Doctoral student for the Heidelberg Institute of Global Health (m/f/d)

full- or parttime

at the earliest possible date searched for, the **Heidelberg Institute of Global Health** (HIGH).

The position is limited to 3 years, with the possibility of an extension.

The Institute of Global Health at Heidelberg University, Germany's oldest university and a leading hub for health-related research in Europe, is looking for an outstanding PhD student. The researcher will work under the mentorship of Dr. Pascal Geldsetzer and receive a designation as visiting researcher at the Stanford University School of Medicine.

Job-ID: P0025V518
Field of application: Heidelberg Institute of Global Health
Location: Heidelberg
Job Category: Science and teaching
Working hours: full-time (100%)
Published: 14.06.2022
Limitation: Temporary
Contract: TV-L

Tasks and responsibilities

The PhD student will work under the guidance of Dr. Pascal Geldsetzer and other researchers at both Heidelberg University and Stanford University, including both population health researchers and computer scientists. The researcher will help with expanding the group's dataset for analysis, as well as building and evaluating convolutional neural networks. The broad aim of this research is to test whether satellite imagery along with other geo-referenced publicly available data (e.g., data from OpenStreetMaps, climate and weather variables, and infrastructure-related variables) could be used to monitor important health indicators in low- and middle-income countries at a highly granular geographic and temporal level. In addition to this

core project, the research group works on a wide variety of research, with foci being medication effectiveness, health services research, and population health issues. The PhD student will be expected to publish in high-impact peer-reviewed journals.

The salary is paid according to the German TV-L system (the salary agreement for public service employees). As an equal opportunity employer, the HUK is committed to increase the percentage of female scientists and, therefore, especially encourages female researchers to apply. Equally qualified applicants with disabilities will be given preference. Candidates from any nationality can apply.

We are open to discussing options for part-time work or working remotely.

Prerequisites

- Masters degree with training or experience in machine learning (ideally as applied to computer vision tasks). We will also consider those with a Bachelors degree only if they have relevant training and/or experience. A degree in a health-related subject is not required to apply.
- Strong coding skills in Python, or other statistical software
- Good communication skills in English (knowledge of German is not necessary)

We offer

- Target-oriented individual further education and training opportunities
- Targeted training on the job
- Ticket for public transport
- Possibility of child care (crèche and kindergarten) as well as subsidy for holiday care for school children
- Active health promotion
- Company pension scheme
- Access to the university library and other university facilities (e.g. university sports)

Contact & Application

Please apply by sending a CV to Pascal Geldsetzer at **pascal.geldsetzer@uni-heidelberg.de**. A cover letter is not required. There is no specific deadline for the application – we hire on an ongoing basis.

Interested?

Applications will be accepted via e-mail.

Stellenanzeige: Doctoral student for the Heidelberg Institute of Global Health (m/f/d) | Universitätsklinikum Heidelberg

30.07.22, 19:04

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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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