

2nd CROATIAN CONGRESS on Biosafety and Biosecurity
with international participation

under the auspice of the Government of the Republic of Croatia



ORGANIZERS

Croatian Medical Association - Croatian Society for Biosafety and Biosecurity

**Croatian Institute of Public Health
University hospital for infectious diseases "Dr. Fran Mihaljević"
Croatian Academy of Medical Sciences
Croatian Medical Association-Croatian Society for Clinical Microbiology-Virology Section
Hybrid Warfare Research Institute
RACVIAC – Centre for Security Cooperation
Konrad Adenauer Foundation - Office of the Foundation Croatia and Slovenia
Croatian Society for Infectious Diseases**

**The Westin Zagreb Hotel
Zagreb, Croatia**

May 25th-27th, 2023

2nd CROATIAN CONGRESS ON BIOSAFETY AND BIOSECURITY WITH INTERNATIONAL PARTICIPATION

May 25-27, 2023, Westin Hotel, Panorama Hall, 17th floor

PROGRAM

THURSDAY, MAY 25, 2023

15.30-16.30 Registration

16.30-17.45 Pre-Congress Workshop, Chairs: Assoc. prof. Anna Mrzljak, Prof. Adriana Vince, Assoc. prof. Tatjana Vilibić Čavlek

INFECTIONS IN IMMUNOCOMPROMISED PATIENTS		
16.30-16.40	Assoc. prof. Tatjana Vilibić Čavlek	Blood-borne hepatotropic viruses in different populations in Croatia
16.40-16.50	Željka Jureković, MD	Hepatotropic viruses in haemodialysis patients and kidney transplant candidates
16.50-17.00	Assoc. prof. Vladimir Stevanović	Human pegivirus infection in transplant candidates and transplant patients in Croatia
17.00-17.10	Bojana Šimunov, PhD	Hepatitis E virus infection after kidney transplantation
17.10-17.20	Assoc. prof. Anna Mrzljak	Torque teno virus infection after solid organ transplantation
17.20-17.30	Assist. prof. Jadranka Pavičić Šarić	Viral infections in transplant patients in Intensive care unit
17.30-17.45	DISCUSSION	

OPENING CEREMONY

18.30-19.00	Welcome speeches	TBC
Plenary lectures		
19.00-19.20	Assist. prof. Davor Božinović	Actual safety situation in Europe
19.20-19.40	Prof. James W. LeDuc	What the debate on the origin of COVID-19 has told us about laboratory safety and security
19.40-20.00	Prof. Nancy Connel	Applied biosafety and biosecurity in the age of synthetic biology
20.00 Welcome cocktail		

FRIDAY, MAY 26, 2023

8.00-8.30	REGISTRATION	
Session I	COVID-19 AND CRISIS MENAGEMENT Chairs: Acad. Mirsada Hukić, Primarius Vera Katalinić Janković and Primarius Ana Gverić Grginić	
8.30-8.50	Assoc. prof. Krunoslav Capak	COVID-19 epidemic and post COVID-19 in Croatia
8.50-9.10	Shaul Shay, PhD	Military activities in ensuring biosafety and biosecurity – the Israeli experience
9.10-9.30	Acad. Mirsada Hukić	Navigating Biosafety Planning and Monitoring with an Epidemiological Location-Intelligence System: Game-Changer in Epidemiology
9.30-9.45	Primarius Vera Katalinić Janković	HERA-planning on EU preparedness and response in crises and emergencies
9.45-10.00	Prof. Davor Vagić, Primarius Ana Gverić Grginić	Biosafety in COVID-19 Arena Stationary Hospital. How to be successful in transformation of sports hall to field hospital?
10.00-10.15	Zvonko Orehovec, PhD	COVID-19: Multisectoral approach to biosafety and biopreparedness - lessons learned
10.15-10.25	DISCUSSION	

Coffee break 10.25-10.45

Session II	ONE HEALTH Chairs: Lorena Jemeršić, PhD, Prof. Ljubo Barbić and Ivan-Christian Kurolt, PhD	
10.45-11.05	Prof. Ljubo Barbić	„One health “– past, present and future of veterinary medicine
11.05-11.20	Lorena Jemeršić, PhD	Biosafety measures against the spread of emergent viral infections in animals - the example of African swine fever
11.20-11.35	Prof. Vladimir Savić	Dominant strains of avian influenza virus and their zoonotic potential
11.35-11.50	Prof. Josip Margaletić, Assoc. prof. Marko Vucelja, Linda Bjedov, PhD	Importance of forestry in biosecurity and biosafety
11.50-12.05	Ivan-Christian Kurolt, PhD	Modern technologies for diagnosing pathogens with epidemic potential
12.05-12.20	Tihana Miškić, DVM	Anthrax epidemic in Lonjsko polje Nature Park
12.20-12.35	Nikolas Mastin	Dangerous goods transportation
12.35-12.45	DISCUSSION	

