



Scientific staff member/Research associate in health and economic modelling (all genders)



Start date
earliest possible



Remuneration
Up to E 14 TVöD



Location
Berlin



Contract type
limited until 31.12.2028



Deadline
09.02.2025



Reference number
16/25 | 1250529

Be a part of the RKI DNA!

As a public health institute, we are actively committed to public health. At the Robert Koch Institute, 1,500 people from over 52 nations work and research together on this every day.

Our 'Vaccination Modelling' team (FG 33.4) is looking forward to your application!

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The Vaccination Modelling team in the Immunization Unit conducts epidemiological modelling, healthcare services research, health economic evaluations, primary data collections and analyses. The results inform among others the evidence-based decision making of the Standing Committee on Vaccination ('STIKO').

Your job:

For the project 'HELoCO' funded by the Federal Ministry of Health to investigate the effectiveness and efficiency of vaccinations against (i) Long COVID/post-COVID condition (PCC) and (ii) Myalgic Encephalomyelitis/Chronic Fatigue Syndrome (ME/CFS) for individuals and society in Germany through an integrated micro- and macroeconomic modelling framework, we are looking for support with the following tasks:

- Develop and calibrate (validate) the mechanistic economic models for COVID-19 and Long COVID/PCC as well as for investigating the effects of interventions (vaccines, non-pharmaceutical interventions) in Germany
- Applying and calibrating (validating) the economic modelling to (pandemic) influenza and ME/CFS, and integrating the economic modelling with other project results like the epidemiological modelling
- Conduct searches to generate the input data of the models
- Working closely together with colleagues to support the development and quality assurance of other analyses within the project
- Present and discuss the project results at national and international conferences, and publishing them in scientific journals

Your professional profile:

Formal requirements

- completed degree (Master or equivalent) in health economics, economics, econometrics or a comparable quantitative subject
- Doctorate (PhD or equivalent) is of advantage

In the case of foreign educational qualifications, we require a certificate of equivalence with a German qualification.

Skills and experience

- in developing model-based analyses
- in fitting/calibrating models to the status quo and interventions, e.g. of diseases and vaccination
- in statistical-econometrical programming (e.g. R/C++/Python/MatLab)
- in working independently and coordination skills, e.g. documented through a relevant doctoral degree or in scientific studies with own responsibility for the development and validation of quantitative analyses
- Language skills (CEFR level): English up to C1, German up to A1 or willingness to acquire further German skills - we support you with language courses

Desirable skills and experience

- in mechanistic (macro-)economic modelling and model-based (health-)economic evaluations, e.g. (partial) equilibrium models, Input-Output models, Computable General Equilibrium (CGE) or integrated epidemiological-economic SIR-models
- in aspects of social contact patterns and behavioral game theory



- in interdisciplinary collaborations, e.g. with healthcare services research or in epidemiology
- in authoring publications for international scientific journals

Personal skills

- systematic-analytical thinking skills and the ability to switch between detail and meta-level
- Organizational skills with a well-structured approach to work and an overview of one's own tasks
- Communication skills and helpful, friendly and appreciative behavior towards others
- Able to cooperate and work in a team and to develop solutions together with other team members

Benefits

- 30 working days holiday and paid days off on Christmas Eve and New Year's Eve
- Up to 50 % remote working possible
- Subsidised pension scheme and offer for capital-forming benefits incl. subsidy in accordance with the public service scheme
- Transparent payment in accordance with the collective agreement incl. annual special payment and regular pay increases
- Flexible working hours with flexitime and part-time working options
- Opportunities for individual further training and a broad training catalogue for personal development
- Sports activities such as yoga, running events, cooperation with fitness studios, and much more
- Parent-child offices in all properties for emergency care
- Deutschlandticket-Job (national local public transport ticket) with subsidy

Have we sparked your interest?

We look forward to receiving your application documents exclusively via interamt.de to the job ID 1250529

We are committed to equal opportunities in employment. We guarantee equality in the workplace by welcoming all people in all dimensions of diversity. With equal qualifications and aptitude, severely disabled persons are given preferential consideration. Within the scope of its supervisory powers, the Federal Ministry of Health may examine application documents on a case-by-case basis. Your data will be deleted after the application process has been completed.

Not the right job for you? Find more job opportunities here: jobs.rki.de.