



Doctoral Student / Postdoc in epidemiological modelling (m/f/d)

wanted from **February 2024** at the **Department of Infectious Diseases and Tropical Medicine**.

Who we are: The Department of Infectious Disease and Tropical Medicine at Heidelberg University Hospital has a clinical and research mandate. We are embedded in a university campus with a strong interdisciplinary health research focus (incl. the Heidelberg Institute for Global Health). We are a diverse and interdisciplinary team of people from around the globe, all passionate about Global Health, trying to make a difference for people living in limited resources settings and get them to the right therapy (For further info on the team and research: www.denkglobaldx.org).

We need your expertise, passion and drive to support the team. The position is limited to 3 years. Follow-on appointments will be possible depending on further acquisition of project funds. The position will be based in Heidelberg, Germany; partial remote work will be possible.

Job-ID: V000012042

Field of application: Sektion Infektions- und Tropenmedizin

Location: Heidelberg

Start date: February 2024

Job Category: Science and teaching

Working hours: full-time (100%)

Published: 13.11.2023

Limitation: Temporary (36 months - extension is sought)

Contract:TV-L

Your Tasks

You will be part of an interdisciplinary research team and work on projects primarily focusing on population-level impact, cost and budget-related implications of prevention, diagnostic and care interventions of respiratory diseases relevant for Global Health, with a special focus on tuberculosis (TB). Projects are conducted in collaboration and engagement with international partners (e.g. in South Africa) and international organizations (e.g. FIND, Geneva; WHO, Geneva; and/or Bill & Melinda Gates Foundation, Seattle). The projects offer exciting opportunities for learning and career development. The specific activities will include (but not be limited to):

- Contributing to the development of transmission-dynamic models of TB and other diseases
- Model-based simulation of the implementation and scale up of interventions for prevention, diagnosis and care, and related impact and health-economic analysis
- Engagement with project collaborators, stakeholders and international organizations

- Writing of manuscripts for publication and preparing scientific/project presentations (incl. travel for presentations)
- Supporting/leading grant development activities

Your Profile

- PhD or minimum MSc (with at least 2 years of research experience) in epidemiology, (bio-) mathematics, public health, or a related field
- Strong quantitative research background with experience and skills in data analysis and modelling, coding in R or similar applications
- Experience in mathematical modelling of infectious diseases; additional experience in health-economic analysis would be an asset.
- Strong scientific background and clear understanding of infectious diseases and related public health challenges
- Ability to work independently and on a result-oriented basis. Willingness to expand knowledge base and take on new topics. Effective communication.

What we offer

- Possibility of mobile working and flexible working hours within the framework of flexitime
- Possibility of doctorate
- Possibility to publish scientifically is offered and supported
- Regular team meetings and Interdisciplinary cooperation
- Possibility to take over project responsibility
- Collectively agreed remuneration, attractive company pension scheme (VBL)
- 30 days vacation
- Sustainable travel: job ticket
- Family-friendly working environment: cooperative arrangements for childcare, subsidy for child vacation care, advice for employees with relatives in need of care
- Wide range of health, prevention and sports offers

Contact & Application

For further information please contact Sabine Viebrock via e-mail.

Interested?

Applications will be accepted until 31.12.2023 via e-mail. Please send a motivation letter and CV with subject:

Modelling application.

Sektion Infektions- und Tropenmedizin
Sabine Viebrock, Project manager

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Please note that the UKHD is subject to the provisions of the Infection Protection Act. Therefore, valid proof of measles immunity is required for all persons employed at the UKHD.

We stand for equal opportunities. Severely disabled persons are given priority in the case of equal suitability. The University Hospital aims to generally increase the proportion of women in all areas and positions in which women are underrepresented. Qualified women are therefore particularly encouraged to apply. Full-time positions are generally divisible, unless there are official or legal reasons to the contrary.

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