



The course is open to:

- MSc students and PhD students (registered at an university within the EU)
- Researchers (working in the EU)
- **Maximum 12 participants** for the lab course

There is no course fee.

Accommodation for one week lab course (20 - 24 April) will be arranged and financially supported in a hotel nearby.

No other financial support will be provided.

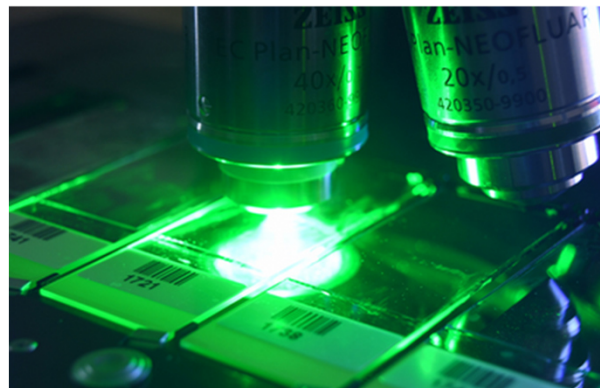
This course has received funding from PIANOFORTE partnership, which has received funding from the European Union's "EURATOM" research and innovation programme under the 101061037 grant agreement.

For application submit:

- Letter of application
- CV with a description of scientific career
- Letter of support from your supervisor / head of laboratory (only for students)

Please send your application by email (deadline **15 February, 2026**) to Dr. Maria Gomolka at mgomolka@bfs.de

Information confirming the acceptance will be sent by **28 February 2026**.



Images: BFS

InterRad- Interdisciplinary Training Course on Radiation Research 2026

13-24 April, 2026

Federal Office for Radiation Protection
(Bundesamt für Strahlenschutz)
Ingolstädter Landstrasse 1
85764 Oberschleissheim
Germany



Federal Office for
Radiation Protection



**Co-funded by
the European Union**

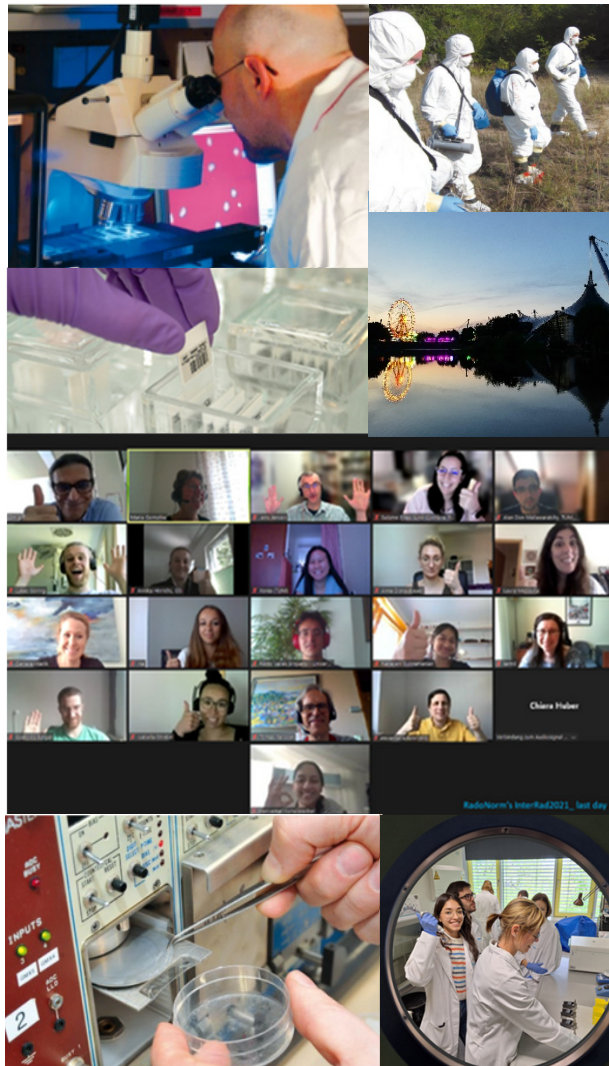
PURPOSE

The course will introduce interdisciplinary approaches contributing to radiation research and radiation protection.

First week (13 - 17 April) will include online courses (max. 25 participants) in topics of:

- Radiation physics
- Radiation biology
- Radiation epidemiology
- Radiation risk assessment
- Internal dosimetry/ Biodosimetry
- Cardiovascular effects
- Neurological effects
- Molecular epidemiology
- Exposome research

Special emphasis on emergency protection in radiological disaster management.



CONTACT

Dr. Maria Gomolka
Federal Office for Radiation Protection (BfS)
mgomolka@bfs.de

Second week (20-24 April) will include practical training (max. 12 participants) in areas of

Biological assays to detect and quantify

- cellular radiation damage
- repair
- misrepair

using :

- multi-foci repair and gene expression assays (e.g. gammaH2AX, 53BP1, ...)
- cytogenetic assays (e.g. dicentrics, micronuclei, mFISH)
- and its application in biodosimetry

Demonstration and exercises

Physical detection to trace radioactivity

- in the environment
- in the human body
- in food

Emergency disaster management:

- Monitoring and prediction of radiological contamination
- Preparation of a radiological situation report