

**Meeting of the States Parties to the Convention
on the Prohibition of the Development,
Production and Stockpiling of Bacteriological
(Biological) and Toxin Weapons and on Their
Destruction**

15 December 2023

English only

2023 Meeting
Geneva, 11–13 December 2023

Sechenov University. Life Sciences

Submitted by the Russian Federation





SECHENOV UNIVERSITY
LIFE SCIENCES

The advanced training course:
**“Vaccine prevention as a method of
countering biological threats”**



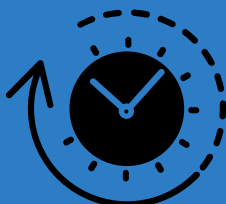
AIMS of the course:

- **Obtain new and improve existing professional competencies in vaccine prevention of infectious diseases as a method of combating biological threats;**
- **Provide guidance to healthcare practitioners responsible for planning and overseeing routine or supplementary vaccination services within the context of emergency situations;**
- **Emphasize the importance of vaccine prevention in emergency situations.**



Target Audience

E-learning courses are tailored to provide a systematic methodology and tools for immunization program for health care workers, public health specialists engaged in vaccination both routinely and during emergency situations.



20 Academic Hours

It will take to master the course program



Our Message

The problem of biological safety is actual for every country, regardless of the level of its social and economic development, and includes various aspects of the prevention of infectious diseases related to biological threats, and the means of their prevention to biological protection factors.

ACTUALITY

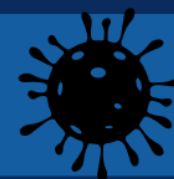
01

Infections controlled by specific prophylactic means remain important as biological risks



02

Even now, infections make up a large share in the structure of the overall morbidity of children and adults all over the world



03

There is an increased risk of reduced population immunity, leading to heightened morbidity and mortality from vaccine preventable diseases



04

Propagation of information among population and health care workers about the importance of immunization is the central objective of any national immunization program



CONTENT

MAIN THEME	LECTURE
Biological threats	Bioterrorism and Biosafety; Epidemiological situation on vaccine – preventable infections
Vaccine prevention	<p>Immunobiological preparations; Vaccine prevention in risk groups and a modern view of the mechanism of the immune response; Regulatory and methodological basis for vaccine prevention; Organization of vaccination; “Cold” chain, principles of vaccination organization and control; Monitoring of post –vaccination complications; Safety of immunization.</p>
Acute emergency situation	Organization and implementation of anti –epidemic measures in emergency situations

WEB EDUCATION

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Topic outline

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Upcomi

Recent



The main **objective** of this course - to acquire new and improve existing professional competencies in vaccine prophylaxis of infectious diseases as a method of combating biological threats. Conducted in the framework of the 1972 Convention on the Prohibition of Biological Weapons.

Actuality of the problem is that biological security issues are relevant for every country, regardless of its level of socio-economic development, and include various aspects of prevention of infectious diseases related to biological threats, and means of their prevention - to biological defense factors.

[Course annotation](#)

[News](#)

1

WEBINAR #1. Biological threats and biosecurity.
[Recording_webinar#1](#)

2

WEBINAR #2. The current epidemiological situation regarding vaccine-preventable diseases.
[Recording_webinar#2](#)

3

WEBINAR #3. Vaccine prevention against biological threats.
[Recording_webinar#3](#)

4

WEBINAR #4. Modern immunobiological drugs: effectiveness and safety.
[Recording_webinar#4](#)

5

WEBINAR #5. Vaccine prevention in risk groups. Modern view on the mechanisms of immune response.
[Recording_webinar#5](#)

6


WEBINAR #6. Regulatory and methodological foundations of vaccine prevention in the context of biological safety.
[Recording_webinar#6](#)

7

WEBINAR #7. Monitoring vaccine side effects as a means to ensure immunization safety.
[Recording_webinar#7](#)

8

WEBINAR #8. Safety principles for immunoprophylaxis in medical organizations of the Russian Federation.
[Recording_webinar#8](#)


 **SECHENOV UNIVERSITY**

Federal State Autonomous Educational Institution of Higher Education
I.M. Sechenov First Moscow State Medical University of the Ministry of Health of
the Russian Federation (Sechenov University)

Professional Education Institute

The Department of Epidemiology and modern vaccination technologies

**Vaccine prevention in risk groups.
Modern view on the mechanisms of
immune response**



ABOUT UNIVERSITY



Sechenov University is the first and the oldest medical school in Russia tracing its history from the medical faculty of Moscow Imperial University founded in 1758.



