



2021-IPR-F1-FGIV-016588

**FG IV - SCIENTIFIC PROJECT OFFICER -
DEVELOPMENT OF THE EU PLATFORM ON
RARE DISEASE REGISTRATION**

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/>

Within its Directorate for Health, Consumers and Reference Materials, the Health in Society Unit supports EU policies in public health for promoting excellence and equality of health-care in all Member States.

The Unit is composed of a young and dynamic team of biologists, epidemiologists, medical doctors, statisticians, methodologists, nutrition experts working on: health information on cancer and rare diseases, healthcare quality, prevention of non-communicable diseases.

WE PROPOSE:

The Unit is looking for an expert in information technology /computer science / data science for supporting the development of the European Platform on Rare Disease Registration (EU RD Platform). The successful candidate will support the Group Leader and the rare diseases team:

- Bringing the expertise needed for providing scientific and technical support to the European RD Registry Infrastructure, optimising functionalities of the Central Metadata Repository (MDR), Directory of Registries, Search Broker, Data Warehouse and for linking the Platform with other RD relevant databases;
- Contributing to defining pipelines for data pre-processing, data analysis and modelling inside MDR and in connection with other databases;
- Making data machine readable, develop ontology data models, support provision of semantic interoperability.

The CA will also be in contact with RD registries to give support for using the EU RD Platform and with various stakeholders for linking the EU RD Platform with other databases, tools and services relevant for the RD field.

The candidate will be in direct contact with the RD registries to provide them the necessary support for joining and using the EU RD Platform, making RD registries' data searchable and findable at EU level.as well as with different stakeholders for linking the EU RD Platform with other data bases, tools and services relevant for the rare diseases field.

This will include:

- To contribute to the development and maintenance of the European Platform on Rare Disease Registration (EU RD Platform). The Platform contributes to the European Health Data Space and links the different EU activities and initiatives in the field of RD registration, data exchange and data use. It aims to make RD registries/data sources interoperable across the EU for producing and sharing knowledge on RD with benefits to the scientific community, health professionals, patients and policy makers.
- To work on the European RD Registry Infrastructure (ERDRI), its tools and services for optimising the functionalities of the Central Metadata Repository, Directory of Registries,

search broker/negotiator, Data Warehouse, etc. and for linking the EU RD Platform with other data bases, tools and services relevant for the rare diseases field, while enrolling RD registries into the EU RD Platform.

- To contribute to definition of pipelines for data pre-processing, data analysis -assessing quality, cleaning, structuring for downstream processing- and data modelling in the frame of the Central Metadata Repository and in connection with other databases; making data machine readable, implementation of artificial intelligence/machine learning algorithms; development of ontology data models, vocabularies, provision of semantic interoperability.
- To link the above activities with the IT group of the Unit and external partners
- To contribute to finding consensus mechanisms for harmonising procedures/protocols for improving quality and use of RD registry data/metadata
- To contribute to maintaining good collaborations with individual RD registries, European Reference Networks (ERNs), representatives of international organisations, other stakeholders in the field of RD, helping them to use and implement the EU RD Platform tools and services.

WE LOOK FOR:

The successful candidate should have obtained an academic degree and/or experience in one or more of the following areas: Information Technology, Computer Science, bioinformatics, information technology, mathematics.

The candidate will be required to have a Job-Related experience of at least 3 years and skills/experience in data pre-processing, data analysis and modelling, development of databases and good programming skills. Experience in the fields of semantics, ontologies, in AI/ML will be highly appreciated. Experience with clinical data (e.g. electronic health records), biological data (e.g. molecular biology) would be an asset.

Strong analytical and conceptual skills combined with a quick apprehension are required, as well as communication and liaison, multitasking, working to (sometimes) tight deadlines. Ability to work in a multidisciplinary context is required as well as a good knowledge of English (minimum requirement level B2, spoken and written).

She/he shall be able to work independently and, be used to multitasking and working against time-lines and should be able to point to experiences in managing contracts. Motivation, enthusiasm and a desire for teamwork are equally essential.

INDICATIVE CONTRACT'S DURATION:

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

PLACE OF WORK:

Ispira (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.