinel Popescu and Mircea Penescu Coordinator ACTIVEIMMUNITY SRL Liliana Viasu, Costin Militaru, Cristian Viasu Application of avian proteins in infections caused by antibiotic-resistant germs
16:00–17:00	Plenary Session VI Chairs: Simin Florescu and Gian Maria Rossolini
16:00-16:25	Gian Maria Rossolini , Antimicrobial Resistance – clinical impact, molecular epidemiology
16:25-17:00	Stefan Lazăr and Simin Florescu , Evolution of hospitalized zoonoses in the last decade in the Clinical Hospital of Infectious and Tropical Diseases <i>Dr. Victor Babes</i>
17:00–17:30	Closing ceremony

POSTERS / ROUND TABLE

Authors	Title
Corina Bistriceanu, Cristina Gârlea, Cornelia Marin, Cristinel Sonea	The meaning of the word “Healthy” in approach <i>One Health</i>
Emilia Balint, Iuliana Codreanu, Radu Anghel, Nicolae Manolescu	The relationship between animals, humans and the environmental stress syndrome
Alexandra Trașcă, Nicolae Manolescu, Emilia Balint	Canine and feline oncology, fundamental elements of <i>One Health</i> principle
Marius Stănescu, Adrian-Bogdan Popescu, Radu Zubaci, Adrian-Simona Ionescu	Updates in lower limb prosthetics, a comparative view of the human and canine models
Ștefania-Adelina Milea, Gabriela Râpeanu, Gabriela-Elena Bahrim, Nicoleta Stănciuc	Yellow onion skins: a possible source for positive health effects
Nina-Nicoleta Condurache, Gabriela Răpeanu, Gabriela-Elena Bahrim, Nicoleta Stănciuc	Anthocyanins from food by-products as alternative for synthetic additives? A big challenge for food and related industries
Dragos-Constantin Coman, Adrian-Ștefan Dumitru, Nicolae Manolescu	Persistent lymph node stimulation – a possible release factor for lymph node cancer
Ana-Maria Coman, Cristinel Șonea, Nicolae Manolescu	Cythemorphological modifications of hematopoiesis as signaling element of the possibility of neoplastic transformation
Violeta-Elena Simion, Adriana Amfim	Mycotoxins in food of non-animal origin – risk for animals and humans
Mădălina Belous	Food certification – a value added for food safety
Mădălina-Teodora Andrei, Bianca-Elisabeta Panduru, Cristina Ilie	Building economy support for natural protected areas using a <i>One Health</i> perspective
Irina Zamfirache, Oliva Maria Dourado Martins, Violeta-Elena Simion	Edible insects – alternative sources of food?
Dan Rădulescu	Standards and regulations for the value chain related on <i>One Health</i> nature based solutions for a healthier living
Costin Lianu, Irina Gabriela Rădulescu, Corina Gudei	Romanian organic agriculture, vector of bioeconomy in Romania. Inter professional organization in organic farming and <i>One Health</i> concept
Madalina Giurescu, Stefan Lianu, Alexandru Merfu	Standards and regulations for the value chain related on <i>One Health</i> . <i>Seabuckthorn</i> – a revolutionary element for health
Costin Lianu, Cosmin Lianu	Transforming the business environment to match with <i>One Health</i> paradigm. Where is the profit?
Nicolae Craciun, Maria Teodorescu	Trends and solutions towards sustainable life, science, food and environment
Viorel Andronie, Ileana Pitoiu, Ioana Andronie	Antimicrobial Sensitivity of bacterial stains from milk dairy cows
Marcel Theodor Paraschivescu, Marcel Paraschivescu, Dumitru Georgescu, Cristina Garlea	Building a zero hunger generation in a veterinary vision
Cristina Garlea, Ioana Toma, Gyuri Deak, Mariana Pipirigeanu	Environmental risks due the dangerous wastes

Posters will be exposed starting from 21 June, 9:00 till the end of the Conference

“ONE HEALTH Concept”

The main objectives of the “One Health” Concept implementation

- ❖ Healthy human does not get sick and enjoy a fully life;
- ❖ The suffering human has to restore his potential and comfort as much as possible;
- ❖ Reduce "per capita" costs for Health, in contrast to aggression increased by factors such as: climate change, population movements ...
- ❖ Increasing the performance and balance of the individual in general and in particular in the work and daily life.

Directions of action

- ❖ Creating a collaborative platform for all professional sectors and actors in those activities may have an impact on health;
- ❖ The education of the individual who must come to a new consciousness about his life and relationship with everything that surrounds him;
- ❖ Elaboration and implementation of new National, European and Worldwide Regulations and Normative that must be effective in supporting the implementation of the Concept.

Challenges

The major challenges that stand in front of the promotions and implementations of the concept are, as follows:

- ❖ The realization, in a very short time, the element neglected today in Romania and internationally, namely the general prophylaxis of diseases in humans, animals and the environment, of food and occupation security, through appropriate structures and legislation;
- ❖ Developing and promoting licensing Technics and Procedures which rallies synergies of the founding Concept areas;
- ❖ Information and public education, adequate academic curriculum to the Concept and additional qualifications of medical staff.

The worldwide importance

Formalized and launched in the US in 2008, the "One Health" concept was adopted as a programmatic directive and an operational tool by global and regional institutions.

A good example is the guideline that call for the "One Health" concept in solving the most serious problem affecting health, and this is the antimicrobial resistance in the plan of interaction between human-animal-environmental (it is estimated that in the coming years AMR will become a greater threat than the cancer or the 2008 financial crisis).

- 2015 U.S. National Action Plan (2015) for Combating Antibiotic Resistant Bacteria
- 2015 AMR Surveillance within the U.S. Military
- 2015: The global plan of action of WHO (OMS) for antimicrobial resistance (AMR),
- 2016: UN Declaration on Antimicrobial Resistance (AMR)
- 2017: "One Health" European Action Plan against antimicrobial resistance, EU Commission



AKNOLEDGMENTS

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