



Training Course

PCR-based Techniques in Radiobiology and Low-Dose Risk Research, the Integration of New Member States in EURATOM programs

Date: June 13-17, 2016

Venue: National Research Directorate for Radiobiology and Radiohygiene, Budapest, Hungary

This OPERRA-cofunded training course will focus on two topics:

- A half-day presentation to improve the scientific know-how and institutional background of New Member States to improve their integration in European radiation research and Euratom-launched activities. The lectures will cover topics such as:
 - Improve the potential to seek new funding opportunities for financial support within the Horizon 2020 in general and Euratom in particular
 - Strategies for collaborative research proposal planning and joining, ways and techniques for finding suitable collaborative partners
 - The possibility of establishing a centre of excellence in radiation research in Central-Eastern Europe
- A 4.5-days practical training course focusing on various PCR techniques widely used in radiation research. It will be mainly a practical course with hand-on training exercises and will also present the most innovative PCR techniques accessible at present only for highly specialized labs. It will cover topics such as:
 - Basic concepts of nucleic acid isolation (DNA, RNA), primer design, set up of amplification reactions and data analysis of both semi quantitative and quantitative PCR reactions
 - Detection of radiation-induced alterations at genomic and mitochondrial DNA level
 - Detection of radiation-induced alterations at transcriptomic level
 - Radiation-induced changes at epigenetic level

Maximum number of participants for the course is 12 people. Applications will be accepted on a first come first served basis. **Application deadline: May 20, 2016.**

The training course is **registration-free**.

Lunch and snack will be provided for those participating at the workshop only.

Accommodation and lunch will be provided for those participating at the whole training course.

Those interested should register at the following e-mail address: trainingcourse@osski.hu

We are looking forward to meeting you in Budapest!