



**SEMINAR**  
**"RAISING AWARENESS AND RESPONSIBILITY OF SCIENTISTS IN**  
**LIFE SCIENCES"**

**Republic of Tajikistan**  
**29 – 31, March, 2021**

**Location:**

Tajikistan, Varzob district, Hoja Obi Garn, «SAROB»

**Target group:**

Specialists of TNAS, specialists and teachers of TAU named after Shotemur, TSMU named after Abuali ibn Sino, TSPU named after S. Aini, experts from TABioZ, Office of ISTC

## SEMINAR PROGRAM

1st day – 29, March, 2021 – Monday				
TIME	Theme and Subject	Methodology	Presenter	Content
9.30-10.00	Registration of participants			
<b>Moderator - A.S. Saidov, Doctor of Biological Sciences, Professor, TNAS Member - Corresponding, Head of Bioethics Council</b>				
10.00-10.30	Presentation of the moderator and participants Welcome speech and introduction	Speeches	TNAS representatives, universities, Nasyrova F.Yu.	- Official opening
10.30 – 11.30	Review of the goal, the main objectives of the project. Seminar format and goals achievement.	Presentation	Nasyrova F.Yu.	- Detailing and familiarization with the seminar program
<b>11.30 – 11.45 Collective photo and coffee break</b>				
11.45 – 12.45	Ethics and Responsible Research: Key Concepts and Concepts	Presentation	Nasyrova F.Yu.	- Technology Concepts / Responsibilities - Responsibility for science and technology - Research and innovation - Dual use, research ethics and prevention network - Precautionary principle
12.45 – 13.00	Discussion of basic concepts and concepts		Saidov A.S.	- Q/A
<b>13.00 – 14.00 Lunch</b>				

<b>Moderator - Z.K. Muhiddinov, Doctor of Chemical Sciences, Professor, Institute of Chemistry named after V. S. Nikitin, TNAS</b>				
14.00 – 15.00	The role of scientists and codes of conduct in the dual-use sciences	Presentation	Jalilov A.	- Dual-use science - Dual-use goods - Controlled goods and technologies - The special role of scientists and scientific ethics
15.00 – 15.30	Test assignment, work in groups	The task	Jalilov A.	- Exercise and practice.
<b>15.30 – 15.45 Coffee break</b>				
15.45– 16.30	Role of the Bioethics Committee in raising awareness and accountability of scientists in the life sciences	Presentation	Rustamova M.S.	
16.30 – 17.00	Comments and discussion of the first day		Rustamova M.S.	- Q/A

<b>2-nd day – 30, March, 2021 – Tuesday</b>				
<b>Moderator Rahmatov A.S., Candidate of Economic Sciences, Associate Professor, Executive Director of PA "TABioZ", Leading Researcher IE&amp;D TNAS</b>				
09.00 – 10.30	«Ethical dilemmas»	Presentation	Nasyrova F.Yu.	Institutionalization of science and society; Problematic aspects of groupthink; Fragmentation of responsibility
<b>10.30 – 10.45 Coffee break</b>				
10.45 – 12.30	«Ethical dilemmas»	Presentation	Nasyrova F.Yu.	Ethical dilemmas in scientific practice. Exercises

12.30 – 13.00	Discussing of ethical dilemmas	Discussion	Rahmatov A.S.	- Q/A
<b>13.00 – 14.00 Lunch</b>				
<b>Moderator - Rustamova M.S., MD, Chairman of the Bioethics Committee of the Medical Department of TNAS</b>				
14.00 – 15.00	International and national legal regime in the field of life sciences	Presentation	Rahmatov A.S.	- International legal regime related to aspects of dual use - Legislative acts - Public policy
15.00 – 15.30	Test assignment, work in groups	Task	Rahmatov A.S.	- Exercise and practice.
<b>15.30 – 15.45 Coffee break</b>				
15.45 – 16.05	Educational process in dual-use sciences at TSMU	Presentation	Satorov S.	
16.05 – 16.25	Educational process in dual-use sciences at TSPU	Presentation	Mirzorahimov A.	- Biosafety courses; -Research objectives; - Chemical substances.
16.25 – 16.45	Dual-use sciences in veterinary medicine and agriculture	Presentation	Odinaev K.	- Biosecurity and their factors; - Sources of infection; - Epizootology.
16.45 – 17.00	Final conclusions and comments of the 2 –nd day	Discussion	Rustamova M.S.	Q/A
<b>19.00 – 21.00 Reception</b>				

<b>3-ed day –31, March, 2021– Wednesday</b>			
<b>Round table</b>			
<b>Moderator - Mirzoev D.M., Doctor of Veterinary Sciences, Professor, Academician of TAAS</b>			
09.00 - 10.00	Basics of the module of the educational program in dual-use sciences	Nasyrova F.Yu.	- Presentation - Module components;
10.00 – 11.00	Community engagement in raising awareness and accountability of life science scientists	Rahmatov A.S.	- presentation
<b>11.00 – 11.15 Coffee break</b>			
11.15 – 12.00	Review of legislation in the context of the development and implementation of educational modules in the educational process	All experts and participants	Discussion
12.00 – 13.00	Teaching perspective and delivery of the course "Ethics and Responsible Behavior in the Dual-Use Sciences"	Satorov S., Mirzorahimov A., Odinaev K..	Suggestions and Recommendations
<b>13.00 – 14.00 Lunch</b>			
<b>Moderator - F.Yu. Nasyrova, Doctor of Biological Sciences, Professor, Chairman of the TABioS Council, Deputy-Head of Bioethics Council of the TNAS</b>			
13.00 – 15.00	Discussion of module layout	All participants	Discussion
<b>15.00 – 15.15 Coffee break</b>			
15.15 - 16.30	Development of recommendations and strategies for action	All experts and participants	Discussion Summing up, conclusion.
16.30 – 17.00	Issuance of certificates and closing of the seminar.		
<b>Departure of participants</b>			

- Other presentations and questions within the framework of the Seminar may be considered for the suggestions made
- The program of the Seminar is a draft version, the speakers and participants of the Seminar can make adjustments.