



EUROPEAN COMMISSION

JOINT RESEARCH CENTRE

2021-IPR-A5002-FGIV-016411

**FG IV - SCIENTIFIC PROJECT OFFICER –
INFECTIOUS DISEASE MODELLING**

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 the Directorate for Strategy, Work Programme and Resources. With the JRC Strategy 2030, the JRC reinforces its commitment to scientific excellence. The creation of the Scientific Development Unit (SDU) is one of the instruments to underpin this strategy.

As part of the strategic scientific development, the Directorate has established and manages the JRCs Centre for Advanced Studies (CAS). CAS provides an interdisciplinary and stimulating space where JRC scientists are encouraged to think beyond the conventional, look forward towards cutting-edge technology hand-in-hand with scientific excellence.

The candidate will be assigned to the Scientific Development Unit but will work closely with staff of Knowledge for Health & Consumer Safety Unit

Further information: <https://ec.europa.eu/jrc/en/research/centre-advanced-studies>

WE PROPOSE:

The JRC is now looking for an infectious disease modeller to work within the CAS project ‘Epidemics: Dynamics and Control’, on the dynamics and control of infectious diseases.

The project will focus on the dynamics and control of vector-borne and respiratory infectious diseases. The aim of the project is to develop a framework based on mathematical and statistical methods and on data derived from routine and on modern space surveillance systems. The project will study aspects of spatio-temporal dynamics, early warning, seasonality, the One-Health approach, transmission modes, waning immunity, the immunoepidemiology of the disease and the assessment of pharmaceutical interventions that may inform the public health decision process.

The successful candidate will work in a multidisciplinary, highly collaborative setting of JRC staff and external specialists. He/she will contribute to two or more of the above-mentioned topics.

WE LOOK FOR:

The candidate must have the following qualifications as essential:

- Completed university studies of at least three years attested by a diploma and at least five years of professional experience in a field relevant to the position, alternatively a doctoral degree (PhD) in Applied Mathematics, Physics, Computer Science, Mathematical Epidemiology or other relevant disciplines.
- Strong quantitative background with robust mathematical skills with emphasis on dynamical systems and their application in infectious disease epidemiology.
- Demonstrated ability to conduct research utilising large data sets in dynamical modelling.
- Proficiency in Python, R or Matlab.

The following would be considered as an asset:

- Strong theoretical background in dynamical systems and complex systems.
- A good research record.
- Knowledge and use of methods on operations research.
- Work in international research teams and multi-disciplinary fields

The working language will be English and a good knowledge of oral and written English (B2 level), communication and presentation skills are necessary.

Interested candidates should provide a CV and cover letter. In the list of publications accompanying the CV, please highlight the five most relevant publications. Two contact points for references must be provided, and they may be contacted if the candidate is shortlisted.

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.