Lunch break 12.45-13.35

Session III	BIOSAFETY IN HEALTHCARE Chairs: Prof. Alemka Markotić, Prof. Ana Budimir and Snježana Krpeta, MSc	
13.35-13.55	Prof. Alemka Markotić	Effective clinical healthcare during epidemics/pandemics of life-threatening infectious diseases

13.55-14.15	Karen Nahapetyan, PhD	An overview of WHO work in the biosafety and biosecurity area
14.15-14.30	Prof. Ana Budimir	Prevention and control of healthcare-associated infections and biosafety
14.30-14.45	Prof. Arjana Tambić Andrašević	Facing the problem of antimicrobial resistance in the 21 st century
14.45-15.00	Assoc. prof. Marija Santini	Off-label use of antimicrobial drugs
15.00-15.15	Snježana Krpeta, MSc	Ensuring the biosafety of patients by organizing nursing care in outpatient and hospital conditions during the pandemic
15.15-15.30	Assist. prof. Miša Korva	Laboratory and diagnostic preparedness for emerging infectious diseases
15.30-15.40	DISCUSSION	

Coffee break 15.40-16.00

Session IV	EPIDEMIC THREATS OF NATURAL ORIGIN AND BIOTERRORISM Chairs: Barak Bouks, PhD, Assist. prof. Ljiljana Žmak and Prof. Davorka Lukas	
16.00-16.20	Bernard Kaić, MD	Challenges of vaccination against infectious diseases with epidemic potential
16.20-16.40	Barak Bouks, PhD	Terror Groups Throughout COVID19: Did the Conventional Modus Operandum Changed?
16.40-17.00	Prof. Alberto Testa	Monitoring Far-right extremism: Recognising risk indicators
17.00-17.15	Assist. prof. Ljiljana Žmak	Impact of migrations on biosafety
17.15-17.30	Assist. prof. Tonći Prodan	Protection of drinking water from bioterrorism
17.30-17.45	Prof. Davorka Lukas	Importance of appropriate evaluation of returning traveller with infectious diseases symptoms
17.45-18.00	Dragutin Tušek, PhD	Wars and terrorism as cause of biosecurity
18.00-18.10	DISCUSSION	

18.45. Joint departure (lobby of the Westin hotel) to the exhibition of student works as part of the "Biosafety and biosecurity" project in elementary and high schools in the Republic of Croatia

20.00 Congress Dinner - Novinarski dom

SATURDAY, MAY 27, 2023

8.30-9.00	REGISTRATION	
Session V	MODERN CBRN THREATS Chairs: Valentina Ključarić, PhD, Andrea Ledić, MSc and Assist. prof. Gordan Akrap	
9.00-9.20	Andrea Ledić, MSc	Modern forensic technologies and types of expertise in „Ivan Vučetić“ Forensic Science Centre
9.20-9.35	Assist. prof. Jurica Karlo	Food as national critical infrastructure
9.35-9.50	Valentina Ključarić, PhD	Position and role of CBRN defence military segment in national safety system
9.50-10.05	Assist. prof. Gordan Akrap	Counterintelligence related to the spread of infectious diseases
10.05-10.20	Mario Mustapić	Suspicion on so-called „dirty bombs “
10.20-10.35	Slavko Bokan, PhD	Biological weapons threat and natural disasters, biosafety and biosecurity
10.35-10.50	Vesna Pehar, MSc	Biosecurity and biosafety - new challenges for military-civilian cooperation
10.50-11.00	DISCUSSION	

Coffee break 11.00-11.30

Session VI	BIOHAZARDS AND BIOSAFETY IN EDUCATION Chairs: Assist. prof. Klaudija Višković, Assist. prof. Ljiljana Žmak and Mr. sc. Maja Kassa	
11.30-11.50	Åsa Bjorndal, PhD	European Biosafety Association – a community that unites biosafety professionals on the European arena
11.50-12.10	Assist. prof. Klaudija Višković	Biological effects and safety in MR imaging
12.10-12.25	Mr. sc. Maja Kassa	Education on biosafety and biosecurity in the Croatian educational system
12.25-12.40	Donna Vadlja, MSc	Contemporary natural and anthropogenic biothreats
12.40-12.55	Assist. prof. Nataša Janev Holcer	The importance of education for the preparedness of the public health system in disasters
12.55-13.10	Jacqueline Domjanić, PhD	Standardization of personal protective equipment for children
13.10-13.30	Randall Murch, PhD	Cyberbiosecurity: A Global Conversation
13.30-13.40	DISCUSSION AND CONGRESS CLOSURE	