



**The 11th SCIENTIFIC CONFERENCE EPIMILITARIS 2025
Epidemiology and Security CBRNE**

April 7-9, 2025. Hotel „Zamek Ryn”

Honorary Patronage

Deputy Prime Minister, Minister of National Defense
Władysław Kosiniak-Kamysz



**Ministerstwo
Obrony Narodowej**

Scientific Patronage



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Military Institute of Aviation Medicine

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1. The Epidemiological Response Centre of the Polish Armed Forces,
2. The Association of Defence Communities Movement,
3. The Military Institute of Armament Technology,
4. The Optoelectronic Institute of the Military University of Technology,
5. Polish Naval Academy,
6. Hirszfeld Institute of Immunology and Experimental Therapy Polish Academy of Sciences,
7. The Government Agency for Strategic Reserves.



Main partners:



Partners:



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Arkadiusz Kosowski Col. MD – Director of the Military Health Service Department

Radosław Skrzypczyński Col. - Commander of the Epidemiological Response Centre of the Polish Armed Forces

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Jarosław Teska, prof. AMW – Vice-Rector for Education and Students, Polish Naval Academy

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Wojciech Sokołowski Cmdr. Assoc. prof. – Dean of the Faculty of Command and Maritime Operations, Polish Naval Academy / Association of Defence Communities Movement

Ewelina Maculewicz Prof. WIML – Military Institute of Aviation Medicine

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Rafał Bazela Col (r.) assoc. prof.– Military Institute of Armament Technology / Association of Defence Communities Movement

Mateusz Kuczabski assoc. prof. – Director of SP ZOZ PIASTUN/ University of Siedlce/ Association of Defense Communities Movement

Leszek Słomka Col. PhD – Department of Military Foreign Affairs

Barbara Betiuk Col. PhD – General Staff of the Polish Army

Anna Mróz – Jagiełło PhD - President of the Management Board of the Association of Defence Communities Movement

Arkadiusz Trzos PhD– Jagiellonian University - Medical College

Jacek Stempień Lt. Col. PhD – Vice President of the Management Board of the Association of Defense Communities Movement

Izabela Tomaszewska Maj. PhD – Epidemiological Response Center of the Polish Armed Forces

Dariusz Nowak PhD – Member of the Management Board of the Association of Defense Communities Movement

Paweł Stobiecki PhD - Association of Defense Communities Movement

Alicja Żukowska PhD – Polish Naval Academy/ Association of Defense Communities Movement

Organizational Committee

Grzegorz Irzyk Lt. Col. - Epidemiological Response Centre of the Polish Armed Forces

Anna Mróz-Jagiello PhD - President of the Management Board of the Association of Defence Communities Movement

Paweł Sweklej Col. PhD - Director of the Military Institute of Armament Technology

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Katarzyna Sala Lt. Col. - Association of Defence Communities Movement

Łukasz Krzowski Lt. Col. - Military University of Technology

Capt. Anna Pogorzelska capt.- Epidemiological Response Center of the Polish Armed Forces

Małgorzata Nadulicz MA- Military Institute of Armament Technology/ Association of Defence Communities Movement

Marta Adamczewska MA - Association of Defence Communities Movement

Katarzyna Klimczyk MA - Association of Defence Communities Movement

CONFERENCE AGENDA

7.04.2025 (monday) – 1st day

10.30 - 13.00	Participants registration
12.00 - 13.00	Lunch
Opening Session The Jagiellonian Hall	
13.00 - 13.15	Opening of the Conference, welcoming of the guests President of The Association of Defence Communities Movement Anna Mróz – Jagiello PhD Commander of The Epidemiological Response Centre of the Polish Armed Forces Radosław Skrzypczyński col. doctor
13.15 – 13.45	Dynamic development of security science. Theory and practice of contemporary international security Maciej Marszałek col. (r.) pilot prof
13.45 - 14.15	Non-military defence preparations of the health sector - new obligations for healthcare entities Piotr Robakowski PhD
14.15 – 14.45	Discussion
14.45 - 15.30	Group photo Coffee break
Panel 1 The role of the Military Institute of Aviation Medicine in the prevention of vector-borne diseases among soldiers and military personnel in the work environment The Jagiellonian Hall Moderator: Ewelina Maculewicz prof. WIML	
15.30 - 15.50	The real threat of vector-borne diseases resulting from exposure to mosquitoes in soldiers and military personnel Katarzyna Komar
15.50 - 16.10	Dangerous species of ticks occurring in Poland as a real threat of transmitting bacterial and viral diseases to soldiers on duty Anna Borecka PhD
16.10 - 16.30	Why ticks and mosquitoes should be tested for vector-borne diseases Łukasz Krzowski lt. col.
16.30 - 16.50	Lyme borreliosis - clinical symptoms and laboratory diagnostics Agata Pabin
16.50 - 17.00	Discussion
17.00 - 18.00	Artistic performance: Representative Artistic Group of the Polish Army
20.00 - 02.00	Dinner

08.04.2025 (tuesday) – 2nd day

Panel 2 Identification and neutralization of CBRNE agents. Procedures, techniques, new technologies.

The Jagiellonian Hall

Moderator: Artur Zdrojewski lt. Col. (r.) PhD, Łukasz Krzowski lt. Col.

