



2021-IPR-J-000-017290

**Trainee on calibration and use of
instrumentation for radiation protection
measurements**

Position for:

Trainee

As the science and knowledge service of the Commission, the mission of Joint Research Centre is to support EU policies with independent evidence throughout the whole policy cycle.

The JRC is located in 5 Member States (Belgium, Germany, Italy, the Netherlands and Spain). Further information is available at: <http://www.jrc.ec.europa.eu>

Short description of activity:

Calibration and proper use of instrumentation dedicated to radiation protection measurements is a factor of paramount importance since the metrological traceability of the data obtained is the foundation of any reliable radiation protection system protecting the health of individuals subject to occupational and public exposure. The candidate will help the operational radiation protection laboratory in validating and/or improving test methods like gamma scintillation in solid detectors. More specifically: He/She will draft, in cooperation with the laboratory responsible, the test method to be used for characterising material from the nuclear installations;

He/She will design, in cooperation with the laboratory responsible, a program aimed at improving or validating the test methods;

He/She will perform, in cooperation with the technicians of the laboratory, the relevant measurements optimising the operative conditions and parameters.

Qualifications:

Master's degree in physics, chemistry, nuclear engineer or equivalent obtained in the last two years.

	<p><u>Essential:</u> Knowledge in radiation protection measurements techniques and safety procedures.</p> <p>Candidates from Member States must be independent users of at least two Community languages, one of which should be one of the European Commission procedural languages (English, French or German). The required level of the second language is B2 according to the CEFR5 (Common European Framework of Reference for Languages: Learning, Teaching Assessment).</p> <p>Candidates from non-Member States must be independent users of at least one of the European Commission procedural languages (English, French or German). The required level of the language is B2 according to the CEFR (Common European Framework of Reference for Languages: Learning, Teaching, Assessment).</p> <p><u>Advantage:</u> Radiation protection measurement techniques and/or laboratory experience</p> <p><u>For general eligibility requirements, please read the rules governing the traineeship scheme of the JRC:</u></p> <p>https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/jrc-trainees</p>
Unit /Directorate	Directorate J Sector J.002
Duration	5 months
Preferred starting date	As soon as possible
JRC Site	Ispra
Country	Italy
JRC contact details	<p>For any technical problems with your application, please contact: HR-AMC8-RECRUITMENT-TOOLS-SUPPORT@ec.europa.eu</p>