

Job Announcement No. 64/2020

The Department of Epidemiology (Head: Professor Dr. med. Gérard Krause) at the Helmholtz Centre for Infection Research (HZI) in Braunschweig is looking, **at the earliest opportunity**, for a

Research Fellow (100%) (all genders)

The position is to be filled for the various **epidemiological research and development activities in response to the COVID-19 pandemic**. This includes

- Design and implementation of several epidemiological studies
- Further development and implementation of the Surveillance, Outbreak Response Management and Analysis System (www.SORMAS.org, www.sormas-oegd.de/)
- Design, implementation and analysis of serological surveys
- Performance of evidence synthesis and
- Various developments and implementation of other digital health tools (e.g. PIA: www.info-pia.de).

The Department of Epidemiology at the HZI consists of more than 40 employees. We investigate the interrelationships between the occurrence, spread and prevention of infectious diseases in the human population - in Germany and internationally. We work in the field of immunology and infection within the German national Cohort (www.nako.de) and operate the NAKO Study Centre in Hannover. Within the German Centre for Infection Research (www.dzif.de) we are active as "Translational Infrastructure Epidemiology". Together with the Hannover Medical School we run the structured "PhD Programme Epidemiology" (www.helmholtz-hzi.de/phdepi). At present, we are looking in particular for employees for activities within the framework of research on COVID-19.

Employment requirements for the classification according to **TVöD E13** are

- University degree or master's degree in health sciences, natural sciences, medicine, epidemiology, computer science, mathematics, engineering or comparable
- Independence, distinct organizational talent and motivation
- Very good knowledge of the English language
- Demonstrable knowledge/experience in at least two of the following topics, which are carried out under supervision in the department Data management, data science, machine learning/artificial intelligence, conducting epidemiological or clinical studies and implementation of digital health projects, statistical and epidemiological evaluation of studies, evidence synthesis including meta-analyses and meta-regressions even of large data sets, modelling

Remuneration according to **TVöD E14** is possible if the following additional qualifications are available or if tasks in the department can be carried out with responsibility for content

- A doctorate or at least six years of professional experience in a related field
- Ability to coordinate and to work in an international team
- Responsible for the content of research projects from conception to publication
- Supervision of employees of the department
- Teaching in the PhD program "Epidemiology"
- Verifiable knowledge/experience in at least two of the following topics, which are carried out independently in the department: Data management, data science, machine learning/artificial intelligence, conducting epidemiological or clinical studies and implementation of digital health projects, statistical and epidemiological evaluation of studies, evidence synthesis including meta-analyses and metaregressions even of large data sets, modelling

The following **achievements/knowledge/experience** would be of advantage

- Practical experience in the clinical care of patients with infections, in public health, surveillance and outbreak investigations
- Qualification in the field of infection epidemiology (e.g. EPIET, EIS, PAE, MSc, MPH)
- Knowledge and experience in computer science, software development and eHealth
- Experience in the design and conduct of epidemiological studies including data protection and ethics
- Experience with the exploration of data and its subsequent modelling
- Experience of scientific programming languages such as R, Python or Java
- Experience with text mining analysis
- Willingness and ability to undertake planned, short and non-European business travels (approx. 2-6/year)
- Publication experience
- Experience in raising third-party funds
- Experience in the coordination of multicultural teams
- Work experience in Africa, Asia or Latin America
- Very good knowledge of German and other foreign languages, especially French

Your tasks with us include (depending on the position to be filled and your qualifications)

- Scientific project coordination and implementation of (sero-)epidemiological studies and eHealth projects
- Analysis of processes in the context of epidemiological surveillance and outbreak control and transfer of the processes into specifications for software development and testing of functions
- Analysis of processes within the scope of epidemiological studies and transfer into specifications for software development as well as testing of new functions
- Content design of software development of eHealth tools (SORMAS, PIA)
- Quantitative analysis of epidemiological data using machine learning methods
- Design, development and implementation of training courses on the use of eHealth tools
- Conception, implementation and evaluation of epidemiological studies, modelling, meta-analyses and systematic reviews, e.g. in the context of COVID-19
- Personal scientific analyses and publications as well as scientific supervision of international doctoral students
- Preparation of applications for third-party funding and project reports

We offer you:

- Personal contribution to the fight against epidemics in a global and national context
- Diverse further education opportunities (on-site participation in seminars of the PhD study programme "Epidemiology"), possibility to do a doctorate and habilitation
- For medical staff Recognition within the framework of specialist training in hygiene and environmental medicine
- Working in an established team of motivated experts from various disciplines
- Possibility for interesting business trips
- Family-friendly employer with holiday care services, flexible working hours and the possibility to work from home

Qualified applicants with a severe disability will be given preference. Equal opportunities are part of our personnel policy – qualified women are especially invited to apply. Part-time work is possible.

Starting date:	At the earliest opportunity, depending on successful grant application, initially limited until 31.12.2021 with the possibility of an extension
Probation period:	6 months
Remuneration:	E13 TVöD with appropriate qualification E14 TVöD with appropriate qualification
Published:	12.06.2020
Closing date:	01.07.2020
Expected date for interviews:	07.07.2020

Please address informal inquiries concerning the job to: Prof. Dr. Gérard Krause: Tel. +49 (0) 531 6181-3100, email: Gerard.Krause@helmholtz-hzi.de. Further information on the institute and the department are found on our website (www.helmholtz-hzi.de/epidemiologie and www.sormas.org).

The application documents should include a complete curriculum vitae with list of publications, a cover letter explaining the motivation to apply for the position, a short summary of research activities and the contact details of at least two referees.

We are looking forward to your complete application documents in one single pdf document, which you please send **until the 01.07.2020** stating the **reference number 64/2020** by email to JobsHZI@helmholtz-hzi.de or to Helmholtz-Center for Infection Research GmbH, HR-Department, Inhoffenstraße 7, 38124 Braunschweig, Germany.

Please confirm, that you have read and understood our privacy policy and that you agree to the processing of your personal data (text module, see [privacy policy](#)) when you send us your application documents. Without these declarations we cannot consider or further process your application and will delete already received documents at the end of the application period.