



EUROPEAN COMMISSION

JOINT RESEARCH CENTRE

2021-IPR-GII7-FGIV-018108

**FG IV - PROJECT OFFICER – SCIENTIFIC
RESEARCH IN NUCLEAR SAFEGUARDS AND
SECURITY**

POSITION FOR:

Member of the contract staff FGIV – 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 Directorate for Nuclear Safety and Security / Nuclear Security Unit: Its mission is to carry out research and technical development, to provide training and support for nuclear safeguards, non-proliferation and nuclear security. Its main partners are EURATOM and IAEA inspectorates, Member States and Commission Services. – Further information: <https://ec.europa.eu/jrc/en/science-area/nuclear-safety-and-security>

WE PROPOSE:

The jobholder will contribute to the development of new detection equipment and imaging systems, making use of advanced digital technologies and simulation results. He/she 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 for digital technologies to increase the efficiency and effectiveness of nuclear detection and characterisation devices.

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 an MSc in nuclear science and technology (or equivalent).

S/he should be able to demonstrate at least 2 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 2 years of nuclear laboratory operation is essential.

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.

The following elements will be considered as advantages: at least 2 years hands-on experience with

the development and maintenance of radiation detection and data acquisition systems, modelling capacities, additional language skills (in particular Italian and French) as well as 2 years' experience in assisting or delivering training for nuclear inspectors or security officers.

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 IV 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 either to the permanent EPSO call (CAST Permanent) https://epso.europa.eu/documents/2240_en or a specialised call for researchers <https://ec.europa.eu/jrc/en/working-with-us/jobs/vacancies/function-group-IV-researchers>

The CAST Permanent reserve list is used by a wide range of organisations (institutions, bodies, offices and agencies of the European Union), whereas the specialised reserve list for researchers (JRC Call COM/1/2015/GFIV – Research) is mainly used by the JRC.

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.