Many of the University alumni are well recognized for their outstanding contribution to global medicine and other spheres.





Sergey Petrovich Botkin
Russian clinician, therapist, and activist

S. Botkin
Russian clinician,
therapist, activist



Sergei Sergeyevich Korsakov
Russian neuropsychiatrist



S. Botkin
Russian clinician,
therapist, activist

S. Korsakov
Russian
neuropsychiatrist



S. Botkin
Russian clinician,
therapist, activist



S. Korsakov
Russian
neuropsychiatrist



Nikolay Ivanovich Pirogov
Russian surgeon and anatomist

N. Pirogov
Russian surgeon,
anatomist



Ivan Mikhaylovich Sechenov
Russian physiologist



S. Botkin
Russian clinician,
therapist, activist



S. Korsakov
Russian
neuropsychiatrist



N. Pirogov
Russian surgeon,
anatomist

I. Sechenov
Russian
physiologist



Nikolai Vasilyevich Sklifosovsky
Russian surgeon and clinician



S. Botkin
Russian clinician,
therapist, activist



S. Korsakov
Russian
neuropsychiatrist



N. Pirogov
Russian surgeon,
anatomist



I. Sechenov
Russian
physiologist



N. Sklifosovsky
Russian surgeon,
clinician



Anton Pavlovich Chekhov
World famous writer, clinician



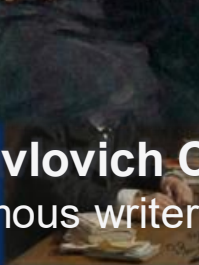
S. Botkin
Russian clinician,
therapist, activist



S. Korsakov
Russian
neuropsychiatrist



N. Pirogov
Russian surgeon,
anatomist



I. Sechenov
Russian
physiologist



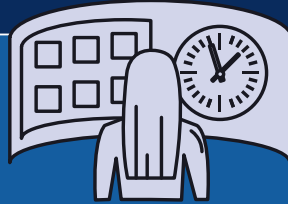
N. Sklifosovsky
Russian surgeon,
clinician

A. Chekhov
World famous writer,
clinician

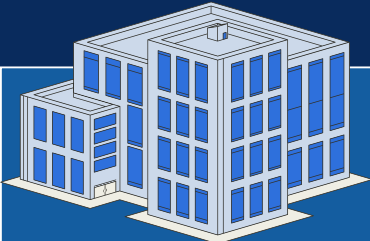
WHY SECHENOV?



Clinical Campus



Medicine of the
Future



Sechenov
Biomedical Park



Partnership



UNIVERSITY HOSPITALS

6

18

RESEARCH INSTITUTES

DEPARTMENTS

117

100+

EDUCATION PROGRAMS

LECTURES

2300

Professional Education Institute
*The Department of Epidemiology
and modern vaccination technologies*

THE MAIN AIM

is professional training of competent specialists – epidemiologists, as well as workers of medical and preventive institutions in the field of epidemiology and prevention of infectious diseases using the latest methods of education and the latest achievements of medical science and practice.



MAIN DIRECTIONS

Improving the management of the epidemic process;
Improvement of technologies, forms and methods of
postgraduate training of epidemiologists.

Professional Education Institute
*The Department of Epidemiology
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OUR TEAM

5 professors, 5 associate professors, 2 assistants



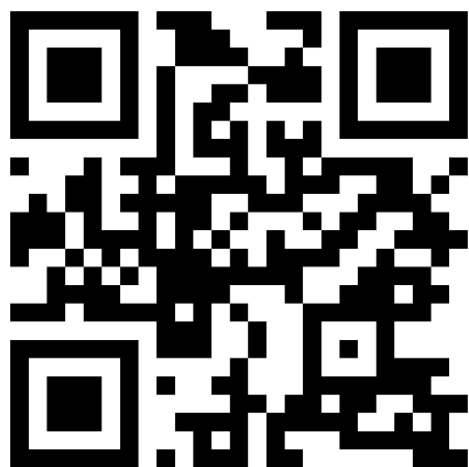
Mikhail Kostinov

Head of the Department, Professor, PhD, MD,
Corresponding Member of the Russian
Academy of Sciences, Russian allergologist –
immunologist, vaccinologist, Honored Scientist
of the Russian Federation

Authors of the program:

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- Prof. Simonova E.
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- As. Prof. Linok A.
- Assist. Kostinova A.

Thank you for your attention!



Do you have any questions?

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