



UNIVERSITÄTS  
KLINIKUM  
HEIDELBERG

# Epidemiologist / Data Scientist (m/f/d)

wanted from June 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, focusing on applying various methods with the goal to develop, validate and implement novel diagnostic tests that reach people and get them to the right therapy (For further info on the team and research: [www.denkglobaldx.org](http://www.denkglobaldx.org)).

**We need** your expertise, passion and drive to support the team. The position is limited to 3 years with the intention to make it longer term. The position will be based in Heidelberg, Germany; partial remote work will be possible.

**Job-ID:** V000012675

**Einsatzgebiet:** Infektions- und Tropenmedizin

**Einsatzort:** Heidelberg

**Startdatum:** June 2024

**Tätigkeitsbereich:** Wissenschaft und Lehre

**Anstellungsart:** Vollzeit (100 %)

**Veröffentlicht:** 16.04.2024

**Befristung:** Befristet (36 months - extension is sought)

**Vertrag:** TV-L

## Your Tasks

**Responsibilities:** As an Epidemiologist/ Data scientist, you will contribute to several ongoing projects in the team which require advanced data analysis. You will also be expected to lead methodologically on projects that focus on data analysis to develop new diagnostic prediction tools. There will be opportunities to develop your own ideas on projects and apply for funding.

Job responsibilities will include:

- Analyzing large data sets and developing prediction tools based on traditional structured database tools and “big data” approaches with a special focus on Bayesian analysis
- Designing, conducting, and interpreting statistical analysis, including analysis of cohort, cross-sectional and clinical studies
- Engaging with project collaborators, stakeholders and international organizations (incl. WHO) in large international projects

- Writing of manuscripts for publication and preparing scientific/project presentations (incl. travel for presentations)
- Supporting/ leading grant development activities
- Support/ supervision of junior researchers in designing and performing data analysis

## Your Profile

- Master or PhD degree in (Bio-)Statistics, Mathematics, Computer Science, Epidemiology, or a related field
- Minimum 2 years of experience in data analyses using frequentist and Bayesian approaches. Experience in handling large data sets. Experience in machine learning techniques would be an asset
- Knowledge of infectious diseases. Knowledge of diagnostics research would be an asset
- Proficiency in coding and analysis using R, SAS, python, STATA or similar applications; ability to provide custom-designed reports and presentations of data
- Ability to work independently and on a result-oriented basis. Willingness to expand knowledge base and take on new topics. Effective communication.

## We offer

- Possibility of mobile working
- Flexible working hours within the framework of flexitime
- Possibility of doctorate
- 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

## Kontakt & Bewerbung

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

### Interested?

Applications will be accepted until 02.05.2024 via **e-mail**.

Please send a motivation letter and CV with Subject: Epidemiologist

Infektions- und Tropenmedizin  
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Hinweis: Das UKHD unterliegt den Bestimmungen des Infektionsschutzgesetzes. Daher ist für alle am UKHD beschäftigten Personen ein gültiger Masern-Immunitätsnachweis notwendig.

Das UKHD lebt Vielfalt und schätzt die Diversität.

Unabhängig von Alter, Geschlecht, sexueller Identität, Behinderung, Herkunft oder Religion bieten wir allen die gleichen Chancen. Wenn ein Geschlecht in einem bestimmten Bereich unterrepräsentiert ist, legen wir besonderen Wert darauf, diesem Ungleichgewicht entgegenzuwirken. Bei gleicher Eignung, Befähigung und fachlicher Leistung geben wir Menschen mit Schwerbehinderung Vorrang bei der Berücksichtigung für offene Stellen.

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