



EUROPEAN COMMISSION

JOINT RESEARCH CENTRE

2021-IPR-GII7-FGIII-017608

**FG III - PROJECT ASSISTANT – SCIENTIFIC
RESEARCH FOR NUCLEAR SAFEGUARDS AND
SECURITY**

POSITION FOR:

Member of the contract staff FGIII – art. 3b of the Conditions of Employment of Other Servants
<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CONSLEG:1962R0031:20110101:EN:PDF>

WE ARE:

As the science and knowledge service of the Commission, the mission of DG 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: <https://ec.europa.eu/jrc/>

The current vacancy is in the Directorate for Nuclear Safety and Security, Department of Nuclear Security and Safeguards, Nuclear Security unit, located in Ispra, Italy.

The unit provides support mainly to Euratom Inspectorate for the implementation of nuclear safeguards in the European member states. It also operates nuclear laboratories where novel detection and characterisation systems are developed and tested. Complementarily, the unit carries out desktop research activities to support the combat against nuclear proliferation and the control of dual use export and of the trade of strategic goods.

WE PROPOSE:

The jobholder will ensure the good functioning and maintenance of the European nuclear SECURITY TRAINING facility (EUSECTRA-Ispra) and support the delivery of trainings and capacity building exercises in nuclear security and safeguards. S/he will also participate in the daily operation and maintenance of laboratory instrumentation, keeping abreast of the latest technological advances with respect to detection systems and data acquisition systems.

The jobholder will contribute to the design and execution of scientific research, to the development and deployment laboratory experiments and innovative equipment development of techniques based on the application of neutrons, gamma rays, muons and anti-neutrinos. In particular, s/he will assist in exploring the use and the application of digital technologies to increase the efficiency and effectiveness of nuclear detection and characterisation devices. Modelling capacities would be an advantage.

The selected candidate will contribute to research activities of the new Ispra Nuclear Safeguards, Security and Standardisation Laboratory (INS3L, including the Ispra based European SECURITY TRAINING facility EUSECTRA) and will support new research lines in nuclear detection and characterisation in collaboration with the other Directorate G sites. The research results shall lead to proof of concepts and to applications in the field of nuclear security and safeguards, with technical readiness levels allowing to bring them to a full deployment level.

WE LOOK FOR:

The ideal candidate must hold a BSc in nuclear science and technology (or equivalent). S/he should be able to demonstrate at least 3 years of hands-on experience with gamma or neutron detection techniques in nuclear laboratories, possibly in the field of nuclear security and safeguards technical developments. An experience of at least 3 years of nuclear laboratory maintenance and operation is essential.

At least 3 years hands-on experience with the development and maintenance of radiation detection and data acquisition systems, as well as 3 years' experience in assisting or delivering training for nuclear inspectors or security officers will be considered as advantages.

A strong problem solving attitude, proven communication skills, the ability to work in a team, the

capacity to take initiatives and to work autonomously are also needed.

A fair command of English (B2), both oral and written is required, additional language skills (in particular Italian and French) will be considered as an advantage

INDICATIVE CONTRACT'S DURATION:

36 months initial contract with possible renewals up to maximum 6 years.

PLACE OF WORK:

Ispra (IT)

RULES AND ELIGIBILITY:

To be eligible for the position, the candidate must be on a valid EPSO reserve list for Function Group III contract staff.

You can be added to an EPSO reserve list if you complete successfully an EPSO selection procedure.

Candidates who are on a valid EPSO reserve list or have applied to an EPSO selection procedure can apply to this specific position through <http://recruitment.jrc.ec.europa.eu/?type=AX>.

How to apply to an EPSO selection procedure?

Apply to the permanent EPSO call (CAST Permanent) https://epso.europa.eu/documents/2240_en. This reserve list is used by a wide range of organisations (institutions, bodies, offices and agencies of the European Union).

RECRUITMENT POLICY:

The JRC

- Cultivates a workplace based on respect for other people and the environment.
- Embraces non-discriminatory practices and equality of opportunity. In case of equal merit, preference will be given to the gender in minority.