09.00 - 09.30	Hygiene and safety tactics for every successful mission Łukasz Tatuško, Adam Sulewski
09.30 - 10.00	Advantages of Stand- Off Detection (Zalety aktywnego wykrywania zagrożeń chemicznych) Sabina Rehusova
10.00 - 10.15	Basic elements of respiratory protection during CBRN incidents Dariusz Packi System solutions for Personal Protective Equipment kits for CBRN threats Mirosław Jakubowski
10.15 - 10.30	CBRN Reconnaissance Vehicles Tomasz Kutermankiewicz, Dominik Haber
10.30 - 10.45	Handheld gas analyzers for identifying and determining the concentration of hazardous gases Ewa Korbiel
10.45 - 11.00	Reactive Skin Decontamination Agents Marcin Stopa
11.00 - 11.30	Coffee break
11.30 - 11.50	Modern solutions for decontamination Piotr Mikosik PhD
11.50 - 12.05	Selected and new technologies and equipment for operations in epidemiological threat situations Ireneusz Reszel
12.05 - 12.20	How to achieve a compromise between comfort, protection and functionality? Good practices for selecting protective suits Tomasz Bednarek, Monika Czapla
12.20 - 12.40	Science with a wink – Does the decline in male sexual activity with age raise blood pressure not only in relationships, but in the arteries? A review of studies Rafał Muc PhD
12.40 - 12.50	Discussion
12.50 - 13.10	Commemoration of Col. Dr. Anna Osowska-Rembecka Planting a commemorative tree in the castle park
13.10 - 14.00	Lunch

Panel 3 The Jagiellonian Hall Moderator: dr Magdalena Zawadzka	
14.00 - 14.30	Procedure for handling biological agents during CBRNE incidents Łukasz Łaczmanski assoc. prof., Agnieszka Korzeniowska-Kowal PhD
14.30 - 14.50	Bacterial viruses in the fight against biological weapons agents – bacteriophages of anthrax bacilli and plague bacilli Aleksandra Nakonieczna PhD
14.50 - 15.10	Sanitary and epidemiological threats arising from corpses and methods of counteracting them. Anna Godlewska lt. PhD, Krzysztof Szpejna col.
15.10 - 15.30	Development prospects for emergency medical services and emergency medicine in the area of responding to CBRNE threats - Conclusions from the implementation of the Project "Strengthening security in the field of CBRNE - coordination and standardization" Arkadiusz Trzos PhD, Karol Łyziński,
15.30 - 16.00	Coffee break
16.00 - 16.20	Problems with the preparation and use of medical entities for defense purposes resulting from the current legal and organizational conditions Dariusz Nowak lt. Col. (r.) PhD
16.20 - 16.40	Vaccination strategy in the Ministry of National Defense Barbara Betiuk col. PhD
16.40 - 17.00	The Provincial Infectious Diseases Hospital in Warsaw as a centre protecting the population of Mazovia against dangerous infectious diseases. Agnieszka Kujawska-Misiąg
17.00 - 17.20	Specialized clothing that protects against CBRN agents Magdalena Olejnik PhD
17.20 - 17.40	International project entitled: Development and maintenance of rescEU CBRN stockpiles in Poland Małgorzata Żmigrodzka PhD
17.40 - 18.20	Poster session A short presentation of the posters' content - poster authors - a 5-minute presentation of the topic and an invitation to familiarize yourself with the poster.
18.20 - 18.30	Discussion
19.00 - 20.00	Dinner

9.04.2025 (wednesday) – 3rd day

Panel 4

The Jagiellonian Hall

Moderator: dr Anna Mróz - Jagiełło

9.00 - 9.20	When an algorithm decides whether you will survive – AI cyber threats in medicine Paweł Stobiecki PhD
9.20 - 9.40	Application of UVC radiation disinfection in medicine Artur Zdrojewski PhD
9.40 - 10.00	Non-military sources of radiation in the context of identifying CBRN threats Piotr Robakowski PhD
10.00 - 10.20	Territorial Defense Forces in a crisis situation concerning the field of public health and safety Ewa Marczyńska
10.20 - 10.40	New coordination ethacridine derivatives with oxidative properties as potential antibacterial drugs for use in battlefield dressings Michał Marciniak cpt.
10.40 - 11.00	Discussion
11.00 - 11.30	Summary and closing of the conference
12.00 - 12.30	Lunch

Topics presented in the poster session:

1. **Peptides with radioactive isotopes - application of radiopharmaceuticals in treatment and rapid diagnostics.** Paweł Kręcisz, Michał Tomasz Marciniak, Katarzyna Stefańska, Jakub Studziński, Paweł Szymański
2. **Phylogenetic analysis of viruses using Nextstrain: Application in epidemic monitoring**
Katarzyna Nowis
3. **Cloning of the pag gene domain I/II of the Bacillus anthracis protective antigen towards a recombinant anthrax vaccine** Dorota Żakowska, Patrycja Wójcicka, Patrycja Głowacka, Izabela Bany, Marta Ciesielska, Monika Ogórkiewicz
4. **Seroprevalence of mosquito- and tick-borne pathogens in soldiers and military personnel in Poland** Magdalena Kwiatek, Aleksandra Nakonieczna
5. **Managing the crisis situation after a CBRNE incident – effective actions and restoring operational capabilities.** Małgorzata Fijołek, Łukasz Cios
6. **Application of laser desorption in the detection of trace amounts of explosives using ion mobility spectrometry** Stanisław Kaniecki