VACANCY NOTICE – 2024-GEE-GII5-FGIV-025364

Project Officer Science and Research

Type of contract	Member of the European Commission's contract staff, Function Group IV (article 3b of the Conditions of Employment of Other Servants)
Duration of contract	36 months (renewable up to maximum 6 years)
Area	Science and Research Neutron-induced reactions.
Place of employment	Geel (BE)
Indicative basic salary	3943,39 - 5711,77 € (applicable as of 1st 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. A strong cooperation and complementarity with their national organisations is of key relevance. JRC Directorate G supports the relevant policy DGs with independent, technical and scientific evidence in the areas of nuclear safety, security, safeguards and nuclear science applications. Directorate G also ensures the role of the JRC as an active key partner in nuclear international networks and collaborates with international organisations and prominent Academia and Research Institutes.

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. 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 support the JRC experimental programme for neutron-induced reaction studies in the interest of nuclear science applications, in particular nuclear energy. The job holder will work at the electron linear accelerator based neutron time-of-flight laboratory.

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 and will find the job an asset for a

further professional career. The job environment offers a unique opportunity to support EU policies in a family-friendly working environment. Please see also Working at the Commission – conditions and environment (europa.eu)

WE PROPOSE

The jobholder will support the JRC work program in nuclear safety through developing and carrying out experiments characterizing neutron-induced reactions at the GELINA neutron time-of-flight facility. The jobholder will work closely with the team of scientists at JRC and with the stakeholders of the JRC nuclear data program and in particular the users of the GELINA facility. The job holder will be a key contact person for member states research and development organisations developing and using nuclear data in their applications, open access partners and European and international collaborations of the OECD Nuclear Energy Agency and the IAEA. This is important for understanding data needs, prioritizing the experimental program and translating priorities to an effective and impact full nuclear data program. In particular we look for impact in modelling of applications in nuclear energy (life time extension, new built, spent nuclear fuel estimation and advanced and small modular reactors), nuclear technology and nuclear medicine.

WE LOOK FOR

We are looking for a well-motivated, dynamic, result-oriented PhD in Nuclear Physics or Nuclear Engineering with prior experience in experimental nuclear reaction studies or related experiments at a particle accelerator. Experience with neutron-induced studies, nuclear data or neutron and gamma transport simulations is an advantage. The jobholder should have good experimental skills, have a good ability to interact with users and colleagues and a good ability to deliver on time and be accountable. Experience with modelling of radiation detection, nuclear reactions (resonance shape analysis) and experimental setups for measurements of neutron-induced reactions with the GELINA accelerator is an advantage. Skills in training and transferring of knowledge and know-how are an advantage.

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.

HOW TO APPLY

If you are **already on a valid CAST FG IV reserve list**, or you **have already applied to one of the calls 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 one of the two following:

- the Call for Expressions of Interest | EU Careers (europa.eu) (CAST Permanent FG IV), which is used by a wide range of organisations (institutions, bodies, offices and agencies of the European Union), or
- the specialised call for researchers (JRC Call COM/1/2015/GFIV – Research), which is mainly used by the JRC.

Note that each of the calls above has **different minimum eligibility requirements and different selection tests**.

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.