

REPORT

4th Regional Meeting

"Awareness raising and education on Biosafety and Biosecurity in Ukraine"

(May, 27-28, 2015, Odesa, Ukraine)

The 4th Regional Meeting "Awareness raising and education on Biosafety and Biosecurity in Ukraine" (May, 27-28, 2015, Odesa, Ukraine) was successfully organized and conducted for the interested professionals and teachers, students (bachelors, masters) and postgraduate students of universities and research institutions of Odesa, Ivano-Frankivsk, Cherkasy, Chernivtsi, Kherson.

Meeting has a total participant of 150.

In this seminar the following Institutions were involved:

- Odesa I.I.Mechnikov National University, Odesa, Ukraine (24 Lecturers Department of Microbiology, Virology and Biotechnology; 3 Lecturers Department of Biochemistry; 1 Lecturers Department of Botany; 1 Lecturers Department of Genetics and Molecular Biology; 1 researcher Laboratory of Electron Microscopy; 2 researchers Center of Biotechnology; 59 students);
- Odessa National Medical University, Odesa, Ukraine (2 Lecturers Department of Pediatrics № 1, Neonatology and Bioethics; 12 students);
- Odessa National Academy of Food Technologies, Odesa, Ukraine (2 Lecturers Department of Biotechnology, Canned Foods and Drinks; 7 Lecturers Department of Ecology of the Food Products and Productions; 7 Lecturers Department of Biochemistry, Microbiology, and Physiology of the Nutrition; 12 students);
- Odessa State Agrarian University, Odesa, Ukraine (1 Lecturers Department of Parasitology, Epizootology and Veterinary-Sanitary Expertise;; 1 student);
- Bukovina State Medical University, Chernivtsi, Ukraine ((2 Lecturers Department of Pharmacology);
- Ivano-Frankivsk National Medical University, Ivano-Frankivsk, Ukraine (1 Lecturers Department of Clinical Pharmacology);
- Kherson State University, Kherson, Ukraine (1 researcher Laboratory of Biodiversity and Environmental Monitoring);
- Cherkasy Bohdan Khmelnytsky National University, Cherkasy, Ukraine (1 Lecturers Department of Biology and Biochemistry; 1 Lecturers Department of Ecology and Agro biology);
- I.I. Mechnikov Ukrainian Anti-Plague Research Institute, Odesa, Ukraine (6 researchers);
- Tairov Institute of Winegrowing and Winemaking, Odesa, Ukraine (1 researcher);
- University of Bradford, United Kingdom (1 researcher);
- Palladin Institute of Biochemistry NAS of Ukraine, Kyiv, Ukraine (3 researchers);
- Science and Technology Center in Ukraine, Kyiv, Ukraine (1 researcher).

The 4th Regional Meeting consisted of the two parts, each of the part had an individual modules:

- 27/05/2015 Interactive training for students and lecturers:
 - Module I “Biosafety and Biosecurity in Ukraine. Issues and problems”, *Dr. Iaroslava Maksymovych, Palladin Institute of Biochemistry NAS of Ukraine*;
 - Module II “Biosafety, Biosecurity and Dual Use Issues in Biotechnology”, *Tatyana Novossiolova, Bradford University, UK*
- 28/05/2015 Interactive training for lecturers:
 - Module I (part 1) “Awareness raising and education on Biosafety and Biosecurity in Ukraine”, *Prof. Serhiy Komisarenko, National Academy of Sciences of Ukraine*;
 - Module I (part 2) “Biorisk Management”, *Dr. Iaroslava Maksymovych, Palladin Institute of Biochemistry NAS of Ukraine*;
 - Module II (part 1) “Trainings resources and materials. Bradford series”, *Tatyana Novossiolova, Bradford University, UK*;
 - Module II (part 2) Round Table "Education on biosafety, biosecurity and bioethics in Ukraine", moderator *Dr. Galyna Gergalova, Palladin Institute of Biochemistry NAS of Ukraine*.

During the Round Table, participants from different universities had the opportunity to report on their own experience, as well as the problems and issues they face in their work. Almost all participants stressed the problem for want of the information resources (textbooks, manuals, Internet resources) from the Biosecurity, Biosafety and Bioethics.

The several propositions were formulated for consideration at the Project P633 Final Meeting:

- the courses of the Bioethics and Biosafety must be included in the core curriculum of the educational background for the food industry engineers and for the environmental engineers;
- Medical universities should increase the amount of time required to cover a course;
- the development of the typical program of the course of «Basis of the Bioethics and Biosafety», with a following relegation to the MES for a ratification;
- the long-term programs of the Bioethics and Biosafety should be learned, agreed upon at the workshops and approved for systematizing of the efforts and providing of the legal framework at the state level.

Main information and suggestions in the future will be used in the preparation of the following regional workshops, developing educational guidelines, detailed programs and information resources courses of the Biosecurity, Biosafety and Bioethics for higher educational establishments of Ukraine.

The participants noted of the need of the regular carrying out thematic trainings, seminars, round tables, with the participation of domestic and foreign specialists on this branch.

Separately, participants of the seminar noted the high level of organization of the workshop and high professional level the organizers of the training.