



## VACANCY NOTICE – 2023-IPR-F2-FGIV-022756

### Scientific Project Officer - Analysis of innovative technologies for pandemic preparedness

<b>Type of contract</b>	Member of the European Commission's contract staff, Function Group IV (article 3b of the <a href="#">Conditions of Employment of Other Servants</a> )
<b>Duration of contract</b>	36 months (renewable up to maximum 6 years)
<b>Area</b>	One-Health, Health crises preparedness
<b>Place of employment</b>	Ispra (IT)
<b>Indicative basic salary</b>	3877,47 - 5616,29 € (applicable as of 1 <sup>st</sup> of July 2022) For more detailed information please consult: <a href="#">Working Conditions</a>

#### **WE ARE**

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

The JRC is located in 5 Member States (Belgium, Germany, Italy, the Netherlands and Spain).

The current vacancy is with the Technologies for Health Unit of the Directorate for Health and Food.

The mission of the Directorate for Health and Food is to protect health and promote wellbeing by ensuring that EU policies and regulations make the best use of scientific knowledge, evidence and standards. The Directorate work programme is built around three multifaceted thematic pillars, namely Non-Communicable Diseases, One Health, and Sustainable Food Systems.

The mission of the Technologies for Health Unit is to support EU health and food policies with safe, sustainable and innovative solutions and technologies, by evaluating available evidence, performing state-of-the-art measurements and generating knowledge for use throughout the policy cycle.

Further information: [Nanotechnology \(europa.eu\)](#)

The jobholder will contribute to scientific activities to develop technological foresight and innovative technological solutions for the detection and prevention of health threats in a One-Health approach.

We offer:

- A dynamic, multidisciplinary and multicultural environment, with online collaboration and occasional travel for conferences, workshops and/or cooperative work;
- A unique opportunity to contribute to analyse and shape EU policy towards strengthening the European Health Union, working at the interface between science and policy;



- Family-friendly working conditions, located in a beautiful area of Italy with good international access.

## **WE PROPOSE**

---

The jobholder will reinforce the JRC portfolio Better preparedness and response to health crises (BREATH) and support the activities on preparedness and innovation to tackle health challenges (PITCH project), which aim at providing scientific and technical support to advance the European Health Union and better prepare for cross-border health threats. In particular, the new colleague will focus in the analyses and development of innovative technological solutions for the detection and prevention of new health threats.

Main tasks will include:

- Gather information of the bio-detection technology landscape for monitoring airborne pathogens (viruses and resistant bacteria),
- Organise and implement Technology Foresight studies,
- Design, Develop and test advanced pathogen detection technologies for early warning systems
- Develop and test protocols to assess these new technologies and to analyse human/animal host-pathogen interactions taking into account the research and regulatory landscape
- Support EU stakeholders (DG-HERA, DG- AGRI, DG-SANTE) in the definition of prevention strategies against major (One)-health threats, including participation/coordination to interlaboratory testing programmes
- Contribute to cross-disciplinary approaches to enhance the prevention, detection and control of zoonoses and mitigate the spread of zoonotic infectious diseases

## **WE LOOK FOR**

---

We are looking for a specialist in biomedical technologies.

The ideal candidate should have the following qualifications:

### Essential:

- Post-graduate title (Specialisation and/ or PhD) in Life Sciences (Medicine, Biomedicine, Biology, Biotechnology, Bioengineering, Biophysics or equivalent);
- Knowledge in pathogens surveillance and early warning technologies;
- Knowledge in emerging technologies for health;
- Knowledge in advanced analytical methods to address host-pathogen interactions;
- Expertise in developing methodologies for pathogens detection and characterization
- The working language will be English and a good knowledge of oral and written English (B2 level), as well as good communication and presentation skills are necessary.

### Advantages:

- Knowledge of foresight methods;
- Experience on reviewing and synthesizing large amount of literature;
- Experience working in multidisciplinary laboratories (physics, chemistry, biology) and handling their instrumentation;
- Knowledge of zoonotic diseases and the One-Health approach
- Experience in biomolecular interaction methods such as protein microarrays, surface plasmon resonance and equivalent.
- Experience in regulatory science / support to EU Health policies.



## 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 \(europa.eu\)](http://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.*