



VACANCY NOTICE – 2024-GEE-GII5-FGIII-025387

FGIII - Laboratory Technician - Scientific and technical support officer – Technician for nuclear target and reference material preparation

Type of contract	Member of the European Commission's contract staff, Function Group III (article 3b of the Conditions of Employment of Other Servants)
Duration of contract	36 months (renewable up to maximum 6 years)
Area	Scientific and technical support in nuclear safety, security and safeguards
Place of employment	Geel (BE)
Indicative basic salary	3080,41 - 3943,38 € (applicable as of 1 st of January 2024) For more detailed information please consult: Working Conditions

WE ARE

The [Joint Research Centre \(JRC\)](#) provides independent, evidence-based knowledge and science, supporting EU policies to positively impact society.

The current vacancy is with Unit G.II.5 of Directorate G of the JRC: The mission of the JRC's Directorate G - Nuclear Safety and Security is the implementation of the JRC Euratom Research and Training Programme, the JRC Nuclear Strategy and the maintenance and dissemination of nuclear competences in Europe to serve both "nuclear" and "non-nuclear" EU Member States. Unit G.II.5 provides high-quality reference nuclear data, measurement standards, science-based policy advice and training in support of EU policies for nuclear safety, security and safeguards and nuclear science applications. The unit cooperates closely with its stakeholders to maximise the benefits of deliverables, competences and research infrastructure: two accelerator-based neutron facilities, an underground laboratory, radionuclide metrology and nuclear reference materials laboratories. The unit offers open data and open access to its research infrastructure.

The job holder will design and carry out laboratory experiments for the preparation of nuclear targets (mainly thin layer samples on thin foils) and reference materials for inter-laboratory comparisons in the JRC.G.II.5 nuclear laboratories. The job holder will ensure maintenance and operation of scientific equipment and housekeeping in the nuclear controlled area.

We offer an attractive, dynamic, international work environment at the forefront of nuclear science and development in a world-renowned laboratory in its field. You will have frequent interactions with European and international stakeholders. The job environment offers a unique opportunity to support EU policies in a respectful and family-friendly working environment.

Please see also [Working at the Commission – conditions and environment \(europa.eu\)](#)



WE PROPOSE

The successful candidate (job holder) will support the scientific work program of the JRC in nuclear safety, security and safeguards. The job holder will design and carry out laboratory experiments for the preparation of nuclear targets for nuclear data measurements and for the preparation of reference materials for inter-laboratory comparisons under the unit's accreditation according to ISO 17025 and ISO 17043. The job holder will work in the JRC G.II.5 nuclear laboratories preparing, and characterizing thin homogeneous layers of enriched nuclear material and other samples for the measurements of constants critical for nuclear safety of current and advanced nuclear systems and for nuclear waste management. The job holder will provide the corresponding scientific and technical support to projects involving radiochemistry, thin film deposits and sample preparation and characterisation. All handling is done in fume cupboards and glove boxes in a nuclear controlled area according to the rules described in the JRC-Geel Radiation Protection Manual. The job holder will ensure proper housekeeping and the maintenance and operation of glove boxes, fume cupboards and scientific equipment in a nuclear controlled area in compliance with safety regulations. The job holder will perform the work in close consultation with the team and the unit, serving the interests of the JRC and the JRC's stakeholders. The job holder will support the project planning and hands-on implementation in the laboratory for the production and characterisation of nuclear targets and reference materials, including checking and evaluation of laboratory results. The job holder will assist in writing of technical reports and scientific publications, attend respective technical meetings. The jobholder will support the unit's integrated quality system.

WE LOOK FOR

We are looking for a well-motivated, dynamic, result-oriented technician, matching the following requirements:

- Educational background in chemistry (preferably in the field of inorganic or analytical chemistry), physics or material science with at least one year of experience working in a chemistry laboratory or similar.
- Experience working under a quality system is desirable.
- The successful candidate will have the potential to provide effective support to the JRC after one year of training and to support the full needs given in the job description within two years.
- Experience with and knowledge of laboratory practices in a (nuclear chemistry) laboratory is an advantage.
- Particularly, working in fume cupboards, glove boxes, dissolution of powders, purification of solutions and thin film preparation by various deposition methods is an asset.
- Further knowledge of characterisation techniques like accurate weighing, alpha-, gamma-spectrometry, electron microscopy, atomic force microscopy etc. is favourable.

The job holder will go through targeted training, either following courses or on the job, to develop the skills that are missing.

The ability to learn quickly and develop is an important asset.

The working language is English, requiring mastering the language at level B2.

The job holder will need to apply for security clearance.



HOW TO APPLY

If you are **already on a valid CAST FG III reserve list**, or you **have already applied to the call below**, you can directly submit your application at <http://recruitment.jrc.ec.europa.eu/?type=AX>.

If not, before applying to this position, **you must register** for:

- the [Call for Expressions of Interest | EU Careers \(europa.eu\)](#) (CAST Permanent FG III), which is used by a wide range of organisations (institutions, bodies, offices and agencies of the European Union)

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