

## ORGANISATION

Maximum number of participants: 12

Who can participate: MSc students and PhD

Course fee: none.

Accommodation: Accommodation will be arranged and supported.

## REQUIRED DOCUMENTS

People wishing to apply should submit by e-mail the following documents:

- ◆ Letter for application;
- ◆ CV with description of the scientific career;
- ◆ Supporting letter from the supervisor/head of laboratory to the Coordinator of the course: [n.chobanova@ncrrp.org](mailto:n.chobanova@ncrrp.org)

**National Centre of Radiobiology and Radiation Protection**  
3 Str. "George Sofijski", buld. 7  
1606 Sofia  
BULGARIA

## REGISTRATION

The deadline for applications is:

February 28th, 2023.

Information about acceptance: **March 3rd, 2023**

For more information:

e-mail: [n.chobanova@ncrrp.org](mailto:n.chobanova@ncrrp.org)

## COURSE AIM:

The aim of this course is to provide medical personnel with knowledge of health consequences of radiation exposure.

Training will include a discussion of the characteristics of ionizing radiation and radioactive materials, the differentiation between radiation exposures and radioactive material contamination, radiation protection procedures for protecting staff from radioactive contamination, biological effects following exposure to ionizing radiation, a review of radiological emergencies focusing on their causes, medical treatment, biodosimetry and lessons learned.

In the course will be discuss the psychological effects of radiation accidents, planning medical response to radiation accidents, international cooperation and providing information for medical radiation accidents

## TOPICS:

Radiation accidents and radiation emergency. Medical preparedness and response;

Biological and health effects of exposure to radiation;

Management of local radiation injuries and radioactive contamination;

Review of ten radiation accidents focusing on their causes, medical management, biodosimetry' and lessons learned;

Radiation accident in Stamboliiski, 2011 in Bulgaria and biodosimetry drills;

Psychological effects of long term exposure and radiation injury;

Iodine prophylaxis;

# Emergency and recovery preparedness, and response

13 - 17 March

Organized by the

**NATIONAL CENTRE OF RADIOBIOLOGY AND RADIATION PROTECTION**

BULGARIA



## ABOUT COURSE

The course is open to medical students and PhD medical students, studying and wants to specialize in the departments of emergencies and disaster situations.

The training course will be in support to build knowledge and skills in the specific research areas of emergency and recovery management. The training course will develop and update the competence of the participants in medical preparedness and response to a nuclear or radiological emergency.

By the end of the course the participants will be able to:

- ◆ Recognize and respond to radiation overexposure including establishing and maintaining contact with appropriate response authorities;
- ◆ Detecting ionizing radiation and use of monitoring devices;
- ◆ Differentiation of deterministic and stochastic effects of radiation;
- ◆ Provision of prehospital care for overexposed, injured or contaminated persons;
- ◆ Diagnosis and treatment of local radiation injuries;
- ◆ Management of emergency medical care on site and at prehospital level;
- ◆ Knowledge on the implementation of Biodosimetry;
- ◆ Planning and managing of medical response in a radiation emergency.

The Course may be a useful starting point for delineating expected competency levels of health professionals in disaster medicine and public health.

## GENERAL INFORMATION

### MEETING VENUE:

**Conference hall in NATIONAL CENTRE OF RADIOBIOLOGY AND RADIATION PROTECTION**

"St. George Sofijski" str, № 3, bild 7

Website: [www.ncrrp.org](http://www.ncrrp.org)

### TRANSPORTATION:

**By airplane:** Sofia airport is located 10 km from the centre of the city. Flight information can be obtained by phone: +3592 937 2399 terminal 1 and +3592 937 3559 terminal 2 or through the [www.sofia-airport.bg](http://www.sofia-airport.bg) website.

Transportation from the airport to the city centre:

**Public transportation** – Metro from Terminal 2 of Sofia Airport. Price: 1.60 lv.

**Taxi transportation** - Use only **O.K. Super Trans taxi** – „OK. Супер транс“, because they are the only authorized taxi from Sofia airport. The company has a desk in Sofia Airport.

Taxi number: +3592 973 21 21. The price is about 15 -30 leva (7-15 EUR) from airport.

Website: [www.oktaxi.net/cgi-bin/oktaxi.pl?code=ofisnaaerogara](http://www.oktaxi.net/cgi-bin/oktaxi.pl?code=ofisnaaerogara)

**Public transportation in Sofia:** Sofia have a Metro network, bus, trolleybus and tram routes. Price: 1.60 lv. per ticket. Single tickets can be bought:

- from the driver in public ground transport vehicles;
- at kiosks marked with a ticket sales sticker;

## HOTEL



You get the Metro from Terminal 2 of Sofia Airport  
Go down to the metro station Konstantin Velichkov  
Transfer to the tram № 11, 19 or 22 - stop "Metro Konstantin Velichkov" towards "Pavlovo" / "Kniazevo" or "Krasna poljana" direction

Getting off the tram at the stop "Bull. Vazrajdane" - the third stop on your boarding the tram



Subway station "Konstantin Velichkov"



Tram "Metrostantsia Konstantin Velichkov"



Tram "Bul. Vaskresenie"